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2017-2018 Catalog
**GENERAL INFORMATION**

The provisions of this catalog describe programs and policies of the College of Arts and Sciences, the Erivan K. Haub School of Business and Professional and Liberal Studies and the Haub Degree Completion Program within Saint Joseph’s University as of time of publication. They are regarded as an irrevocable contract between the student and the University. The University reserves the right to change any provision or requirement at any time.

Saint Joseph’s University, a private liberal arts institution for men and women, founded by members of the Society of Jesus in 1851 and chartered by the Commonwealth of Pennsylvania in the following year, has been conducted ever since by the Jesuits as a Catholic educational institution in the Ignatian tradition.

Saint Joseph’s was recognized as a university by the Secretary of Education of the State of Pennsylvania on July 24, 1978. The corporate charter was formally changed to reflect university status on December 27, 1978.

**Location**

Situated on the western boundary of Philadelphia, Saint Joseph’s one hundred and fourteen acre campus combines accessibility to the city with the proximity to the Main Line. In this urban-suburban environment, students share in the educational, cultural, and entertainment resources of a great metropolitan area. Students, faculty and staff alike enjoy the Philadelphia Orchestra, the Pennsylvania Ballet, the Philadelphia Museum of Art, the Barnes Foundation, the Pennsylvania Academy of Fine Arts, the Franklin Institute, the University Museum, the Free Library, theatre, world class dining and major league baseball, football, basketball, and hockey. The city itself is at once a museum of American history and culture and a laboratory for contemporary economics, sociology, politics and religion.

**History**

On the morning of September 15, 1851, some thirty young men gathered in the courtyard outside Saint Joseph's Church, located in Willing's Alley off Walnut and Fourth Streets and one block from Independence Hall. After attending High Mass and reciting the Veni Creator in the church, these young men were assigned to their classes in a building adjacent to the church. That September morning marked the beginning of a rich and exciting history for Saint Joseph’s University.

As far back as 1741, a Jesuit College in Philadelphia had been proposed and planned by Rev. Joseph Greaton, S.J., the first resident pastor of Saint Joseph’s Church. The suppression of the Jesuits (1773-1814) and lack of human and financial resources delayed for over a hundred years the realization of Fr. Greaton’s plans for a college. Credit for founding the college is given to Rev. Felix Barbelin, S.J., who served as its first president. He, along with four other Jesuits, formed the first faculty of Saint Joseph’s College. Before the end of the first academic year, the enrollment rose from fewer than forty to ninety-seven students. In the following year (1852), when the college received its charter of incorporation from the Commonwealth of Pennsylvania, the enrollment grew to 126 students.

In January, 1856, Saint Joseph’s College moved to a more spacious site on the fashionable Filbert Street. Due to financial difficulties and the serious illness of the college’s second president, the college returned to its Willing’s Alley location in 1860. Shortly thereafter, the civil strife between the North and South became the first of many wars that would greatly diminish the college’s enrollment. Through the Civil War and post-bellum years, Saint Joseph’s College struggled to remain in existence.

With the purchase in 1866 of a city block between Seventeenth and Eighteenth Streets fronting on Stiles Street as a new site for the college, its future began to look brighter. Rev. Burchard Viliger, S.J., one of the original members of the college faculty, became its president in 1866. It was during his tenure that new college buildings, made possible largely through a generous bequest from the estate of Francis Anthony Drexel, were constructed on the Stiles Street location.

A sporadic but continuing growth, both in student enrollment and academic excellence, is recorded for the new life of Saint Joseph’s College from September 2, 1889, when the college moved from Willing’s Alley to Stiles street, until 1927, when a still larger campus was judged necessary.

In November 1922, an ambitious building fund campaign to raise $1,000,000 was organized by Rev. Matthew Fortier, S.J. His work in this difficult undertaking was successful and the pledges did exceed that goal, but the actual contributions did not. Subsequently, Saint Joseph’s College was able to purchase twenty-three acres in a beautiful residential area at the western edge of the city. Construction of a handsome building in modern Collegiate Gothic architectural style was begun in November 1925. Its dedication took place on November 14, 1927. From that time to the present, the location of Saint Joseph’s has been 54th and City Avenue.

During the Second World War, the college’s enrollment was again greatly reduced. Following the war, aided by the “G.I. Bill of Rights,” enrollment grew rapidly. In 1943, an Evening College was founded. It was also after the war that Saint Joseph’s acquired several spacious homes adjacent to the campus, which were converted to its first residences for students.

Through the decade of the sixties, Saint Joseph’s experienced unprecedented physical growth. Five more properties were added to the campus including the nine-acre estate of Margaret Gest, a Jesuit faculty residence, the Post classroom building, a science center, the Drexel Library building, a six-story student dormitory and expansion of the Student Center. All enhanced the modern facilities of the campus.

In the fall of 1970, the undergraduate day college opened its doors to women, bringing to an end its tradition as an all-male institution. Saint Joseph’s was recognized as a university by the Secretary of Education of the Commonwealth of Pennsylvania on July 24, 1978. The corporate charter was formally changed to reflect university status on December 27, 1978. Shortly thereafter the University added a College of Business and Administration to complement the College of Arts and Sciences, and it also expanded graduate programs. At the same time, Saint Joseph’s built a new Student/Sports Recreation Complex. The need for a larger library prompted the expansion of the University’s Drexel Library into a Library/Learning Resources Center. The campus was enlarged to 49 acres with the purchase of Saint Mary’s and Bronstein halls.

The last decade has marked an era of significant change in student enrollment; development of new undergraduate and graduate programs in all three colleges; integration of state-of-the-art technology of every kind, in the classroom and throughout the campus; upgrading of science laboratories; hiring of new faculty; and new campus construction.

Among the most important building projects undertaken are the following:

- the Chapel of St. Joseph;
• the McShain Student Residence and its footbridge traversing City Avenue and linking the city and suburban campuses;
• Mandeville Hall, home of the Erivan K. Haub School of Business;
• three large new student residence halls and a parking garage;
• and a new boathouse on Philadelphia’s famed Kelly Drive.

In the summer of 2005, the University agreed to purchase the Merion campus of neighboring Episcopal Academy. The acquisition added 38 acres containing 52 classrooms, eight laboratories, 113 offices, and 14.5 acres of playing fields. Subsequent to the announcement of the agreement, alumnus James J. Maguire ’58 donated $10 million to help fund the purchase, and this section of the university is known as the Maguire Campus. Maguire’s gift was later matched by a donation of the same amount by Brian Duperreault ’69; the two donations are the largest alumni gifts in Saint Joseph’s history.

External and peer review are also indicators of institutional progress and the awarding of a Phi Beta Kappa chapter to the university and AACSB accreditation in both business and accounting for the Haub School of Business augur well for the future of Saint Joseph’s.

**Mission Statement**

As Philadelphia’s Jesuit Catholic University, Saint Joseph’s University provides a rigorous, student-centered education rooted in the liberal arts. We prepare students for personal excellence, professional success, and engaged citizenship. Striving to be an inclusive and diverse community that educates and cares for the whole person, we encourage and model lifelong commitment to thinking critically, making ethical decisions, pursuing social justice, and finding God in all things.

**Colleges and Schools**

The University is organized as follows:

- **The College of Arts and Sciences**, which offers the traditional undergraduate programs leading to the degrees of Bachelor of Arts or Bachelor of Science, a flexibly-structured program in Professional and Liberal Studies in the Arts and Sciences leading to bachelor and associate degrees, and graduate programs leading to the degrees of Master of Arts, Master of Science and Doctor of Education.

- **The Erivan K. Haub School of Business**, which offers traditional undergraduate programs leading to the degree of Bachelor of Science in Business Administration, a flexibly-structured Haub Degree Completion program leading to a bachelor degree or associate degree, and graduate programs leading to the degrees Master of Business Administration and Master of Science.

**Accreditations, Approvals, and Memberships**

Saint Joseph’s University is approved by the Commonwealth of Pennsylvania Department of Education. It is accredited by the Middle States Commission on Higher Education:

- Middle States Commission on Higher Education
  - 3624 Market Street
  - Philadelphia, PA 19104
  - 267-284-5000

The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation. The Haub School of Business and its Accounting program are accredited by the AACSB—The Association to Advance Collegiate Schools of Business. The Chemistry Department is on the approved list of the American Chemical Society. The Teacher Education program was granted Program Approved Status by the Pennsylvania Department of Education and is recognized by the New Jersey Department of Education for issuance of certificates.

The University is also a member of the American Council on Education, the Association of Jesuit Colleges and Universities, the National Catholic Educational Association, the National Association of Independent Colleges and Universities, the Pennsylvania Association of Colleges and Universities, the American Library Association, the Association of Liberal Arts Colleges of Pennsylvania for the Advancement of Teaching, the American Association of Colleges for Teacher Education, and the Middle Atlantic Association of Colleges of Business Administration. The Haub School of Business is also a member of Beta Gamma Sigma, the honor society of business programs accredited by AACSB International.

**Student Disability Services**

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, the Office of Student Disability Services coordinates support services and recommends reasonable academic adjustments based on appropriate documentation and the needs of the student. The Office is responsible for promoting access to facilities and programs, ensuring equal educational opportunities, acting as an information and referral source, and serving as a liaison between faculty and student.

The office of Student Disability Services is located in:

- Bellarmine G10
- 610-660-1339
- TTY 610-660-1620
- sds@sju.edu

Visit the website: sju.edu/sds

**Veterans Services**

The SJU Office of Veterans Services is dedicated to serving the unique needs of our veterans, spouses and dependents. We are a nationally recognized “veteran friendly” university, as well as a full participant in the Post-9/11 GI Bill and Yellow Ribbon programs. Our mission is to create a welcoming environment for veterans and their families, and to ensure veterans gain access to all eligible federal, state and local programs and services. We are located in Mandeville Hall, Suite 206. Additional information is available on our website at www.sju.edu/veterans.

**Non-Discrimination Policy**

In compliance with applicable law and its own policy, Saint Joseph’s University is committed to recruiting and retaining a diverse student and employee population and does not discriminate in its admission of students, hiring of employees, or in the provision of its employment benefits to its employees and its educational programs, activities, benefits and services to its students, including but not limited to scholarship and loan programs, on the basis of race, color, religion, national origin, age, sex/gender, marital status, ancestry, sexual orientation, medical condition, physical or mental disability, veteran status or any other basis prohibited by applicable law.

Questions or concerns regarding the University’s equal opportunity policies and programs should be directed to the University’s Affirmative Action/Equal Opportunity Officer, (610) 660-3336.

As provided by the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act of 1998, Saint Joseph's University through its Department of Public Safety, annually provides notice and makes available copies of the Annual Security Report, to the campus community, prospective students, employees and the public. Each Security Report includes statistics for the past three years concerning crimes and incidents (whether they occurred on campus, in off-campus building and property owned or controlled by the University, or on public property adjacent to campus) reported to campus security authorities. Each Security Report also provides campus policies and practices concerning security – how to report sexual assaults and other crimes, crime prevention efforts, policies/laws governing alcohol and drugs, victims’ assistance programs, student discipline, university resources, and other matters. The Security Report, which also includes information about the Department of Public Safety and Security, is publicly available electronically or by hard copy in the following ways:

- electronically: https://www.sju.edu/int/resources/security/annualreport.html
- or by telephone request to the Department at 610-660-1111
- or stopping by the Department’s Office on campus.

In addition, as provided by the Campus Sex Crimes Prevention Act, the Philadelphia and Lower Merion Sheriffs’ Offices maintain a Megan’s Law database of sex crime offenders: http://www.pameganslaw.state.pa.us/

Confidentiality of Student Records

The University’s policy with respect to the confidentiality of and access to student records is in conformity with the relevant state and federal regulations.

The Family Right and Privacy Act of 1974 grants eligible students the right to inspect and review certain education records, and safeguards the student against improper or unauthorized disclosure of such education records or personally identifiable information contained therein.

A detailed statement of Saint Joseph’s policy, including a description of education records kept and the administrative officers responsible for them, a procedure for initiating inspection and review, and a procedure for challenging information in such records, is available from the Registrar’s Office.

Complaints with respect to this policy or its administration may be registered with:

Family Policy Compliance Office
United States Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Student Life

Committed to our Catholic Jesuit tradition and guided by our Ignatian values, we empower our students to create a supportive and transformative educational experience. We provide challenging opportunities for the holistic development of students so that they may become servant leaders who discern goals, focus on social justice, appreciate diversity and lead lives of faith and purpose. http://www.sju.edu/studentlife

Undergraduate Level Grades

The following system of grades, with their grade point equivalent in parenthesis, is used in all courses offered by the University:

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<tr>
<td>A</td>
<td>4.0</td>
<td>Excellent performance in all or most aspects of the course</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td>Excellent performance in many aspects of the course</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>Very good performance in all or most aspects of the course</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>Good performance in all or most aspects of the course</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>Good performance in many aspects of the course</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>Acceptable performance; more than adequate performance in some aspects of the course</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>Acceptable performance in all or most aspects of the course</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td>While acceptable overall, course performance is inadequate in one or more areas</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
<td>While acceptable, course performance is inadequate in several areas</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
<td>Meets minimal performance standards required for passing</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>Failure; overall performance has not met the basic standards of the course</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td>No grade points. Credit. The grade P carries credit but is not included in the calculation of the grade point average.</td>
</tr>
<tr>
<td>NP</td>
<td>No Penalty</td>
<td>No grade points. No credit. The non-passing grade NP carries no credit and does not affect the calculation of the grade point average.</td>
</tr>
<tr>
<td>Grade</td>
<td>Description</td>
<td>Details</td>
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<td>-------</td>
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</tr>
<tr>
<td>NG</td>
<td>No Grade</td>
<td>A grade that is only used by the University Registrar to indicate that no grade has been submitted by the instructor. Just as with an I or incomplete grade, this grade will automatically turn to an F grade, if it is not resolved within four weeks from the last day of the final examination period for the semester in question.</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
<td>A temporary grade assigned to all students of a given course that extends meeting requirements beyond the grading period for a traditional semester. Other grades on the scale will be assigned by the appropriate faculty member at the conclusion of the given course or within 180 days from the initial issuance of the IP grade. At that point, the University Registrar is instructed to change all outstanding IP grades to F. Extensions may only be granted by the Dean of the college through which the course is offered.</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The image is not clear enough to transcribe accurately. It appears to contain a table with grades and descriptions, but the details are not readable.
Administrative Withdrawal

equivalent to W; given by the Dean of the college to which the student belongs in consultation with the University Registrar or with the Vice-President/Associate Provost of Student Life in selected involuntary cases, or both, following consideration of exceptional situations where a standard withdrawal from all courses is or was not possible. Students who must withdraw from the university after the end of the last day to withdraw should consult with their academic advisors for appropriate procedures, justification, and documentation to request an administrative withdrawal. Further, Administrative withdrawals are approved only in circumstances with sufficient documentation of impacted academic performance because of medical illness, death or critical illness of an immediate family member, or military service, or when it is deemed that the University can no longer provide education services to a given student (involuntary withdrawal). Administrative withdrawal petitions based upon extraordinary circumstances are only considered for all courses in a semester (not selected courses) and are only considered for courses in the calendar year immediately preceding the date of the petition. Petitions for withdrawal from a second successive semester based on the same circumstances will not be approved.

Incomplete

A temporary grade which may be assigned when a student has permission of the instructor to complete requirements within a short time after the end of the course. (This grade is not used when a student’s work is qualitatively deficient.) The I grade must normally be resolved within four weeks of the last day of the final examination period for the semester in question. I grades may not appear on a final record. At the end of the stated period unresolved incomplete grades become Failures. Extensions may be granted only by the Dean of the appropriate college.

Audit

No grade points. No credit.

Graduate Level Grades

The following system of grades, with their grade point equivalent in parenthesis, is used in all courses offered by the University:

A 4.0 Distinguished; exceptional performance in all aspects of the course

A- 3.7 Exceptional performance, but somewhat less than that rated as A

B+ 3.3 Very good; meritorious work; exceptional performance in several aspects of the course; notably above average expected of students
<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Point</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>3.0</td>
<td>Good; sound performance in all aspects of a course; completely fulfilling and satisfying the requirements of the course</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>Good performance in many aspects of the course</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>Acceptable performance; more than adequate performance in some aspects of the course</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
<td>Passing; marginal work, acceptable, sound performance in some aspects of the course, but below the level of expected competence in other areas</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
<td>Failure; not evidencing significant grasp of subject matter or techniques; failure remains on record even if course is repeated and the original grade still affects the cumulative average. No grade points. No credit. Failure remains on record and as part of GPA even if course is repeated</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td>No grade points. Credit. The grade P carries credit but is not included in the calculation of the grade point average.</td>
</tr>
<tr>
<td>NP</td>
<td>No Penalty</td>
<td>No grade points. No credit. The non-passing grade NP carries no credit and does not affect the calculation of the grade point average.</td>
</tr>
<tr>
<td>NG</td>
<td>No Grade</td>
<td>A grade that is only used by the University Registrar to indicate that no grade has been submitted by the instructor. Just as with an I or incomplete grade, this grade will automatically turn to an F grade, if it is not resolved within four weeks from the last day of the final examination period for the semester in question.</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
<td>A temporary grade assigned to all students of a given course that extends meeting requirements beyond the grading period for a traditional semester. Other grades on the scale will be assigned by the appropriate faculty member at the conclusion of the given course or within 180 days from the initial issuance of the IP grade. At that point, the University Registrar is instructed to change all outstanding IP grades to F. Extensions may only be granted by the Dean of the college through which the course is offered.</td>
</tr>
<tr>
<td>W</td>
<td>W</td>
<td>Withdrawal</td>
</tr>
</tbody>
</table>
**General Information**

**Administrative Withdrawal**

Equivalent to W, given by the Dean of the college to which the student belongs in consultation with the University Registrar or with the Vice-President/Associate Provost of Student Life in selected involuntary cases, or both, following consideration of exceptional situations where a standard withdrawal from all courses is or was not possible. Students who must withdraw from the university after the end of the last day to withdraw should consult with their academic advisors for appropriate procedures, justification, and documentation to request an administrative withdrawal. Further, Administrative withdrawals are approved only in circumstances with sufficient documentation of impacted academic performance because of medical illness, death or critical illness of an immediate family member, or military service, or when it is deemed that the University can no longer provide education services to a given student (involuntary withdrawal). Administrative withdrawal petitions based upon extraordinary circumstances are only considered for all courses in a semester (not selected courses) and are only considered for courses in the calendar year immediately preceding the date of the petition. Petitions for withdrawal from a second successive semester based on the same circumstances will not be approved.

**Incomplete**

A temporary grade which may be assigned when a student has permission of the instructor to complete requirements within a short time after the end of the course. (This grade is not used when a student’s work is qualitatively deficient.) The I grade must normally be resolved within four weeks of the last day of the final examination period for the semester in question. I grades may not appear on a final record. At the end of the stated period unresolved incomplete grades become Failures. Extensions may be granted only by the Dean of the appropriate college.

**Audit**

Audit; see Audit Students

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**Pass/No Penalty**

Certain courses, particularly those requiring completion of a specified assignment or attainment of a specified level of skill, may be designated as Pass/No Penalty courses. The grading basis must be established and publicized no later than the beginning of the registration period and must apply to all students in the course. All such courses require the approval of the relevant department chair and the appropriate Dean.

**Pass/No Penalty Course Grade Option (Undergraduate Level)**

In order to encourage students to challenge their interests and limitations in areas outside their chosen field of study, the University has a Pass/No Penalty grade option for students. This provision allows students the ability to select certain courses in which they are registered to be taken on a Pass/No Penalty basis for grading. When a student opts for this basis in accord with established stipulations, the final grade will result in no effect on the student’s grade point average (GPA). However, credits earned will be awarded if a passing grade is attained. Also, a standard passing grade submitted by an instructor for such students will be converted to the grade of P on the student’s transcript and a failing grade will be converted to NP by the Registrar’s Office upon review of the
final grades for the course in question. The description of these grades and their meaning and usage are described in the appropriate section.

Students may opt to take a course on this basis as long as the following conditions are met:

- The course selected is a free elective, not counting in any way toward the student’s general education requirement (GER)/program (GEP), or prescribed major or minor program requirements.
- Students are only permitted to take 2 (two) such courses under this option during their career at Saint Joseph’s, and no more than 1 (one) such course in a given semester.
- The student and the course selected are on the undergraduate level and the student has attained junior or senior status at the university.

In addition to the above stipulations, students are required to submit their request to the Registrar’s Office (BL 106) by the conclusion of the add/drop period for that term. Once accepted by Registrar’s Office personnel, the student accepts responsibility for the course meeting the stated eligibility requirements. Upon submission of the request, the Pass/No Penalty option cannot be reversed. Questions regarding this option may be directed to the Registrar’s Office.

**Grade Point Average (GPA)**

The grade point average is the ratio of the total grade points (sum of products of course credits and grade points for each course) earned at Saint Joseph’s University to the total credits attempted at Saint Joseph’s University (including grades of F but excluding grades of P, NP, I, IP, NG, X, and W). Only courses taken at Saint Joseph’s after matriculation are included in this calculation, even if transfer credit has been given.

**Key to Course Codes**

The following list identifies the abbreviations used for course areas. Where the area does not coincide with the name of the department or program, the department or program name is indicated in parentheses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABA</td>
<td>Applied Behavioral Analysis</td>
</tr>
<tr>
<td>ACC</td>
<td>Accounting</td>
</tr>
<tr>
<td>ADM</td>
<td>Public Administration (Political Science)</td>
</tr>
<tr>
<td>AER</td>
<td>Aerospace Studies</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
</tr>
<tr>
<td>ASC</td>
<td>Actuarial Science (Mathematics)</td>
</tr>
<tr>
<td>ASL</td>
<td>American Sign Language (Modern and Classical Languages)</td>
</tr>
<tr>
<td>BIO</td>
<td>Biology</td>
</tr>
<tr>
<td>BUS</td>
<td>Business (Management/Marketing)</td>
</tr>
<tr>
<td>CHM</td>
<td>Chemistry</td>
</tr>
<tr>
<td>CHN</td>
<td>Chinese (Modern and Classical Languages)</td>
</tr>
<tr>
<td>CLA</td>
<td>Classics (Modern and Classical Languages)</td>
</tr>
<tr>
<td>COM</td>
<td>Communications Studies</td>
</tr>
<tr>
<td>CRJ</td>
<td>Criminal Justice (Sociology)</td>
</tr>
<tr>
<td>CSC</td>
<td>Computer Science</td>
</tr>
<tr>
<td>DSS</td>
<td>Decision and System Sciences</td>
</tr>
<tr>
<td>ECE</td>
<td>Early Childhood Education (Teacher Education)</td>
</tr>
<tr>
<td>ECN</td>
<td>Economics</td>
</tr>
<tr>
<td>EDL</td>
<td>Education Leadership</td>
</tr>
<tr>
<td>EDU</td>
<td>Education</td>
</tr>
<tr>
<td>ENG</td>
<td>English</td>
</tr>
<tr>
<td>ENV</td>
<td>Environmental Science</td>
</tr>
<tr>
<td>ESL</td>
<td>English as a Second Language (Modern and Classical Languages)</td>
</tr>
<tr>
<td>FBE</td>
<td>Family Business Entrepreneurship</td>
</tr>
<tr>
<td>FIN</td>
<td>Finance</td>
</tr>
<tr>
<td>FMK</td>
<td>Food Marketing</td>
</tr>
<tr>
<td>FPL</td>
<td>Financial Planning (Finance)</td>
</tr>
<tr>
<td>FRE</td>
<td>French (Modern and Classical Language)</td>
</tr>
<tr>
<td>GEN</td>
<td>Gender Studies</td>
</tr>
<tr>
<td>GRA</td>
<td>Nurse Anesthesia (Graduate Health Services)</td>
</tr>
<tr>
<td>GRG</td>
<td>Graduate Gerontology</td>
</tr>
<tr>
<td>GRK</td>
<td>Greek (Modern and Classical Languages)</td>
</tr>
<tr>
<td>GRM</td>
<td>German (Modern and Classical Languages)</td>
</tr>
<tr>
<td>HAD</td>
<td>Health Administration (Health Services)</td>
</tr>
<tr>
<td>HCE</td>
<td>Health Care Ethics</td>
</tr>
<tr>
<td>HED</td>
<td>Health Education (Health Services)</td>
</tr>
<tr>
<td>HIS</td>
<td>History</td>
</tr>
<tr>
<td>HON</td>
<td>Honors Program</td>
</tr>
<tr>
<td>HSV</td>
<td>Health Services</td>
</tr>
<tr>
<td>IBU</td>
<td>International Business</td>
</tr>
<tr>
<td>IHS</td>
<td>Interdisciplinary Health Services (Health Services)</td>
</tr>
<tr>
<td>INT</td>
<td>Interdisciplinary Courses</td>
</tr>
<tr>
<td>IRT</td>
<td>International Relations</td>
</tr>
<tr>
<td>IST</td>
<td>Italian Studies (Modern and Classical Languages)</td>
</tr>
<tr>
<td>ITA</td>
<td>Italian (Modern and Classical Languages)</td>
</tr>
<tr>
<td>ITS</td>
<td>Instructional Technology (Teacher Education)</td>
</tr>
<tr>
<td>JPN</td>
<td>Japanese (Modern and Classical Languages)</td>
</tr>
<tr>
<td>LAT</td>
<td>Latin (Modern and Classical Languages)</td>
</tr>
<tr>
<td>LAW</td>
<td>Legal Studies</td>
</tr>
<tr>
<td>LEO</td>
<td>Leadership, Ethics &amp; Organizational Sustainability</td>
</tr>
<tr>
<td>LIN</td>
<td>Linguistics (Modern and Classical Languages)</td>
</tr>
<tr>
<td>LRN</td>
<td>Learning Institute</td>
</tr>
<tr>
<td>LTT</td>
<td>Literature in Translation (Modern and Classical Languages)</td>
</tr>
<tr>
<td>MAT</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>MCC</td>
<td>Modern and Classical Cultures (Modern and Classical Languages)</td>
</tr>
<tr>
<td>MED</td>
<td>Mathematics Education (Mathematics)</td>
</tr>
<tr>
<td>MGT</td>
<td>Management</td>
</tr>
<tr>
<td>MHC</td>
<td>Managing Human Capital</td>
</tr>
<tr>
<td>MKT</td>
<td>Marketing</td>
</tr>
<tr>
<td>MPE</td>
<td>Pharmaceutical Marketing (Executive Program)</td>
</tr>
<tr>
<td>MTF</td>
<td>Music, Theatre, &amp; Film</td>
</tr>
<tr>
<td>ODL</td>
<td>Organization Development &amp; Leadership</td>
</tr>
<tr>
<td>PHL</td>
<td>Philosophy</td>
</tr>
<tr>
<td>PHY</td>
<td>Physics</td>
</tr>
<tr>
<td>PMK</td>
<td>Pharmaceutical Marketing</td>
</tr>
<tr>
<td>POL</td>
<td>Political Science</td>
</tr>
<tr>
<td>PSE</td>
<td>Public Safety &amp; Environmental Protection</td>
</tr>
<tr>
<td>PSY</td>
<td>Psychology</td>
</tr>
<tr>
<td>PUR</td>
<td>Purchasing/Acquisitions (Economics)</td>
</tr>
<tr>
<td>PWS</td>
<td>Professional Writing and Speaking</td>
</tr>
<tr>
<td>REF</td>
<td>Real Estate Finance</td>
</tr>
<tr>
<td>REL</td>
<td>Religious Studies (Theology &amp; Religious Studies)</td>
</tr>
<tr>
<td>RMI</td>
<td>Risk Management &amp; Insurance (Finance)</td>
</tr>
<tr>
<td>RUS</td>
<td>Russian (Modern and Classical Languages)</td>
</tr>
<tr>
<td>SNL</td>
<td>Sign Language (Modern and Classical Languages)</td>
</tr>
<tr>
<td>SOC</td>
<td>Sociology</td>
</tr>
<tr>
<td>SPA</td>
<td>Spanish (Modern and Classical Languages)</td>
</tr>
<tr>
<td>SPE</td>
<td>Special Education</td>
</tr>
<tr>
<td>THE</td>
<td>Theology (Theology &amp; Religious Studies)</td>
</tr>
</tbody>
</table>

### Undergraduate Course Numbers

At the undergraduate level, the following types of course offerings are available across many disciplines and the numbers across from them classify each group appropriately:

- **Freshmen Seminar (New GEP)**
  - 150 (satisfies GEP FYS requirement; special topics will be presented in most academic departments offering this course)

- **Cooperative Education**
  - 488, 489 & 490

- **Internship**
  - 490, 491

- **Special Topics**
  - 170, 270, 370 or 470 (can be repeated for credit, topic will vary when offered)

- **Independent Research**
  - 493, 494

- **Lab Courses**
  - Add an “L” to the end of the number of the course to which the lab corresponds wherever possible (e.g. CHM 101 & CHM 101L)

- **Capstone (only as required by some)**
  - 495

- **Transfer Courses without SJU equivalent**
  - 196 to 199, 296 to 299, 396 to 399, 496 to 499 (used for transfer articulation where course transferring in is not part of the SJU catalog of offerings)

Course numbers for remaining courses are left to the department’s discretion. Some additional notes about certain undergraduate course types and offerings:

**Independent Study:** Special topic independent study courses can be offered using the Special Topics numbers outlined above. An independent study for an existing course can use the existing number. There is no need for special independent study numbers.

### Graduate (Masters Coursework)

Due to the large numbers of graduate catalog entries in certain areas of the university, it has been determined that graduate course numbers will follow this convention which is a modification of that approved by academic governance:

1. **500s:** Lower-level graduate courses.
2. **600s & 700s:** Upper-level graduate courses.
3. **800s:** Courses open only to doctoral students.

Curriculum at the graduate level is typically divided along the lines of foundation, core, and major or specialization coursework. Some programs have a thesis/research course, some do not. Some programs have a capstone course, some do not. These items are defined as follows:

**Foundation:** that part of a graduate program that may be waived given a student’s prior undergraduate or graduate education. Waivers are granted at the time of admission to a given program. Transfer credit is not awarded for Foundation courses. Foundation courses cover fundamental concepts to the specific discipline. Foundation courses are not counted in the minimum credits needed to graduate.
Core: that part of a graduate program required of all students pursuing the degree. Core courses provide additional depth beyond foundation work for fundamental concepts in the specific discipline.

Major/Specialization: that part of a graduate program that allows the development of expertise in a specific area of interest.

Thesis/Research: a course designed to allow the student to pursue independent research with a faculty member in a specific area of interest within the discipline. Often, it serves as a prelude to doctoral study.

Capstone: a course that serves as the culmination of the academic program, pulling together concepts from across the entire discipline.

At the graduate level, the following numbers are proposed to classify each group and selected other course types appropriately:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Number Range</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation</td>
<td>500 to 549</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>550 to 599</td>
<td></td>
</tr>
<tr>
<td>Major/Specialization</td>
<td>600 to 785</td>
<td></td>
</tr>
<tr>
<td>Special Topics</td>
<td>770</td>
<td></td>
</tr>
<tr>
<td>Internship</td>
<td>791 &amp; 792</td>
<td></td>
</tr>
<tr>
<td>Thesis/Research</td>
<td>793 &amp; 794</td>
<td></td>
</tr>
<tr>
<td>Capstone</td>
<td>795</td>
<td></td>
</tr>
<tr>
<td>Lab Courses</td>
<td>Add an &quot;L&quot; to the end of the number of the course to which the lab corresponds wherever possible (e.g. BIO 500L)</td>
<td></td>
</tr>
<tr>
<td>Transfer Courses without SJU equivalent</td>
<td>796 to 799 (graduate programs have transfer credit limitations; numbers are not used for regular SJU offerings)</td>
<td></td>
</tr>
</tbody>
</table>

Some additional notes about certain course types and offerings:

Independent Study: Special topic independent study courses can be offered using the Special Topics numbers outlined above. An independent study for an existing course can use the existing number. There is no need for special independent study numbers.

Graduation Requirement: Pennsylvania Department of Education regulations stipulate that a master’s degree must be comprised of a minimum of 30 credits. Certain SJU programs have a minimum of more than 30. Commonly accepted academic protocol indicates that Foundation courses are not part of the announced minimum number of credits required to graduate. Foundation courses, if required, add to the student’s number of credits required to graduate.

Section Naming Conventions
In order to readily identify different types of offerings, the following conventions be used when naming certain sections.

<table>
<thead>
<tr>
<th>Section Type</th>
<th>Naming Convention</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergrad Day Program</td>
<td>starts with &quot;D&quot;</td>
<td>&quot;D01&quot;, &quot;D02&quot;, etc.</td>
</tr>
<tr>
<td>Prof. &amp; Liberal Studies</td>
<td>starts with &quot;P&quot;</td>
<td>&quot;P01&quot;, &quot;P02&quot;, etc.</td>
</tr>
<tr>
<td>Graduate/Doctoral Programs</td>
<td>starts with &quot;G&quot;</td>
<td>&quot;G01&quot;, &quot;G02&quot;, etc.</td>
</tr>
</tbody>
</table>

Off-Campus Sections starts with "X" "XUR" - Ursinus, "XEN" - Einstein, "XSD" - Southeast Delco, N. B - Additional site abbreviations will be made by Registrar personnel as the schedule develops -- the codes will be on our website

Independent Study Sections starts with "IS" "IS1", "IS2", etc.

Honors starts with "HN" "HN1", "HN2", etc.

On-Line starts with "OL" as above

Hybrid starts with "HY" as above

Service Learning starts with "SL" as above

N.B. -- Additional abbreviations will be made as the schedule develops and will be posted comprehensively on the Registrar’s Office webpage.
Policies and Procedures

College of Arts and Sciences
Eri van K. Haub School of Business

Academic Policies and Regulations

Students are expected to be familiar with the policies and regulations summarized below and with any supplementary or modified policies and regulations which may be promulgated during the academic year. More detailed information is available from faculty advisors, department chairs, or the offices of the Deans.

Degrees and Requirements

The University offers three undergraduate degrees: the Bachelor of Arts, the Bachelor of Science and the Bachelor of Science in Business Administration. The degree awarded is determined by the student’s major field. The ordinary requirements for the degree include the completion of the number of courses specified by the major with a cumulative grade point average of 2.0, along with the satisfaction of the General Education Program and the approved requirements for the major field. The ordinary residence requirement for a degree at Saint Joseph’s University is twenty courses. Except where an approved degree program or an approved plan of acceleration provides otherwise, the last ten courses must be completed at Saint Joseph’s.

From the several hundred courses offered, students, in consultation with their faculty advisors, select those which best serve their educational need and meet the requirements for the degree. A repeated course, even when the student receives a passing grade on both occasions for the course, counts as only one course of those required for graduation. The student is responsible for planning a program of courses that satisfies all degree requirements.

Definition of a Course

For the purpose of fulfilling curricular requirements, a course is any semester unit to which a value of three credits or more is assigned. A laboratory associated with a course is not considered a separate course, even when it carries a separate course number and grade. Audit (non-credit) courses do not fulfill any requirement. The successful completion of at least 40 such courses is required for graduation.

Change of Grade

Requests by teachers for changes in grade must be submitted to the Registrar in writing within thirty days after the last examination date of the semester. Regular semesters are considered to be the fall and spring semesters. Requests by teachers for changes in grade after this time must be submitted in writing to the appropriate Dean, with reasons. Only in exceptional circumstances will such changes be permitted.

Grade Reports

Grades are available to all students at the end of each semester. The university has made grades available via the web. Quarterly grades, for freshmen are distributed through academic advisors; upperclassmen will be able to access their Quarterly grades through the web. Quarterly grades are not recorded but are issued solely to advise students of their academic progress. NG (no grade) is not a permanent grade and is assigned in those infrequent instances when a faculty member is late in returning grades or has not recorded a grade for a given student, for any reason.

Course Expectation Form (Syllabus)

In the first class meeting of a course, the teacher should distribute a written course expectation form explaining the nature of the course; the course goals, including those pertaining to assessment; the source materials, the sequence of topics or themes, assignments; the frequency and nature of tests (or other modes of evaluation); attendance policy; the university policy on academic honesty; the policy for accommodations for students with disabilities; and other policies of the discipline, unit or institution pertinent to the class.

Examinations

Students are required to take a written examination in each subject during the scheduled examination period at the end of each semester. However, with the approval of the department chair, an instructor may exempt from the final examination all students who have earned the grade of A in the course. Individual teachers who wish to substitute an alternative mode of evaluation for the final examination must submit a specific request in advance through their department chair for the approval of the appropriate Dean. The published course expectation form must include information on the alternative mode selected.

Dropping or Adding Courses

A student may add or drop a course during the add/drop period, usually the first week of class each semester, with approval of the academic advisor. Addition of an approved sixth course will require payment of an additional fee (see Student Expenses). Changes of section are permitted during the add/drop period and do not require approval of the academic advisor. Students normally log onto The Nest to perform all registration transactions, provided they have received the proper PIN from their advisor. In no case will dropping a course be permitted in contravention of penalties imposed through the University’s Academic Honesty Policy.

Withdrawal from Courses

A student dropping a course during the add/drop period will not have the course listed on his or her official record. A student who wishes to withdraw after the add/drop period must obtain approval from her/his academic advisor no later than the Last Day to Withdraw for the respective term and program as stated in the Academic Calendar. A request to withdraw past this day requires an extraordinary and unusual reason and the approval of the respective Associate Dean overseeing the student’s major. More explicitly, a regular withdrawal requires only the approval of the student’s advisor while an extraordinary withdrawal past the Last Day to Withdraw requires the approval of the Associate Dean of the student’s major. In no case will withdrawal be permitted after the last class day of the semester or in contravention of the penalties imposed through the University’s Academic Honesty Policy. http://www.sju.edu/int/resources/sdfs/about.html provides a website for students to locate forms and information on course withdrawals.

Audit

Audited courses appear on the students’ grade reports and on the official record with the grade X. Students must petition the appropriate Dean to be permitted to take a class on an audit basis. The appropriate Dean may allow a student to change from credit to audit status no later than the withdrawal deadline for the semester, but not to avoid penalties imposed through the University’s Academic Honesty Policy. The reverse change, from audit to credit status, however, is not permitted.

Pass/No Penalty Courses

Certain courses, particularly those requiring completion of a specified assignment or attainment of a specified level of skill, may be designated
as Pass/No Penalty courses. The grading basis must be established and publicized no later than the beginning of the registration period and must apply to all students in the course. All such courses require the approval of the relevant department chair and the appropriate Dean.

Pass/No Penalty Course Grade Option
In order to encourage students to challenge their interests and limitations in areas outside their chosen field of study, the University has a Pass/No Penalty grade option for students. This provision allows students the ability to select certain courses in which they are registered to be taken on a Pass/No Penalty basis for grading. In these cases, the final grade will have no effect on the student’s grade point average (GPA). However, credits earned will be awarded if a passing grade is attained. A standard passing grade submitted by an instructor for such students will be converted to the grade of P on the student’s transcript and a failing grade will be converted to NP by the Registrar’s Office upon review of the final grades for the course in question. The description of these grades and their meaning and usage are described in the appropriate section of this catalog.

Students may opt to take a course on this basis as long as the following conditions are met:

- The course selected is a free elective, not counting in any way toward the student’s general education requirements, or prescribed major or minor program requirements. Further, students are only permitted to take 2 (two) such courses under this option during their undergraduate career at Saint Joseph’s, and no more than 1 (one) such course in a given semester.
- The student and the course selected are on the undergraduate level and the student has attained junior or senior status at the university.

In addition to the above stipulations, students are required to submit their request to Hawk Central (BL 121) by the conclusion of the add/drop period for that term. Once accepted by Hawk Central personnel, the student accepts responsibility for the course meeting the stated eligibility requirements. Further upon submission of the request, the Pass/No Penalty option cannot be reversed. Questions regarding this option may be directed to Hawkcentral@sju.edu.

Attendance Policy
The course expectation form shall include a clear statement on attendance policy, specifying the maximum number of absences permitted in the course. If there is no notice to the contrary, students may assume that a policy of unlimited cuts prevails. While a teacher in a course with an unlimited cut policy may not use unannounced examinations as a means of enforcing attendance, students are responsible for the timely performance of all class assignments, including examinations. When students are required to absent themselves from class to participate in a University-sponsored activity, the director of the activity shall give written notice to the instructor in advance.

Courses outside the Colleges
Matriculated students may be permitted to take courses for degree credit in other two or four-year colleges and institutions only with written approval from their Dean. Unless an approved degree program provides otherwise, no more than six such courses (of the forty required) may be credited toward the degree. By prior arrangement with their Dean, students engaged in study abroad or in an approved exchange program may be granted degree credit for a maximum of ten courses. For students who have received academic suspension under the Academic Honesty Policy, no credits for courses taken during the time of suspension will be accepted toward graduation requirements. Students on leave of absence from the university may not receive credit for courses taken elsewhere during the leave of absence.

Satisfactory Academic Progress
The standard academic program in the day colleges at Saint Joseph’s University calls for students to progress toward their degree in eight regular (fall and spring) semesters in which five courses are taken each semester. Following such a program a student will have completed 40 courses, which should represent a minimum of 120 credits, by the end of the eighth semester. Transfer students must take a minimum of 20 courses at Saint Joseph’s University.

Satisfactory academic progress at Saint Joseph’s University requires students to earn a minimum of 24 credits in at least eight courses in each school year, beginning in September and ending in August.

It is the policy of the University to allow for a ninth and sometimes a tenth semester if significant reasons or a change in major justify such an extension. Permission for a ninth or tenth semester will ordinarily be obtained from the associate academic Dean of the appropriate college. The Deans of the Colleges reserve the right to consider special cases differing from the above statement.

Students who receive federal, state, or University aid need to maintain satisfactory academic progress in order to keep their eligibility. Evaluation of a student’s academic progress to determine financial assistance eligibility will be made at the end of the spring semester. Students not meeting criteria for satisfactory progress will be informed in early summer that their current academic record disqualifies them for financial assistance.

Students should not assume that Saint Joseph’s University would necessarily recommend and/or award financial assistance for more than eight semesters. Students intending to complete their degree program in more than eight semesters should first consult with the appropriate academic Dean and the Student Financial Services Office.

In addition to the quantitative parameter of twenty-four (24) earned credits within each academic year as a requirement for retaining financial assistance, Saint Joseph’s University also adheres to the qualitative parameter defined as follows:

Utilizing the academic probation structure as described in this Catalog, the recommendation of the Board on Student Academic Review and approval of the appropriate Dean to impose an academic dismissal on a student automatically includes the termination of financial assistance by the University. Under no circumstances will a student be eligible for financial assistance beyond the second consecutive academic probation.

Academic dismissal is mandatory if the student has not achieved the required cumulative grade point average at the end of the second academic probation. The Board on Student Academic Review may recommend the continuation of a second academic probation only for a student who has completed six semesters of study or for a student who has changed his/her major during the second probation. Academic dismissal may also occur after the first probation if sufficient improvement in studies has not been shown. In rare instances academic dismissal may be given without any previous probation if the student’s academic standing is so poor that academic probation would not be in the student’s best interest.
The qualitative parameter for financial assistance is linked to the academic dismissal procedures of the University. Since these judgments involve issues of academic qualifications and performance as well as federal and state regulations concerning financial assistance, decisions about the loss of financial assistance will be made jointly by the Student Financial Services Director and the appropriate academic Dean, acting on the recommendation of the Board on Student Academic Review.

**Class Standing**

Separate from the notion of "Satisfactory Academic Progress" is a student's class standing. Advancement through the freshman, sophomore, junior and senior levels is predicated on the number of semesters completed and hours earned toward completion of the degree program. Normally, eight semesters are required to finish a baccalaureate degree program. Hence, class standing at Saint Joseph's is based on the following scale for candidates in the day division:

<table>
<thead>
<tr>
<th>Class Standing</th>
<th>Credit Hours Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>fewer than 24</td>
</tr>
<tr>
<td>Sophomore</td>
<td>24 to 53</td>
</tr>
<tr>
<td>Junior</td>
<td>54 to 83</td>
</tr>
<tr>
<td>Senior</td>
<td>84 or more</td>
</tr>
</tbody>
</table>

Please be advised that completion of a semester means that grades for courses have been issued. Semesters and courses in progress are not semesters earned. Questions about class standing may be directed to Hawkcentral@sju.edu.

**Sixth Course**

Although the usual load is five courses, students with superior records (normally 3.3 GPA) may petition the Dean of the appropriate college for permission to carry a sixth course. No student may carry more than six courses in any semester. Additional tuition is charged for this overload.

**Professional and Liberal Studies Courses**

Day students wishing to register for Professional and Liberal Studies (PLS) courses must obtain permission from the chair of the department in which the course is offered. A dean's signature is not required. Juniors and seniors may take a maximum of two PLS courses per year. Sophomores are generally discouraged from taking PLS courses, although exceptions can be made at the discretion of the appropriate department chair. Freshmen may not take PLS courses. Day student enrollment in PLS courses is limited to 20% of the class; someday students who wish to take a specific PLS class may be unable to enroll if the 20% capacity has already been reached.

Day students in CAS who wish to take evening classes in HSB need special permission from department chairs or the Associate Dean of HSB, depending on the department. They should discuss with their academic advisor, prior to registering for the course, how the course(s) fits into their overall academic plan.

**Course Deficits and Academic Deficiencies**

Although the Deans may occasionally permit students to carry a sixth course to remedy deficits in their programs, course deficits and academic deficiencies are ordinarily made up in summer and intersession terms at Saint Joseph's. Only students who live beyond reasonable commuting distance or whose programs require courses not offered in any of the summer sessions at Saint Joseph's may, on the recommendation of their faculty advisors, be granted their Dean's permission to take courses at other institutions. Students normally seek permission to register for summer courses at other institutions during the pre-registration period of the spring semester.

**Early Graduation/Acceleration**

While the normal degree program requires eight semesters' attendance, students may seek the Dean’s approval for an accelerated program.

Extraordinary academic achievement on the pre-college level, through Advanced Placement and similar programs, may, at the discretion of the appropriate Dean, significantly reduce the normal semester requirement. Students should request the Dean's evaluation of their pre-college work before the end of the freshman year.

Other superior students may, for sound academic reason, request permission to accelerate their degree programs. Such acceleration is limited to ten courses or one academic year. After consultation with their faculty advisors and department chairs, interested students petition their Dean, ordinarily in the spring semester of the sophomore year but not later than the fall semester of the junior year, to approve a plan of acceleration. If the plan of acceleration includes summer session courses, not more than three courses may be scheduled for any one summer. The normal limitation of five degree courses in other institutions applies to accelerated programs. Transfer students with five courses or more in other institutions are not eligible for program acceleration.

**Delayed Graduation**

Students may request their Dean's permission to extend their degree program beyond the normal eight semesters. Extensions beyond ten semesters are granted only for extraordinary reason.

**Eligibility for walking in the Commencement Ceremony.**

Students with no more than 2 classes remaining at the end of the spring semester, and in academic good standing, may walk at graduation.

*Good standing for UNDERGRADUATE students is a cumulative GPA of at least a 2.0.*

*Good standing for GRADUATE students is a cumulative GPA of at least a 3.0.*

Special approval is required from the appropriate college Dean for students needing more than 2 courses, and/or not in good academic standing.

**Transfer Credit and Transfer Students**

To qualify for a degree, students transferring from another college or university or the Professional and Liberal Studies of Saint Joseph's or who took college level classes while in high school must fulfill the General Education Program and department requirements, either by transfer credit or by courses completed in the day colleges.

For freshman/transfer students:

In order for credit to be awarded, Saint Joseph's requires the course must meet the following criteria:

- Taken through a regionally accredited college or university
- Earned 3.00 credit hours or higher and the grade of "C" or better
- Taught by a member of the college faculty
- The course must have been open to enrollment by and graded in direct competition with regularly matriculated students attending that college
- The course cannot supplement high school graduation requirements
Final determination of transferable college-level credit is awarded by the deans’ offices.

**Please note:** Students must submit all materials by the end of the academic year of initial enrollment in order for the course to be applied to the SJU Degree. All incoming freshmen students must complete a Transfer Credit Request Form requiring the above criteria be verified by the college or university Registrar’s Office. All students must also submit an official college transcript and course description or syllabus for evaluation.

Incoming freshmen, students who receive a high school diploma in the same year as they enroll, may transfer a maximum of 18 earned college level credits or 6 courses achieved in the areas of Dual Enrollment/Diocesan Scholars/College Credit/Online/AP/IB.

### Residence Requirement

The ordinary residence requirement for a degree at Saint Joseph’s University is twenty courses. Except where an approved degree program or an approved plan of acceleration provides otherwise, the last ten courses must be completed at Saint Joseph’s.

### Summer Courses

Degree credit is granted for courses taken in summer sessions through the Professional and Liberal Studies and the Haub Degree Completion Programs only when the student has secured in advance written permission from her/his academic advisor. Summer school courses that are a part of the GEP or major course requirements must be taken at Saint Joseph’s University unless the course is not being offered that summer and is necessary for a student to maintain normal academic progress or the proper sequence of courses in his or her major field of study. Such courses, as well as elective courses, must be taken at an approved institution.

The approved uses of summer session courses for matriculated students are as follows:

- to make up academic deficiencies, i.e., courses failed or not completed during a regular semester;
- to make up course deficits, i.e., additional courses needed as result of change of major, or, in some instances, transfer;
- to enrich the student’s educational program; or
- To reduce the student’s course load in an ensuing semester.

Permission to register for summer courses does not constitute permission to accelerate a degree program. For all students registered in CAS and HSB, the maximum number of courses allowed for any one summer will normally be two. For exceptional reasons, the Dean may grant permission for a third course. Registration and payment for summer courses are governed by the regulations and procedures of the summer sessions.

### Academic Advising

**Academic Advising in the College of Arts and Science**

The academic advising functions in the College of Arts & Sciences are shared between faculty advisors and the staff of the CAS Advising Support Center. In this shared model, faculty advisors and the Advising Support Center have distinct roles in the advising process, but they work collaboratively to help students to be academically successful and to benefit fully from the collegiate experience.

Faculty advisors have the primary role in providing students with information about courses, the requirements of their major, graduate education, and careers. They also serve as mentors and guides in the intellectual development of students. The Advising Support Center (ASC) has the supporting role of providing students with information about the General Education Program (GEP), declaring a major, course registration, and college and university academic policies and procedures. The ASC can assist students in identifying the forms needed to change majors, to add or drop a course, to withdraw from a course, and it can also provide information about important advising and registration deadlines.

Incoming first-year students who have declared a major are assigned an advisor in their major. Incoming first-year students who are undeclared are usually assigned an advisor in their division or unit (Education, Humanities, Natural Sciences/Math/Computer Science, or Social Sciences). Once they have declared a major, these students will be assigned to a faculty advisor in that major. Transfer students are assigned a faculty advisor in their major.

All students are encouraged to develop an ongoing relationship with their advisors and to be in contact with them during the school year, either during the advisor’s posted office hours or at some other mutually convenient time. First-year students are required to meet with their advisors twice each semester—to view and discuss mid-semester grades and to receive approval of course selections for pre-registration for the following semester. Sophomores, juniors, and seniors are required to meet with their advisors once each semester for pre-registration for the following semester; they are also encouraged to meet with their faculty advisors at other times to discuss their academic progress and future plans for graduate school or careers. Any change of major requires consultation with the chair/director of the student’s current major and the chair/director of their prospective major as well as approval of the relevant associate dean.

In the second semester of junior year, students are responsible for making an appointment with their faculty advisor to review course requirements completed and course requirements not yet fulfilled for their bachelor’s degree. Such a review is necessary to ensure that the proper set of courses will be taken in the senior year and that graduation can occur at the expected time. Although faculty advisors and the ASC provide information and counsel, it is ultimately the student’s responsibility to ensure that he/she has completed all of the requirements for his/her major and/or minor.

The CAS Advising Support Center is an especially important resource for assisting students in navigating the transition to Saint Joseph’s University and in understanding the registration process. First-year students, in particular, are expected to participate in advising workshops that might be offered by the Center prior to registration for spring classes. In addition to covering important topics like academic planning for the GEP and registration procedures, such workshops can also provide an introduction to special programs, academic support services (such as the Learning Resource Center, the Writing Center, etc.), other resources (such as the Career Development Center), and other academic opportunities available at Saint Joseph’s University. Students may direct questions to Dr. Celina Gray, Director of the CAS Advising Support Center, at cgray@sju.edu.

**Academic Advising in the Haub School of Business**

In the Haub School of Business (HSB), academic advising functions are shared between faculty advisors and the staff in the William F. Leahy Advising Center (LAC). In this shared model, faculty advisors and the LAC have distinct roles in the advising process but work collaboratively to
help students successfully transition to college and benefit fully from the collegiate experience.

The LAC is a primary resource for general advising questions, especially during the first two years of college when students are mastering the course selection and registration process, navigating the transition to Saint Joseph’s University, and making decisions about their major. As a way to orient students to the Haub School of Business, all first-year students are required to participate in an advising session (i.e., HSB Advising 101) prior to registering for spring classes. These sessions cover essential topics including academic planning for the General Education Requirement (GER) and the new General Education Program and Business Foundation courses, course selection and registration procedures, and an introduction to special programs, resources, and academic opportunities available at Saint Joseph’s University.

Every student in the HSB also has a faculty advisor whose role focuses primarily on mentoring and academic/career planning. Each student who has declared a major is assigned a faculty advisor from the department in which they are majoring and will work with his/her advisor to plan a curriculum and explore potential career opportunities. Each undeclared student will be assigned to an HSB faculty advisor and will work with his/her advisor to explore possible majors and to develop educational and career goals. Students may direct questions to Timothy Higgins, Director of the William F. Leahy Advising Center, at thiggins@sju.edu.

The Office of Student Success

By supporting students as they face obstacles associated with college life, the Office of Student Success & First Year Experience assists students in making connections with campus resources and provides coaching on strategies for having a positive transition to college and an enjoyable experience at SJU.

Every SJU student is fully capable of earning a degree from Saint Joseph’s University. At times, students experience difficulties: academic, emotional, social, health-related, family emergencies, and disciplinary actions. There are many resources on campus available to support our students, and the Office of Student Success is here to help.

The Office of Student Success is located in:

G10 Bellarmine Hall
610-660-2956
success@sju.edu
or visit the website sju.edu/studentsuccess

Academic Probation, Suspension and Dismissal

A cumulative grade point average of 2.0 is the minimum required for a bachelor’s degree from Saint Joseph’s University. Students with a grade point average below 2.0 (cumulative or semester) at the end of any semester will be cautioned that their level of performance may be insufficient to satisfy the requirements for graduation.

At the end of the fall or spring semester, students who have a cumulative grade point average below the minimum level indicated in the table below will be automatically recommended for academic dismissal. The advisor is notified as well, and the student is informed of his or her options and is required to meet with his or her advisor.

Students may appeal academic dismissal in writing (after both semesters) or in person in front of BOSAR by a date to be set by the Associate Deans in consultation with the Registrar, which can then recommend they be:

• placed on academic probation
• suspended from Saint Joseph’s University, or
• dismissed from Saint Joseph’s University

At the end of the second semester and following, students who have a cumulative grade point average below the minimum level indicated in the table below will be reviewed by BOSAR, which could lead to a recommendation for academic probation, suspension, or dismissal. The advisor is notified as well, and the student is required to meet with their advisor.

If students are on probation for any four semesters they will be summoned by the Board of Student Academic Review.

<table>
<thead>
<tr>
<th>Semester completed</th>
<th>Minimum GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>At the end of the 1st semester</td>
<td>1.8</td>
</tr>
<tr>
<td>At the end of the 2nd semester</td>
<td>1.8</td>
</tr>
<tr>
<td>At the end of the 3rd semester</td>
<td>1.8</td>
</tr>
<tr>
<td>At the end of the 4th semester</td>
<td>1.8</td>
</tr>
<tr>
<td>At the end of the 5th semester</td>
<td>1.9</td>
</tr>
<tr>
<td>At the end of the 6th semester</td>
<td>1.9</td>
</tr>
<tr>
<td>At the end of the 7th semester</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Transfer students are required to maintain the minimum GPA for the semester level to which they are assigned. Courses at other institutions for which they received academic credit at SJU upon transferring and which contribute to their SJU cumulative grade point average are included in these calculations.

Academic Probation

Students who fail to maintain the required grade point average or an acceptable level of progress toward the degree are placed on probation by their Dean, acting on the recommendation of the Board on Student Academic Review. A student on probation is required to report to the Dean, who may prescribe appropriate remedial measures, and is not permitted to register for more than five courses a semester. (If circumstances warrant, the Dean may require a student on probation to limit his/her course load to four with no reduction in tuition.)

Ordinarily, the period of probation will extend one semester, during which time the student must show sufficient improvement to raise his/her GPA above the minimum level. In extraordinary cases, one additional semester of probation may be allowed by the Board on Student Academic Review if the improvement during the first probationary semester indicates that the student will probably reach the necessary level by the end of the second probationary semester. A student may be permitted as many as three semesters of probation, provided that no more than two are consecutive.

A student on academic probation is ineligible to participate in major extracurricular activities, including intercollegiate athletics, or to serve as officer or director of any student activity.

Academic Suspension

A student who is showing slow improvement in his/her level of performance or rate of progress during this period of probation may be subject to academic suspension by the appropriate Dean on the recommendation of BOSAR. While a student is normally granted at least one academic probation before suspension, the Board on Student Academic Review may recommend academic suspension without any probation when the student’s cumulative grade point average is so low.
that BOSAR determines an academic probation would not be in the student’s best interest. A student who has been placed on suspension by the appropriate Dean may return to Saint Joseph’s University only after being away for one semester but not more than four semesters.

**Academic Dismissal**

A student who fails to make sufficient improvement in his/her level of performance or rate of progress during the period of probation (or after coming back from suspension) may be subject to academic dismissal by the appropriate Dean.

While a student is normally granted at least one academic probation (or suspension) before dismissal, the Board on Student Academic Review may recommend academic dismissal without any probation or suspension where the student’s cumulative grade point average is so low that BOSAR determines an academic probation and/or suspension would not be in the student’s best interest. A student who has been academically, dismissed may not be a student at Saint Joseph’s University in the future without formally re-applying to the University.

**Academic Forgiveness**

In extraordinary circumstances, BOSAR has the authority to recommend to the appropriate Dean that the student receive academic forgiveness, expunging all the student’s grades from the most recent semester from their academic transcript. This policy cannot be used to expunge some or all of the grades from any previous semester (other than the most recent one) or to expunge only some but not all of the grades from the most recent semester.

**Composition of Board of Student Academic Review**

The Board of Student Academic Review (BOSAR) shall consist of:

- two (2) Associate Deans, one from each college (College of Arts and Sciences and Haub School of Business). One of the Associate Deans should serve as Chair and the other Associate Dean as co-Chair
- four (4) faculty members representing each of the four divisions of the University,
- one (1) student member.

**Honors at Graduation**

Honors at graduation will be awarded for grade point averages in all subjects as follows:

<table>
<thead>
<tr>
<th>Honor</th>
<th>Grade Point Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>summa cum laude</td>
<td>3.85</td>
</tr>
<tr>
<td>magna cum laude</td>
<td>3.70</td>
</tr>
<tr>
<td>cum laude</td>
<td>3.50</td>
</tr>
</tbody>
</table>

Averages for honors will be computed on the basis of work completed at Saint Joseph’s in CAS and HSB only. To be eligible for honors at graduation, students must complete twenty courses in CAS and HSB.

**Dean’s List**

Students who achieve a grade point average of 3.5 for a semester in which they complete at least 15 credits, all at Saint Joseph’s University, and have no grade below B will be included on the Dean’s List.

**Phi Beta Kappa Society**

Phi Beta Kappa was established in 1776 as a philosophical society. Eventually, it evolved into the paramount honor society for the liberal arts in America. Its major goal is to support, foster, and recognize the excellence of liberal arts scholarship in the institutions of higher education in America. There are presently 262 chapters in the United States; the Saint Joseph’s University chapter was established in 2001. The chapter is sheltered by the University and consists of the faculty and staff members who are members of the Society. These members carry on the business of the chapter and elect the student members each year.

Student members are elected in the second semester of the junior or senior year primarily on the basis of broad cultural interests, scholarly achievement, and commitment to the intrinsic value of learning. Eligible students must present a program including not less than 90 credit hours of liberal studies among the 120 or more credit hours required for the bachelor’s degree. In addition, they must have completed at least three full semesters of work (45 credit hours) in residence at Saint Joseph’s University and be fully registered, as a full time student, for the fourth semester. They must have obtained the minimum grade point average (at Saint Joseph’s University) specified by the chapter. While this may vary slightly from year to year, usually it is 3.75 for juniors and 3.5 for seniors.

Liberal studies shall be considered to be those designed principally for knowledge or understanding or appreciation of the natural and social world in which we live. Grades earned in applied or professional work may not be counted in computing the liberal arts hours or the grade point average for eligibility. Applied and professional work shall be understood to include all training intended to develop skills or vocational techniques; this work often leads to licensure or certification. Such courses generally are taken by students who are preparing for a specific type of job. Examples of courses not recognized by the national office of Phi Beta Kappa under the heading of "liberal studies" would be those in business administration, accounting, education, journalism, library science, military science, applied physical education, speech, applied art, applied music, social work, applied communication, and computer science.

Weight will be given to the breadth of the program of each candidate as shown by the number and variety of courses taken outside of the major. Weight will also be given to the balance and proportion of the liberal arts in the student’s degree program as a whole. Students who have violated the academic honesty policy of the University will not be eligible for membership.

Students who complete their college studies at the end of the summer session or at the end of December, shall be considered for membership during the following spring.

Election to membership in Phi Beta Kappa is wholly within the discretion of the local chapter, subject only to the limitations imposed by the Constitution and By-Laws of the Chapter. No right to election shall adhere to any student solely by reason of fulfillment of the minimum grade point average for election to “membership in course,” and no reason need be given for non-election.

**Beta Gamma Sigma**

In the spring of 1907, a group of commerce students at the University of Wisconsin received permission from the faculty to organize a commerce honor society, which they called Beta Gamma Sigma. The purpose of the Society was to encourage and reward scholarship and accomplishment in the field of business studies among commerce students at the University. At about the same time, students at the University of Illinois and the University of California felt the need for such an organization on their campuses and respectively organized Delta Kappa Chi (1910) and The Economics Club (1906). In 1913, having become aware of their coexistence and common purpose, representatives of the three societies
met at Madison, Wisconsin, to consummate a merger which made Beta Gamma Sigma into a national organization.

Action was initiated in 1919 to establish Beta Gamma Sigma as the only scholastic honor society recognized by the American Assembly of Collegiate Schools of Business (AACSB). This organization, which was renamed AACSB International - The Association to Advance Collegiate Schools of Business, includes in its membership collegiate schools of business that meet high standards of eligibility required of accredited member institutions with respect to curricula, teaching staff, teaching loads, library and laboratory facilities. Beta Gamma Sigma amended its constitution in 1921 to restrict the installation of new chapters to collegiate schools of business which are accredited members of AACSB International.

The Mission of the International Honor Society Beta Gamma Sigma is to encourage and honor academic achievement in the study of business, to foster personal and professional excellence, to advance the values of the Society, and to serve its lifelong members.

Honor Societies
Distinguished achievement is also recognized by admission to Alpha Sigma Nu, national Jesuit honor society, and the following more specialized national honor societies:

• Upsilon Pi Epsilon (Computer Science),
• Omicron Delta Epsilon (Economics),
• Alpha Upsilon Alpha (Education),
• Kappa Delta Pi (Education),
• Delta Phi Alpha (German),
• Phi Alpha Theta (History),
• Pi Mu Epsilon (Mathematics),
• Phi Sigma Iota (Modern Languages/Classics),
• Sigma Xi (Student Research),
• Phi Sigma Tau (Philosophy),
• Sigma Pi Sigma (Physics),
• Pi Sigma Alpha (Political Science),
• Alpha Epsilon Delta (Premedical),
• Psi Chi (Psychology),
• Alpha Kappa Delta (Sociology),
• Sigma Delta Pi (Spanish), and
• Theta Alpha Kappa (Theology).

Independent Study/Directed Readings, Research Tutorials
Students who have completed four regular semesters with an overall grade point average of 3.0 (or cumulative average of 3.4 or higher for courses in the major field) may, with the prior approval of the chair of their department, register each semester for one upper division course in the major field (or a closely related field) to be taken in the Independent Study/Directed Readings or Research/Tutorial format. Such courses are offered to enrich the student's major program and not as a special arrangement to facilitate a student's fulfillment of course or credit requirements. Additional conditions are described in Guidelines for Directed Readings, Independent Study, and Similar Courses issued by the appropriate Dean’s Office.

Second Major
Qualified students may request permission to pursue a second major for sound academic reason. Such a request requires the approval of the chair of the secondary major department and of the appropriate Dean. Certification of completion of requirements for the second major will be the responsibility of the chair of the secondary major department. The final transcript will record the completion of the second major. The degree granted will be the degree appropriate in the primary major. Two separate degrees will not be granted to students who complete a second major.

Second Degree
Students who have earned one bachelor’s degree may request permission to study for a different bachelor’s degree. Applications for a second degree require the approval of the major department and the appropriate Dean. Candidates for a second degree must meet all ordinary degree requirements, but courses applied toward a first degree may be applied toward a second degree, as if the candidate were a transfer student, but at least ten additional courses must be taken for a second degree. Holders of bachelor's degrees are advised that a second degree is rarely, if ever, required for certification or pre-professional qualification. Specific course requirements for certification or pre-professional qualifications can usually be met by enrolling in the required courses as an adjunct student. Many institutions offer graduate credit for courses which may be applied toward certification requirements.

Special Program
A set of requirements leading to a specific objective secondary to the degree, either vocational or liberal, with the required courses simultaneously satisfying degree requirements, constitutes a Special Program. A minimum of eight courses and two disciplines are necessary for a Special Program. Completion of a Special Program is noted on the student's permanent record.

Minors
Students may have a minor listed on their permanent records in areas where the department has approved one or an interdisciplinary program. For a minor, at least 18 credits in the specified area must be obtained. Students choosing a minor must seek the approval of the chair in the department of the minor no later than the last day of the add/drop period of their seventh semester. Students should also be aware that their choice of a minor may be restricted based on their major or primary area of study. The Minor form can be accessed at http://www.sju.edu/int/resources/hawkcen.

Advisory Options
Advisory Options constitute a list of suggested courses which provide an integrated focus, concentrating electives, GEP courses, or major courses in such a way as to attain some specific education objective. Courses required for the option simultaneously satisfy degree requirements. Such courses are usually, but not always, offered in a specific department.

Withdrawal from the University
Before an undergraduate day student withdraws from Saint Joseph's University, they should consult with their academic advisor. To complete the withdrawal process, students will submit the withdrawal form and have an exit interview with a staff member from the Office of Student Success. To begin the withdrawal process, contact success@sju.edu or call 610-660-2956.
**Leave of Absence**

A Leave of Absence is for students who are taking time off from their formal education, with the intent to return to SJU. Students may not take classes at another institution and transfer those credits back to SJU while they are on a LOA. When approved by the appropriate Advising Center, a LOA is granted for one semester and may be renewed once for a consecutive semester or a total of 2 LOAs during a student’s time at SJU.

Students on a LOA are reported to lenders and loan service agencies as “not enrolled” and the student needs to contact lenders for information on possible repayment requirements.

To access the form:
http://www.sju.edu/int/academics/centers/casadvising/forms/leavewithdraw.html

**Transcripts**

Students may obtain transcripts of their grades provided their financial obligations to Saint Joseph’s have been fulfilled. Official transcripts bear the signature of the Registrar and the seal of the University; they are sent, on request of the student, directly to other institutions or organizations. A fee is charged for transcripts. To order an official copy of your transcript:

https://www.studentclearinghouse.org/secure_area/Transcript/to_bridge.asp

**Commencement and Diplomas**

Students who will complete requirements for a degree in a given semester must apply for graduation at the time specified by the Registrar. Commencement exercises are held annually in the spring. Diplomas are issued three times a year, on September 15, January 15, and on the date of the Commencement exercises. Students receiving diplomas in September or January are invited to participate formally in the Commencement exercises of the following May. Diplomas will be mailed to the student’s home address approximately six weeks following the graduation dates above. The form is located under student records and payments: http://www.sju.edu/int/resources/hawkcentral.
The General Education Program

The General Education component of the curriculum at SJU enables students to examine the principal issues and achievements of the major fields of human learning, provides an opportunity to master skills required for more advanced study, and gives them students freedom to pursue further studies in areas in which they find an interest, to experiment with previously unexplored areas, or to enter a chosen field of study.

The Major Concentration component offers the opportunity for that deepened knowledge of a special area which is an essential characteristic of a full education and also provides a basis for an effective career or for study in graduate or professional school.

The curriculum is designed such that all graduating undergraduate students can meet the following goals:

1. Communication: Students will communicate effectively through written and oral modes of expression across academic, professional, and social contexts using appropriate technology.

2. Critical Thinking and Inquiry: Students will think critically and construct reasoned arguments to support their positions using skills appropriate to the context, such as deductive reasoning, scientific inquiry, quantitative reasoning, aesthetic judgment, or critical examination of form, style, content and meaning.

3. Ethics, Social Justice, and Ignatian Values: Students will assess and respond to ethical and social justice issues informed by Ignatian values and other theoretical frameworks.

4. Diversity: Students will engage respectfully, in a local and global context, with diverse human beliefs, abilities, experiences, identities, or cultures.

5. Discipline or Program Specific Competencies: Students will acquire the essential knowledge and skills to succeed and make well-reasoned judgments personally, professionally, and in their chosen area(s) of study.

6. Jesuit Intellectual Tradition: Students will examine forces that have shaped the world they have inherited through instruction in the Ignatian educational tradition which includes the study of the humanities, philosophy, theology, history, mathematics, and the natural and social sciences.

Listed below are the specific requirements for the GEP curricula.

For the Adult Undergraduate GEP please see here (p. 51).

General Education Program (GEP)

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive.

Overlay requirements are part of the forty-course requirement.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
</tbody>
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GEP Signature Courses

One Faith and Reason Course

This requirement can be satisfied by any course certified as a "Faith and Reason" course, provided that the course is not at the same time being used to satisfy a GEP Variable or Integrative Learning requirement. Faith and Reason courses provide students with appropriate intellectual and epistemological frameworks for exploring both the tension and cohesion of faith and reason in the contemporary world. Moral Foundation (PHL 154) and Faith, Justice, and the Catholic Tradition (THE 154) are prerequisites.

One First-Year Seminar Course (This course must be taken in the first year, either fall or spring semester).

The First-Year Seminar is designed to introduce students to the adventures of learning in a college context. The challenge and excitement of intellectual exploration of a topic of shared interest is its prime purpose. Its only prerequisites are a genuine interest in the topic and a willingness to contribute to the success of the course through diligent individual effort and enthusiasm. First-Year Seminars, which are limited in enrollment size, focus in depth on a question or topic of disciplinary or interdisciplinary interest. By means of its specific focus, the seminar will explore the thinking, research, and writing practices in a particular field(s). Discussion based on careful reading of texts, writing assignments, both reflection and research types, and in-class student presentations will be supplemented, as appropriate, with activities including guest lecturers, museum trip, attendance at local cultural events and or field excursions.

The first year seminar is specially designed for and open to freshmen, thus all freshmen should take a first year seminar during one of their first or second semesters at SJU. However students who fail to successfully complete a First Year during one of their first two semesters at SJU will be required to take an additional Philosophy or Theology/Religion Studies course as a replacement for the FYS. This replacement course cannot count for any other major or GEP requirement.

Note: For non-transfer students, these six signature courses must be completed at SJU. Transfer students may use transfer credits to meet Signature Core requirements if course equivalency is approved by the CAS Dean's Office. Transfer students are exempt from the First-Year Seminar requirement.

Variable Courses

Please note students may earn AP credit and/or use transfer credits to meet these requirements. Students must take approved courses in the following areas:

- One Art, Music/Theatre/Film, or Literature Course
• One Mathematics-Beauty Course
• One 4-credit Lab-Based (or two 3-credit lecture only) Natural Science Courses
• Non-native Language Requirement (1-2 courses at the appropriate level, depending on language placement)
• One Social/Behavioral Science Course
• One Philosophical Anthropology Course (Pre-requisite PHL 154)
• One Religious Difference Course
• Writing Requirement (ENG 101 or AP credit)

**Integrative Learning**

This component includes three courses determined by a student’s primary major department or program. These courses must be College of Arts and Sciences courses outside of the major department. The Integrative Learning component aims to foster integration of the major with general education. The Integrative Learning component requirement is in addition to GEP Signature and Variable requirements.

**Electives**

Except for students majoring in Education, all students will have no fewer than six free elective courses.

**GEP Overlay Courses**

Students take one Ethics-intensive course, one Writing-Intensive course, and one course from any of the following three areas of Diversity, Globalization or Non-Western Studies. Courses may be certified in multiple overlay areas.

**Diversity**

Diversity courses analyze the construction and maintenance of social categories such as race, class, religion, sexual orientation, gender, age, ability as well as the material, political, economic, social and ethical consequences of these identities. Each diversity course employs theoretical frameworks that provide sustained analytical inquiry. Each course emphasizes the ways in which social categories overlap and interact to produce multiple identities and attend to the complex consequences of these intersections. Diversity courses are not purely empirical, though they contain empirical components; rather, they are critical-seeking to account for and understand the significance of such social categories and, where appropriate, to investigate methods of challenging social institutions that promote injustice.

**Globalization**

Courses in this area will address the theoretical foundations (economic, political, historical, cultural, environmental and ethical) of the international framework that is increasingly linking countries, cultures and peoples around the world. These courses will examine the ways in which global processes and interactions among nation states, societies, international organizations and individuals shape human experience, both in the past and present. These courses will focus on the forms of interaction and interdependency among the world’s peoples and the social structures that bring us closer to one another.

**Non-Western Areas Studies**

In identifying courses in this category, the "West" is used primarily in its cultural sense. This broad usage extends beyond the narrow geographical boundaries of "western Europe". These courses therefore focus primarily on cultures different from those emphasized in courses on "Western Civilization". Non-Western Area course do have a geographical component because they concentrate on the language, culture, history, society, economics and politics of one or more region outside of North America and Europe. These courses emphasize understanding a region and its cultures on their own terms and from the perspectives of their own peoples rather than in the context of the West or as part of global comparative systems. This may also include appropriate language courses above the intermediate level. The Diversity, Globalization, or Non-Western Studies overlay requirement may be satisfied by any approved course outside of the Signature Common Core and Faith and Reason. If so certified, any GEP Variable course, any Integrative Learning course, any First Year Seminar, any Concentration or Major course, or any Free Elective can satisfy this requirement, with the following exception: A course taken for Religious Difference GEP Variable credit may not at the same time count for Diversity, Globalization, or Non-Western Studies overlay credit.

**One Ethics Intensive Course**

Ethics-intensive courses evaluate ethical issues in a particular discipline or field. Such critical evaluation requires applying to the disciplinary material some of the theoretical frameworks and conceptual tools that students have acquired in their signature/core courses. Ethics-intensive courses will thus push beyond professional ethics (where "the good" is determined only by the rules of the discipline or field) and will rigorously investigate the subject matter of a course in light of more fundamental moral values and ethical principles (e.g., justice, human dignity, vocation, beneficence, utility, double effect, proportionality). Through this study, students will come to a deeper understanding of a moral life and will be enabled to better act with self-agency in their lives beyond. This requirement can be satisfied by any approved course outside of the Signature Core. If so certified, any GEP Variable course, any Integrative Learning course, any Concentration or Major course, or any Free Elective can satisfy this requirement. (pre-requisite PHL 154)

**One Writing Intensive Course**

Writing is a means of communication and a skill that develops with structured practice. It is grounded in the foundations of proper punctuation, grammar and thesis statement and development. This course will push beyond professional ethics (where "the good" is determined only by the rules of the discipline or field) and will rigorously investigate the subject matter of a course in light of more fundamental moral values and ethical principles (e.g., justice, human dignity, vocation, beneficence, utility, double effect, proportionality). Through this study, students will come to a deeper understanding of a moral life and will be enabled to better act with self-agency in their lives beyond. This requirement can be satisfied by any approved course outside of the Signature Core. If so certified, any GEP Variable course, any Integrative Learning course, any Faith and Reason course, any Concentration or Major course, or any Free Elective can satisfy this requirement. (pre-requisite: ENG 101).
SPECIAL PROGRAMS

Center for International Programs

The Center for International Programs (CIP) is strongly committed to internationalization and globalization – on the Saint Joseph’s University campus and elsewhere. The office provides information and services to incoming international students and students who wish to study abroad on a short-term or long-term academic program. The CIP also assists with the implementation of new international education initiatives and the support of the University’s International Travel Policy.

The CIP is located at 183 Bala Place (across from Lannon Hall) and the office hours are Monday through Friday, 9am to 5pm. Please visit the website for more information: http://internationalprograms.sju.edu/.

SJU Faculty-Led Study Tours

Each year, in conjunction with SJU faculty, the Center for International Programs offers a series of campus-based classes that have a travel component as one of their requirements. While class takes place on campus during the fall or spring semester, the actual travel portion occurs during the January intercession, spring break, or in the summer months. Each year, course offerings and destinations vary. (Recent study tour destinations included: Germany, Spain, Italy, Morocco, Cuba, Nicaragua, Belize and Panama. Students earn three credits for participating in these courses. Please note that the running of these programs is contingent on meeting sufficient enrollment requirements. Additional information about SJU study tours can be found on the CIP website: http://internationalprograms.sju.edu/.

SJU Summer Study Abroad

A SJU Summer Program is a month-long academic course offered by SJU faculty during the summer. The course is held in one of four locations:

• China,
• Greece,
• Rome or
• Chile (description of each to follow).

Academic learning takes place on-site, with required pre-departure meetings and assignments to help prepare students for the immersion experience. Summer Programs are designed to give students a longer immersion experience to other countries and cultures than Study Tours. Any student who is not on academic or disciplinary probation and is in good financial standing with SJU may apply for a SJU summer study abroad program, provided that s/he has received academic advisor approval and has met course pre-requisites. There is no GPA requirement; however, students must be in good academic standing. CIP also recommends that students meet with their academic advisor to make sure that they have met course pre-requisites (if applicable) and to talk about GEP or academic program requirements. Please note that the running of these programs is contingent on meeting sufficient enrollment requirements. For application information, please visit the CIP website: http://internationalprograms.sju.edu/.

SJU Summer Program in Greece: The SJU Summer Program in Greece takes place on the Greek island of Syros. Excursions are also typically offered in Athens, Santorini, and Crete. Students may enroll in one or two courses offered by SJU faculty and earn 3-6 credits. Students live in a neoclassical villa on Syros, in a hotel in Athens, and in a monastery in Santorini. Courses offered change from year to year. Previous courses have included Theology, Politics, History, and Psychology. (Summer only, four weeks, typically late May to late June.)

SJU Summer Program in Rome: The SJU Summer Program in Rome program takes place in the heart of Rome with several cultural visits planned in addition to two weekend excursions that typically include Florence/Pompeii and Sorrento/Capri. Students may enroll in one or two of the courses offered and there may be up to four courses offered each summer in a variety of disciplines. In the past, courses have included Italian, Classics, Psychology, Business, and Economics. Students, faculty, and coordinators reside at fully furnished apartments through The American University of Rome (AUR) and classroom space is provided on campus along with access to the AUR computer lab and library. (Summer only, four weeks, typically in the month of July.)

SJU Summer Program in China: The SJU Summer Program in China is tentatively scheduled to take place at the Beijing Center. Site visits to Luoyang, Xi’an and Hangzhou as well as a weekend trip to Shanghai are planned as part of the itinerary. Students may enroll in one or two classes. Previous courses have included History, Business, Theology, and Decision Sciences. (Summer only, four weeks, typically late May to late June)

Non-SJU Summer or Winter Study Abroad

Saint Joseph’s University students who wish to earn academic credit through participation in an external (i.e., not facilitated by SJU) winter (J-term) study abroad program must apply through the CIP’s online application system by the appropriate deadlines (March 15th for summer study abroad and October 15th for winter study abroad). As part of the application process, students will be required to obtain course approvals and seek the support of their Academic Associate Dean. Before beginning an application, however, we strongly advise students to carefully research program options. Students can browse through the brochures available in the CIP office, meet with the Study Abroad Advisor, or they can research programs independently. It’s important to also note the following policies related to non-SJU winter study abroad:

• Students of all levels (freshmen through seniors) are eligible to apply for approval to participate on a non-SJU winter/summer program.
• Students must have a minimum cumulative GPA of 2.5 in order to be eligible for this type of study abroad. However, students may find that many programs have a higher GPA requirement that they will also need to meet.
• The student is responsible for submitting appropriate application materials and payments directly to the program that he/she decides to apply into, and SJU financial aid will not transfer.
• Credits earned through the non-SJU summer/winter abroad program will be considered transfer credits and the grades earned will not be posted on the SJU transcript.
• Credit will only be granted if the student has earned a grade of C or above.

Semester or Year Abroad

Saint Joseph’s University has carefully selected 29 semester abroad program options in countries all around the world, including some programs with a Jesuit connection, programs with an experiential learning component such as an internship or service-learning, and options where SJU students can take classes alongside local students. Students should review all program options on the CIP website and schedule an advising meeting with a CIP staff member before beginning
an application. Students are also encouraged to consider a full year of study abroad.

**Petitioning for a Non-approved Program:** Saint Joseph's University students who wish to attend a university or study abroad program that is not currently affiliated with or approved by SJU and therefore not recognized for academic credit must petition the Center for International Programs through the on-line application system. Please note that this is only an option for students who have specific academic needs that cannot be met on any of the current Saint Joseph's approved programs; petitions for programs that are largely duplicate to, or are in enrollment competition with, existing Saint Joseph's programs, reciprocal university exchanges, or recognized affiliated programs in the same city or country are not normally approved.

As part of the application process, students will be asked to request a recommendation from their Academic Advisor. Therefore, before preparing a petition, the student should consult with their Advisor to discuss their specific interest in study abroad and how the experience will fit into their academic program. This is also a good time to discuss possible course selection and planning. It is also suggested that the student discuss a "backup plan" with their Academic Advisor (and the Study Abroad Advisor) in the event the petition is not approved. A committee reviews completed petitions and makes a recommendation to the CIP to either approve or reject the petition on a first come, first serve basis. Petitions are judged on the merit of the student's academic objectives in relation to specific study abroad opportunities for which they are seeking approval, and petition students are expected to have superior grades and sound academic preparation.

If the student's petition is approved, Saint Joseph's University will administer their study abroad program in the same way as an approved program.

**Eligibility:** SJU students are eligible for a semester abroad during the second semester of their sophomore year, all or part of their junior year or their senior year (with permission of the Associate Dean). Students must be in good academic and financial standing with Saint Joseph's University at the time of application and maintain that good standing throughout the process. There is a minimum cumulative GPA of 2.5, though many of our affiliated programs have a higher GPA requirement, some up to 3.0.

Although CIP can advise students on making an appropriate program selection and assist them through the application process, our approval does not guarantee admission into a particular study abroad program or foreign institution. Students are responsible for understanding and meeting the regulations, requirements and deadlines specific to the program of their choice.

**Applying:** Students must apply through the on-line application system and receive approval from the Center for International Programs (CIP) in order to study abroad. Application deadlines are typically March 1st for the fall semester and October 1st for the spring semester; however, the CIP may adjust these deadlines (in advance and with notice) if necessary. In the event of a larger than anticipated applicant pool, the Center for International Programs may not be able to approve all study abroad applications. Complete applications from eligible students will be approved on a first come, first serve basis. For this reason, early applications are strongly advised. Students who apply by the deadline but are not approved due to space will be placed on a waitlist. In the case of withdraws, priority will then be given to Saint Joseph's University students, students with no prior study abroad experience and students with exceptional, academic circumstances that may prevent them from studying abroad in a future semester. Some examples include (but are not limited to) class standing and major.

All other students not approved for the semester of their choice will be given priority for the following semester. Deferred applications will be approved pending an academic and disciplinary check during the following semester.

**Senior Approval:** Students who wish to study abroad during the fall or spring semester of their senior year must discuss their plans with their Academic Advisor, notify the Registrar's office, and obtain the approval of the Associate Dean for their College.

**Length of Stay:** Students can apply for an academic semester (fall or spring) or a full year abroad. Only in special circumstances (and with prior approval from the CIP, the Vice President/Associate Provost and the student's Academic Associate Dean) will a student be permitted to spend a third semester abroad. Students interested in studying abroad for more than one year should make an appointment with the Study Abroad Advisor prior to any planning and before beginning an application.

**Fees and Financial Aid:** Saint Joseph's University students who wish to study abroad for a semester and receive credit toward their Saint Joseph's degree will remain registered at SJU and pay SJU full-time, day tuition plus a $100 Continuing Registration Fee. Students will also be asked to submit a $300 confirmation deposit, which will be credited towards the student's total SJU tuition/Continuing Registration Fee expenses. Saint Joseph's University will then pay the overseas program for the tuition portion of the program. Students will be responsible for all non-tuition fees associated with the program they will be attending. Please visit the Center for International Programs website to review estimated costs for each of our approved, semester abroad programs.

All forms of financial aid can be applied to Saint Joseph's approved semester abroad programs. This includes Saint Joseph's grants, loans, scholarships, and state and federal awards, such as Pell Grants and Guaranteed Student Loans. A financial aid package for a student participating on a Saint Joseph's approved program will be based on the specific costs of the program in which the student will be studying. The following expenses will be included when calculating a student’s financial need: tuition and fees, room and board, books, airfare for round-trip ticket and miscellaneous expenses such as local transportation, police registration fees, immunizations and any health insurance required by the host country. Students may not use any of their financial aid towards a petition program that is not approved by the committee.

**Family Tuition Benefits, FACHEX and Tuition Exchange:** Students who are receiving SJU family tuition benefits will be able to use these tuition scholarships toward their study abroad experiences. Family Tuition Benefit is available only for courses taken as part of a bachelor's or master's degree program. Travel and expenses (other than tuition) for overseas programs, study abroad or other credit work at locations away from the main campus are not covered by the Family Tuition Benefits program.

Students who are the children of employees at other colleges/universities who are receiving scholarships through FACHEX and the Tuition Exchange Program may use these awards toward any approved study abroad program through Saint Joseph's University. For more information about FACHEX and the Tuition Exchange Program, please contact the Financial Assistance Office at 610-660-2000.
Credit Toward Graduation: Credit will be given towards graduation for all appropriate courses taken on SJu programs or approved programs abroad. Students must, however, get all courses approved following the instructions provided by the CIP. All courses (including credit-bearing internships) must be taken on A-F basis; pass/fail is not an option. Grades are reported on the Saint Joseph’s University transcript and count toward the student’s overall GPA.

Program Requirements: Students are required to maintain full time enrollment, attend class regularly and comply with all program regulations and individual course requirements in any program they choose. Students who leave the program before it is officially over will not receive credit for their work.

University Refund Policy: Students who choose to withdraw from the study abroad program must immediately notify the Center for International Programs through the on-line application portal. Only that portion of the student’s tuition and fees, which have not been committed on their behalf to the University and/or any third party at the time of cancellation, will be refunded to the student. If the student withdraws from the program before paying tuition and fees, the University will bill the student for commitments made on their behalf to the University and/or any third party. The student will be financially responsible for any such costs incurred, per the terms of the Semester Abroad Academic and Disciplinary Waiver in the on-line application.

Fellowships

The Fellowships Office offers guidance and advice to fellowship and scholarship applicants already enrolled in the College of Arts and Sciences, the Erivan K. Haub School of Business, Professional and Liberal Studies and the Haub Degree Completion Program. In the majority of cases, these fellowships and scholarships are given by off-campus granting institutions or foundations, such as the Fulbright Program, the Barry M. Goldwater Excellence in Education Foundation, the Harry S. Truman Scholarship Foundation, or the Rhodes Scholarship Fund. The Fellowships Office works closely with fellowship/scholarship applicants in every step of the application process, from discerning which fellowships/scholarships best suit their needs to discussing and implementing the steps that need to be taken along the way. For more information, contact:

Mark Reynolds
Director of Fellowships
307 Science Center
mreynolds@sju.edu. (mreynolds@sju.edu)

Health Professions

Admission to Schools of the Health Professions

Students preparing to enter a doctoral level program in the health professions such as medicine or dentistry typically major in one of the natural sciences. It is also possible to major in humanities and social science areas and still fulfill the minimum requirements for all health professional schools, however students need to show proficiency in the natural sciences to be a strong candidate for admission. The minimum course requirements for most medical, dental, optometry, veterinary, and podiatry schools include one year each of biology, general chemistry, organic chemistry, and general physics, all with labs. Additionally, a semester of coursework in biochemistry, statistics, and calculus is strongly recommended or required by most health professional programs. Although schools establish these minimum science requirements for admission, it is strongly recommended that students take additional advanced level science courses to enhance their background and to show that they can manage advanced science work. Courses that explore the sociological, psychological, philosophical, and ethical aspects of healthcare delivery—the human dimension—are also strongly encouraged.

The twelve-member Health Professions Advisory Committee reviews the credentials of students applying to health professional schools and provides the composite letter of evaluation from the University.

Saint Joseph’s also offers linkage programs with Thomas Jefferson University for various allied health programs including Nursing, Physical Therapy, Occupational Therapy, Medical Laboratory Sciences, and Radiologic Sciences. Each of these programs have specific admissions criteria so interested students should contact the Health Professions Advisor for more details. The Health Professions Advisor counsels students on course selection, preparation for the MCAT and other standardized admission exams, and procedures to follow when applying to health professional schools. For more information, contact:

Mrs. Connie O’Hara
329 Science Center
(610) 660-1043
ohara@sju.edu

Service-Learning Program

Integral to the mission of Saint Joseph’s University, Service-Learning challenges students to combine traditional academic coursework with community service experiences. The student engaged in Service-Learning works in two classrooms, one here at the University and the other in the city of Philadelphia. Classroom lectures, texts, assignments and critical reflection on social justice issues are enhanced by the service commitment of three hours per week with community partner schools and agencies that relate to course material.

Service-Learning courses are offered in both the College of Arts and Sciences and the Haub School of Business. A unique Freshman Service-Learning Program engages first year students through a two course sequence embedded in General Education courses for an entire academic year. Upper-class students can enroll in semester-long course offerings in their major, minor or general education requirements. A team of staff and student leaders assist the faculty in the recruitment, placement and orientation of students enrolled in Service-Learning courses. To learn more about the Service Learning Program and a current list of open courses, please visit www.sju.edu/servicelearning or contact the Faith-Justice Institute.

Faith-Justice Studies Program

Program Description

The Faith-Justice Studies program is an interdisciplinary, self-designed curriculum that enables students to integrate their major area of study with inquiries into social justice and faith issues. With the assistance of the Faith-Justice Studies minor program, the student determines a sequence of six courses that address faith and social justice issues. For more information please visit http://www.sju.edu/faithjusticestudies.

Faith-Justice courses must fit one or more of the following criteria:

- Engage students directly with the “sufferings of the poor” and explore the call, not only to serve them, but also to stand in solidarity with them.

Special Programs
• Invite students to analyze institutions social structures and to question prevailing systems of thought or action which systemically contribute to modern-day social problems (poverty, racism, human rights violations, violence).
• Challenge students to consider existing social values and priorities in light of Gospel values and faith-based traditions of social justice.

Faith-Justice Studies Minor
For the Faith-Justice Minor requirements please see here (p. 266).

The Washington Center Internship Program
Through The Washington Center for Internships and Academic Programs (TWC), Saint Joseph’s University offers a unique experiential learning program for students interested in semester-long and summer internships in Washington D.C. TWC is a nonprofit, nonpartisan educational organization that provides integrated academic and work experience aimed at preparing students for careers in private, public, and related professions.

As participants in the program, students spend a semester or a summer in our nation’s capital where they gain valuable career experience working as an intern, taking a class specific to their major and professional field of interest, and engaging in a Leadership and Service Forum, all while retaining full-time SJU status. The program is open to all majors and disciplines, runs year-round, provides guaranteed housing in a state-of-the-art facility, and includes training in leadership and professional skill-building.

TWC offers a variety of internships through hundreds of private, public, and non-profit organizations, and students are able to choose from seven different professional tracks that cater to their interest and career aspirations:

• Advocacy, Service & Arts
• Business & Global Trade
• International Affairs
• Law & Criminal Justice
• Media & Communications
• Politics & Public Policy
• Science, Technology & Society

Recent SJU student internship placements include:

• The State Department,
• TeachAmerica,
• Pan American Health Organization Foundation,
• Center for Security Policy,
• Department of the Interior,
• Federal Trade Commission,
• Peace Corp,
• Metropolitan Police Department,
• Amnesty International,
• and many private law firms, think tanks, lobbying firms, and congressional offices.

To learn more about The Washington Center Internship Program at SJU, contact Dr. Becki Scola, the campus liaison/coordinator, at bscola@sju.edu, or visit http://www.sju.edu/centers/washington-center.

Office of International Students and Scholars
ISS is responsible for meeting the needs of international students from the time they apply until they graduate. ISS serves as the primary advising office for non-academic issues for international students. Areas of assistance for international students include:

• Initial issuance of the I-20 form to apply for a student (F-1) visa
• Issuing the DS-2019 form to apply for an exchange visitor (J-1) visa
• Organizing orientation for international students and other cross-cultural activities
• Signing immigration documents for travel in and out of the United States
• Assisting with change of status applications to F-1 status
• Processing the immigration paperwork for off campus work permission requests
• Helping with social security and driver’s license applications
• Assisting international students in acclimating to SJU and Philadelphia

The Office of International Students and Scholars is located in the Campion Student Center, room 217, and is open Monday through Friday, 9am to 5pm. Please visit the website for more information: sju.edu/iss.
COLLEGE OF ARTS AND SCIENCES

Arts and Sciences Leadership

Dean: Shaily Menon, Ph.D.

Associate Dean, Education Division: John Vacca, Ph.D.

Associate Dean, Humanities Division: Shawn M. Krahmer, Ph.D.

Associate Dean, Mathematics Natural Science & Computer Science Division: Jean M. Smolen, Ph.D.

Associate Dean, Social Sciences Division: Matthew J. Anderson, Ph.D.

Executive Director, Graduate Arts and Sciences: Mary Ellen Hickes, M.A.

CAS Advising Support Center
Director: Celina Gray, Ph.D.
Assistant Director: Quanda Garrison, M.B.A.

Professional and Liberal Studies Advisor Center
Director: Maria Beazley, M.A.
Assistant Director: Marita Hurst, M.Ed.

Mission

As the intellectual heart of Jesuit education at Saint Joseph's University, the College of Arts and Sciences invites students into a community of life-long learners who lead by example, living purposefully for the greater glory of God in service to and with others. To this end, we expand minds, advance knowledge, nurture humane values, and inspire imaginations.

Degrees and Certificates

The College of Arts and Sciences offers the following degrees and certificates:

Degree-Granting Programs:
Associate's Degree (A.D.)
Bachelor of Liberal Studies (B.L.S)
Bachelor of Arts (B.A.)
Bachelor of Science (B.S.)
Master of Arts (M.A.)
Master of Science (M.S.)
Doctor of Education (Ed.D.)

Non-degree Programs:
Certificate of Proficiency (C.P.)
Post-Baccalaureate Certificate (P.B.)
Post-Masters Certificate (P.M.)

Undergraduate Day Programs

Majors:
The following majors are offered in the Undergraduate College of Arts and Sciences:

- Actuarial Science (p. 54)
- Art (p. 64)
- Asian Studies (p. 75)
- Autism Behavioral Studies (p. 78)
- Biology (p. 85)
- Chemical Biology (p. 100)
- Chemistry (p. 102)
- Communication Studies (p. 129)
- Computer Science (p. 134)
- Criminal Justice (p. 145)
- Early Childhood/Elementary Education (PreK-4) (https://academiccatalog.sju.edu/arts-sciences/education-unit/elementary-education-pk-4)
- Economics (p. 156)
- Elementary/Middle Education (4-8) (https://academiccatalog.sju.edu/arts-sciences/education-unit/middle-years-education-4-8)
- English (p. 239)
- Environmental Science (p. 260)
- Francophone Studies (p. 347)
- French (p. 348)
- German (p. 349)
- History (p. 288)
- Information Technology (p. 141)
- Interdisciplinary Health Services (p. 284)
- International Relations (p. 301)
- Italian (p. 350)
- Italian Studies (p. 309)
- Linguistics (p. 309)
- Mathematics (p. 316)
- Music (p. 361)
- Philosophy (https://academiccatalog.sju.edu/arts-sciences/%20https://nextacademiccatalog.sju.edu/arts-sciences/philosophy)
- Physics (p. 389)
- Political Science (p. 396)
- Psychology (p. 408)
- Religious Studies (p. 447)
- Secondary Education (7-12)* (https://academiccatalog.sju.edu/arts-sciences/education-unit/secondary-education-7-12)
- Sociology (p. 424)
- Spanish (p. 352)
- Special Education (PreK-8)* (p. 233)
- Theatre and Film (p. 362)
- Theology (p. 434)

Minors

Students may obtain a minor in most majors and in the following interdisciplinary programs:

- Africana Studies (on hiatus)
- American Studies
- Animal Studies
- Art History
- Behavioral Neuroscience
- Chinese Language and Culture
- Creative Writing
- Educational Studies
• Environmental and Sustainability Studies
• Faith Justice Studies
• Film Studies
• Gender Studies
• Interdisciplinary Health Care Ethics
• Journalism
• Justice, Ethics, and the Law
• Latin American Studies
• Medieval, Renaissance, and Reformation Studies
• Music Industry
• TESOL (Teachers of English to Speakers of Other Languages)
• Theatre Studies
• Theology and Religious Studies

Adult Undergraduate Programs
Bachelor of Liberal Studies Degree
Majors in:

• Criminal Justice Studies (p. 151)
• Early Childhood/Elementary Education Pre-kindergarten-4th grade (p. 204)
• English and Professional Writing (p. 253)
• General Studies — concentrations in:
  • Autism Studies (online) (p. 270)
  • Humanities (p. 272)
  • Professional Studies (traditional (p. 269) and online (p. 269))
  • Social Sciences (p. 270)
• Health Administration (p. 280)
• Organizational Development and Leadership (https://academiccatalog.sju.edu/arts-sciences/organizational-development-leadership-bls)
• Psychological Studies (p. 417)

Associate Degree
• Major in Liberal Arts (p. 53) (Please note: As of Spring 2017, applications are no longer being accepted for this program).

Certificate Programs
• Certificate of Proficiency offered in Autism Studies (p. 80)
• Post-Baccalaureate Certificate in Autism Studies (p. 81)
• Post-Baccalaureate Certificate in Pre-Health Science. (p. 287)

Graduate Program Offerings
Doctor of Education (Ed.D.)

Interdisciplinary Doctor of Education Leadership (Ed.D.)

Major: Educational Leadership
Concentrations:
Basic Education K-12
Basic Education K-12 & Superintendent’s Letter of Eligibility
Higher Education

Master of Arts and Master of Science Degrees

Biology M.A (p. 96). & Biology M.S (p. 97).

Major: Biology

Computer Science M.S.

Major: Computer Science (p. 142)
Concentrations:
General
Web and Database Technologies
Cybersecurity

Criminal Justice M.S.

Major: Criminal Justice (p. 151)
Concentrations:
Behavior Analysis
Behavior Management
Federal Law Enforcement
General
Homeland Security
Intelligence and Crime Analysis

Education M.S.

Majors:
Early Childhood/Elementary (https://academiccatalog.sju.edu/arts-sciences/education-unit/msed-education-early-childhood-education-pk-4)
Education PreK-4

Major: Educational Leadership (p. 226)
Concentrations:
Curriculum Supervisor
General
Principal Certification
Supervisor of Special Education

Major: Elementary Education/Middle School 4-8 (https://academiccatalog.sju.edu/arts-sciences/education-unit/msed-elementary-middle-years-education-4-8-certification)
Concentrations:
Language Arts
Mathematics
Mathematics & Language Arts
Mathematics & Science
Mathematics & Social Studies
Science
Science & Language Arts

Major: Instructional Technology Specialist (p. 229)

Major: Professional Education (Non-Certification) (p. 162)

Major: Reading Specialist PK-12 (p. 229)
Concentrations:
English as a Second Language Endorsement

Major: Secondary Education 7-12 (https://academiccatalog.sju.edu/arts-sciences/education-unit/msed-secondary-education-7-12-certification)
Concentrations:
Biology
Chemistry
Citizenship Education
English
General Science
Mathematics
Physics

**Major:** Special Education PreK-8 (p. 235) or 7-12 (https://academiccatalog.sju.edu/arts-sciences/education-unit/special-education-7-12-certification)

**Concentrations:**
- Autism Spectrum Disorder Endorsement
- General
- Wilson Reading Program

**Major:** Teacher of the Deaf and Hard of Hearing PK-12 (p. 206)

**Major:** Special Education (without certification) (p. 231)

**Concentration:** Behavior Analysis

**Health Administration M.S.**

**Major:** Health Administration (p. 281)

**Concentrations:**
- General
- Informatics
- Organization Development & Leadership

**Health Education M.S.**

**Major:** Health Education (p. 282)

**Concentration:** Behavior Analysis

**Organization Development and Leadership M.S.**

**Major:** Organization Development and Leadership (p. 365)

**Concentrations:**
- Adult Learning & Training
- Organization Psychology & Development
- Organizational Dynamics & Leadership

**Psychology M.S.**

**Major:** Psychology (p. 417)

**Mathematics Education M.S.** (without certification)

**Major:** Mathematics Education (p. 322)

**Writing Studies M.A.**

**Major:** Writing Studies (p. 256)

**Non-Degree Programs**

Behavior Analysis (Major: Criminal Justice) Post Masters Certificate

**Graduate Education/Administrative Certification Preparation Programs**

- Autism Spectrum Disorder Endorsement
- Instructional Technology Specialist
- Principal Certification
- Secondary Education 7-12
- Special Education Pre K-8 or 7-12
- Supervisor of Special Education
- Superintendent’s Letter of Eligibility
- Teacher of the Deaf and Hard of Hearing PreK-12
- Wilson Reading Program

1 Requires choice of concentration.

*See concentration listings under master’s program listings. Concentrations are a coordinated grouping of graduate courses, representing a sub-specialization or emphasis within a major field available for students majoring in that discipline.*
GRADUATE COLLEGE OF ARTS AND SCIENCES

Graduate College of Arts and Science
Dean: Shaily Menon, Ph.D.

Associate Dean, Education Division: John Vacca, Ph.D.
Associate Dean, Humanities Division: Shawn M. Krahmer, Ph.D.
Associate Dean, Mathematics Natural Science & Computer Science Division: Jean M. Smolen, Ph.D.
Associate Dean, Social Sciences Division: Matthew J. Anderson, Ph.D.
Executive Director, Graduate Arts and Sciences: Mary Ellen Hickes, M.A.

Mission
Graduate programs within the College of Arts and Sciences are at the heart of the mission of Saint Joseph's University, and reflect the expansive nature of our educational philosophy. We offer a doctoral program, 15 master’s degrees and non-degree programs to help students achieve academic growth and personal advancement.

Admission, Registration and Enrollment Policies
The College of Arts and Sciences encourages applications from a diverse population and values diversity in our graduate programs. Admission to a graduate program is made by the Graduate Program Directors and Academic Department Committees. The basis of admission includes a variety of information submitted as part of the student’s application file. Admissions committees consider factors such as students’ academic qualifications, research and work experiences, professional goals and skills, match with program objectives and professional qualifications, and the number of openings available in the program.

Admission to all graduate programs within the College of Arts and Sciences is competitive. Applicants should note that meeting the minimum requirements does not guarantee admission to a graduate program. Applicants are evaluated with respect to university and departmental requirements and with respect to the pool of available applicants.

Contact Information:
Graduate Studies
College of Arts and Sciences
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131
Telephone: 610-660-3131
Fax: 610-660-3230
Email: gradstudies@sju.edu

Graduate Program Admission Requirements
The minimum requirements are:

For Master’s Degree Candidacy:
A bachelor’s degree (based on a four-year curriculum) conferred from a regionally accredited college or university. Grade point average, testing requirements (if required by program), and academic criteria pertain as specified by the program for which you are applying.

For Doctoral Candidacy:
Admission to the doctoral program requires that students must have obtained the equivalent of a bachelor and master’s degree from a regionally accredited institution or its international equivalent, before the start of the term for which the student is admitted.

For Post Master’s Certificate Candidacy:
The Post-master’s certificate offers continuing education for graduates who have earned a bachelor’s and master’s degrees and follow the same grade point average and application requirements as a master’s degree.

For Graduate Teacher or Education Administrative Certification or Endorsement Candidacy:
This is a non-degree program following the same admission requirements as the master’s degree.

Application Instructions
Domestic candidates (U.S. Citizens, Permanent Residents, Refugees & Asylees) and international non-citizen candidates must complete and submit the online graduate application, http://www.sju.edu/gradapply along with all required credentials, supporting documents, and the required application fee paid within the online application form. Ed.D. candidates are required to pay a $100 application fee.

Applicants for master’s or certificate program admission must possess a bachelor’s degree from a regionally-accredited institution and must provide evidence of their ability and preparedness necessary for the satisfactory completion of graduate work. Domestic students who have received degrees from outside the United States should review our International Admissions section below for information on required documentation. All documents submitted in support of an application will become the property of the University and are not returnable.

Specific requirements differ among the programs, and students are advised to consult the appropriate program requirements listed in each program section.

Application Deadlines
The majority of graduate programs offered by the College of Arts and Sciences offer admission on a rolling basis. Under rolling admission, candidates are invited to submit and complete their applications to the university any time before the start of the term.

The academic departments and the Graduate Program Director will then review the application and notify the applicant of their decision within two weeks from the time the application is rendered complete. However, due to time constraints and availability of appropriate courses, we suggest that students complete their applications by the priority consideration dates listed below.

Domestic Students
• Domestic applicants are recommended to submit their application 30 days before the department/program deadline.
International Students
• International applicants residing outside the US will require an F-1 Visa. They are recommended to apply for the F-1 visa 90 days days in advance of the first day of classes.

Programs with Special Admission and Enrollment Deadlines
Programs with Fall Semester Admission Only
M.S. Psychology
All applicants to the M.S. Psychology program must complete their application by March 1st with rolling admissions after that pending space availability. The M.S. Psychology program admits and enrolls new students in the fall semester only.

Interdisciplinary Doctor of Education Program for Educational Leaders (IDEPEL), Ed.D.
Applicants for the IDEPEL Ed.D. program must complete their application by June 15 with admission after that pending cohort space availability. The Ed.D. in Educational Leadership admits and enrolls students on a cohort schedule which begins each fall semester.

Programs with No Summer Term Admission
The following programs do not offer new student admission in the summer term
• M.A. Biology (fall and spring admission only)
• M.S. Biology (fall and spring admission only)
• M.S. Computer Science (fall and spring admission only)

Please visit the individual program sections in the academic catalog for further information on restrictions and required admissions documents.

Application Process & General Requirements
• A completed graduate application with all supporting documents as required by the program you are seeking admission.

All programs require the following documents. Please see program of study for any additional specific requirements.
• Completion and submission of an online application form: http://www.sju.edu/gradapplynow
• Required uploads of curriculum vitae/professional resume, personal statement, and names and emails of providers of letters of recommendation.
• Official transcripts from all previous institutions where college level coursework was taken (undergraduate and graduate).

Mailing address for application documents:
Saint Joseph’s University
Enrollment Operations
5600 City Avenue
Philadelphia, PA 19131

Admission Decisions
The final admission decision is made by the graduate program admission committee or program director. The Graduate Studies Office helps to process your application materials and when your application is complete it sends them to the program for review by the faculty. Admission decision letters are sent from the graduate program.

Admission Notification and Enrollment Confirmation
Applicants who are offered admission can expect to receive notification of their decision by email. The email includes an SJU student ID, instructions on confirming enrollment and information about first-time registration. Unless indicated otherwise in the offer email, applicants have up until the start of the term in which to accept, decline, or defer the offer of admission by confirming enrollment through the following website: www.sju.edu/confirm. Unless a deferral is granted (see below), each graduate program offers admission with the expectation that students will enroll in courses in the semester for which they are admitted.

Deferral of an Offer of Admission
Admitted students may decide to defer admission into a program for up to one year from the semester for which they were admitted. Admitted students cannot defer admission once they have registered for a course in a graduate program. Financial aid, scholarship, and graduate assistantships are not automatically deferred. Please inquire with the Graduate Studies Office before requesting a deferral.

Students with deferred admission status who wish to extend their deferral beyond the initial one-year period must submit a written request to Graduate Studies Office by emailing gradstudies@sju.edu.

The decision to grant a deferral beyond the one-year time period is at the discretion of the Graduate Program Director and the Academic Department. Students with deferred admission status who have requested an extension of their deferral will be notified via email as to whether their request has been approved or denied.

Students with deferred admission status cannot register for courses. Students with deferred admission status who wish to change their deferred status—for example, to enroll in a course before their official period of deferment expires or to withdraw their application from a program completely—should contact both their graduate program director and the Office of Graduate Studies.

Graduate Program Admission Decisions
AF—Accept Full
Student’s application is complete and the student is fully admitted. Any registration holds have been removed allowing registration through program completion.

AV—Accept Provisional Status
Provisional admission status is a temporary status awarded for one semester to applicants whose previous academic record shows academic potential but contains certain deficiencies or who lack certain prerequisites. A student accepted for this status must demonstrate the ability to do graduate work at a high level of achievement at Sju before being considered for full graduate standing.

Provisionally admitted students are required to complete two courses of graduate work with a minimum earned GPA of 3.0 or better or in the case of a full-time student, the first semester of work with three courses with earned grades of B or better. This is a temporary classification in which a student may remain for one semester following admission and no longer. If the conditions of the provisional admission are not met within this time, it may result in termination from the academic program.

AC—Accept Conditional Status
This classification is used in the following two scenarios:
Admission for Undergraduates in a Final Semester
Applications from undergraduate students who have yet to complete course work for their bachelor's degree will only be processed if the student is in his/her final semester of undergraduate study. Admission to graduate programs for these students will be on a conditional basis, and the student will be required to furnish a final transcript for their undergraduate work documenting degree conferral by the first day of the semester. The final transcript will be reviewed by the graduate program department in which the student has conditionally been admitted, and if acceptable, the student's admission status will be changed to full admission standing.

Incomplete Application
Student’s application is not complete, but he/she is allowed to register for up to 6 credits in the first semester. Typically, at least an application form and unofficial transcript have been received. A registration hold is activated after the initial semester if the file is not complete and admission status is not updated to full admission (via the Registrar’s office).

RE—Rejected/Not Accepted - Applicant has been denied. Please note that the graduate program is not required to provide applicants explanations concerning admission decisions.

Graduate Non-Degree Credit Admission (Isolated Credit and Visiting Students)
Graduate non-degree applicants may enroll in graduate-level coursework for professional development, certification, and personal enrichment. Under this classification, students are admitted to the University, but not to a specific degree-granting, graduate program. Non-degree or isolated credit applicants must complete the online graduate application process.

Non-degree students are not eligible to take graduate courses in all programs. Non-degree students should seek the permission of the Graduate Program Director in the department offering the course(s) before applying. A maximum of 6 credit hours of coursework taken as a non-degree student may apply toward the credit requirement of the degree program.

Requests for degree credit for courses completed as a non-degree student are considered for admission to a graduate degree program. All non-degree course work accepted for degree credit must be approved by the program director of the student’s department.

Credit earned while enrolled in a graduate certificate program may be transferred into a degree program with the approval of the unit offering the degree program.

Special Admission Policies
Re-admission for Previously Enrolled Students.
A graduate student who has not completed a program of study and has not met the College’s continuous enrollment policy retains active student status for three semesters from the date of last enrollment. Graduate students who are enrolled in a degree-seeking program and no longer have active student status must submit a new application form.

Please contact the Graduate Studies Office for more information, gradstudies@sju.edu

Applying to More Than One Program
If an applicant chooses to apply to more than one graduate program, the applicant must submit a separate application for each program. Applicants pursuing this are required to contact the Graduate Studies Office to have application materials applied to more than one application. Applicants may be required to submit additional materials based on each program’s admission requirements.

Transfer of Credit: Graduate Level
Request for the evaluation of graduate transfer credit must be made at the time of application or admission. Only students admitted into a master’s program of study may be evaluated for transfer of credits. With the approval of the Graduate Program Director, students may transfer up to six hours of graduate-level work into graduate programs that are 30 credits or more in length.

Course credit may be transferred only from graduate programs at regionally accredited institutions and only courses with a grade of B or better may be transferred. Courses with grades of B- or lower will not be evaluated for transfer. Course credit may not be transferred into graduate certificate programs or the doctorate of education (Ed.D.) program.

Applicants must submit an official transcript, course description, and syllabus. Courses taken more than five years prior may not be accepted for transfer credit unless approved by the academic department. Continuing education credits will not be considered for transfer credit.

Admission to New Program of Study Following Graduation/Degree Program Award or Completion
Directly following the award of a degree or completion of the program, a student’s record will be inactivated to prevent further registration under the completed program record.

Students in both cases will be required to resubmit a new online application form with a new personal statement to be eligible to register for courses. Transcripts, letters of recommendation and testing (e.g. GRE, TOEFL, IELTS) scores less than five years old that are on file at the University may be transferred to the new application. Students applying for readmission should contact the Graduate Studies Office for additional instructions: gradstudies@sju.edu or 610-660-3131

Readmission After Withdrawal or Dismissal
When seeking readmission, students who have voluntarily withdrawn from the University are required to reapply. Students who have been dismissed from a Graduate Arts and Sciences program due to failure to meet academic progress or because of an academic integrity violation may not reapply to their previous program or any other graduate program offered by the College of Arts and Sciences.
Admission of SJU Undergraduates to Fifth Year Master’s Programs

Admission must be approved by the department in which the master’s degree is sought. A student must be enrolled as an active Saint Joseph’s University undergraduate student at the time of application to be considered. Please reference the academic program description for more information on fifth-year application and requirements.

Return of Application Documents

All documents submitted in support of a graduate application will become the property of the University and are not returnable.

International Student Admission Policy

Application Instructions

International students (seeking or holding non-immigrant visas) intending degree-seeking study must complete the online graduate application, along with all required credentials, supporting documents, and the required $35 USD application fee directly to the Enrollment Operations Office.

Saint Joseph’s University
Enrollment Operations
5600 City Avenue
Philadelphia, PA 19131

To be admitted to a master’s degree or program, students must submit a formal application. At minimum, this will include:

- The Online Application Form
- Personal Statement
- CV or Résumé
- Two signed letters of recommendation
- Official transcripts from all post-secondary institutions attended translated into English or a comprehensive course-by-course evaluation from an authorized international credential agency
- $35 USD application fee
- Evidence of English Language Proficiency
- Any additional required documents as specified by the applicant’s graduate program.

International applicants will receive an admissions decision only after all of the required documents have been received.

All documents submitted in support of an application will become the property of the University and are not returnable.

Suggested application deadlines for international students residing outside the United States who will require the processing of an I-20 form and to secure an F-1 or J-1 visa are as follows:

International Applicant Priority Deadlines for Submitting an Application who reside outside the U.S. and require an F-1 visa:

- Fall (August): July 15
- Spring (January): November 15

International applicants currently residing in the United States and if admitted are seeking to transfer visa status should consult with the Office of International Students and Scholars. For more information on eligibility, email: internationalstudents@sju.edu

Application Term Restrictions: Summer Admission

Graduate programs within the College of Arts and Sciences do not offer admission to international applicants for the summer term because graduate programs do not support full-time enrollment status during the summer terms.

Application Program Restrictions: Graduate Education Programs

Due to state regulations for teacher certification, international students (non-citizens) are not eligible to apply to the following graduate programs:

M.S. or Certification

- Art Education K-12
- Autism Spectrum Disorder Endorsement
- Foreign Language K-12
- Elementary Education PK-4
- Elementary/Middle Education 5-8
- ESL Endorsement
- Secondary Education 7-12
- Reading Specialist
- Special Education
- Wilson Reading Program
- Curriculum Supervisor
- Principal Certification
- Superintendent’s Letter of Eligibility

Credential/Document Evaluations

International applicants are not required to submit international credentials evaluation. An evaluation may be performed by the University. However, applicants who already possess or wish to obtain a course-by-course evaluation of their transcripts from an authorized international credential evaluation service are directed to submit this in place of original transcripts.

Applicants may elect to use an authorized credential evaluation agency for an evaluation of their academic credentials, an assessment of the overall grade point average, and a course-by-course evaluation. The official course-by-course evaluation should be sent to the Enrollment Operations instead of academic transcripts. Evaluations should be sent by the agency to:

Saint Joseph’s University
Enrollment Operations
5600 City Avenue
Philadelphia, PA 19131

Because fees and documents required for evaluation may vary by agency, applicants are encouraged to contact the agencies directly for additional information.

The following is a sample list of recognized credential evaluation agencies:

World Education Services, Inc.
Bowling Green Station
PO Box 5087
New York, NY 10274-5087
Telephone: 212-966-6311
Fax: 212-739-6100
but not limited to:

the following requirements will satisfy English language proficiency

Demonstration of English Language Proficiency by Non-native-speaking Applicants

Students are required to provide evidence of English proficiency if their spoken native language is not English. Fulfillment of any one of the following requirements will satisfy English language proficiency requirements.

- Submission of one of the following: TOEFL paper-based score of 550, a computer-based score of 213, or an internet-based score of 80. An IELTS score of 6.5 is also acceptable.
- Possession of a bachelor’s or master’s degree equivalent from a recognized institution located in a country where English is the native language.
- An earned bachelor or master’s degree from a college or university in the U.S.
- Citizenship from a country in which English is recognized as a national language.
- Successful completion of Level 112 of the Intensive program at an approved ELS Center accompanied by a letter of recommendation from the Academic Director. To find a list of approved ELS centers visit www.els.edu (http://www.els.edu).

Graduate Program Directors and admission committees reserve the right to require additional evidence of English language proficiency included but not limited to:

- An in-person or telephone interview (for example, via Skype) with a faculty or admission committee member
- A writing sample certified to be the applicant’s own work

Student Visa Status

International students applying for F or J visa status must also submit:

- Proof of their ability to meet their financial obligations while pursuing graduate studies at the University in the form of a letter from a bank stating that sufficient funds are available to finance all educational and living expenses for the first year of study.
- A letter of financial support signed by the sponsoring person or agency.
- Official test scores – English Language proficiency for all non-native speakers of English.
- GRE test scores are required for MA/MS-Biology and MS-Psychology programs only.

The I-20 immigration form, necessary for securing an F-1 visa, or the DS-2019 form, necessary for securing a J-1 visa, is issued by the Office of International Students and Scholars only to a student who has been accepted to the University and provides current documentation of financial support, as required by US immigration authorities. International graduate students in F and J status must maintain full-time enrollment (9 credits) during both the fall and spring semesters.

The University observes all regulations of the student’s home country regarding foreign exchange.

All F-1 and J-1 international students must register for the student health insurance plan or show evidence of alternate, equivalent coverage. In most cases the plan provides coverage for one year beginning in late August. Students can obtain an insurance application form which must be completed and returned to the Office of International Students and Scholars. International students in any other immigration status can pick up an application from the Office of International Students and Scholars and return it with payment directly to the insurance company.

Individuals on a B non-immigrant visa (both B-1 business and B-2 pleasure visitors) are prohibited by immigration regulations from enrolling in a course of study while holding B status. They must first be granted a change to the appropriate student status by US Citizenship and Immigration Services (USCIS). Otherwise, the non-immigrant would be considered to be in violation of B status.

The F-2 spouse of an F-1 student may not engage in full-time study. An F-2 child may only engage in full-time study if the study is in an elementary or secondary school. The F-2 spouse and child may engage in study that is a vocational or recreational in nature. To pursue any other type of studies, the F-2 must first be granted a change to the appropriate student status by US Citizenship and Immigration Services (USCIS). Otherwise, he/she would be considered to be in violation of F-2 status.

The Center for International Programs does not consider part-time or full-time coursework leading to a degree to be a vocational or recreational in nature.
Academic Policies and Procedures

Classification of Students

Matriculated Students
Students who have met all admission entrance requirements and are accepted with full standing into a degree program are classified as matriculated students.

Non-degree/Isolated Credit Students
Students who have not been formally accepted into a graduate program may be allowed by the appropriate graduate director to take courses as isolated credit students. Normally, no more than two graduate courses taken under this classification may be applied to a degree program. Students seeking to apply for isolated credit status are subject to the same admission standards as degree-seeking applicants.

Visiting Students
Students in good standing in a graduate program at another accredited educational institution may take graduate courses on a visiting student basis if they provide a letter from the head of the graduate program of their degree-granting school stating that they are in good standing and that the institution will accept the course for credit. Visiting students must complete a graduate school application and pay the appropriate application fee.

Enrollment Status: Full-Time vs. Part-Time
The University defines full-time graduate student status as enrollment for nine (9) or more credits; part or half-time graduate student status is defined as eight (8) or fewer credits in a semester. The minimum number of credits a graduate student must be enrolled in to be eligible to apply for loans under the federal financial aid system is six (6) credits per semester or term.

Immigration law requires that international students be enrolled at the full-time status in the fall and spring semesters.

Grading System
Please refer to the General Information and Graduate Level Grades. Note: The SJU Graduate Grading Scale was changed effective in the Fall 2016 semester.

Academic Advising
The Graduate Program Director of each academic program is responsible for the academic administration of the unit graduate program(s) and academic advising and mentoring of students. A listing of Graduate Program Directors is available on the SJU web by visiting http://www.sju.edu/int/academics/cas/grad/advising.html

DegreeWorks Advisement Tool
DegreeWorks is an accessible and user-friendly advisement tool. It provides students and graduate program directors/advisors with an organized outlook degree plan evaluation. It is aimed to help the student progress through his or her degree plan efficiently. DegreeWorks compares the student’s academic history with the degree requirements outlined in the University catalog. You can use it to track your academic progress toward a degree, review the requirements you have completed and plan the courses you can take to complete your remaining requirements.

DegreeWorks provides students with access to their unofficial degree audit which lists information regarding their current program(s) of study including institutional requirements, general education requirements, major requirements and concentrations.

When using DegreeWorks, students will be able to:

• See degree requirements for their major(s), minor(s) and concentrations (where applicable)
• See how completed courses and courses in progress apply to degree requirements
• Identify courses needed to complete their degree
• View their grades and academic standing
• Create What-If audits to view requirements if intending to change current curriculum
• Estimate how many semesters it will take to graduate
• View how transfer credits are used to satisfy degree requirements

Important Note: DegreeWorks is designed to aid and facilitate academic advising, but is not intended to replace individual academic advising sessions. DegreeWorks is neither an official academic transcript nor an official notification of completion of degree requirements.

Students should view DegreeWorks throughout the academic year.

• Before you meet with your graduate program director or academic advisor to discuss registration for an upcoming semester.
• After you register to ensure that the courses you selected applied to your degree requirements.
• After your grades for each semester are posted.
• Any time you make a change to your schedule.

DegreeWorks is accessible by logging into the student self-service portal, the SJU Nest, nest.sju.edu.

All questions regarding DegreeWorks for a specific program should be directed to the student’s Graduate Program Director.

Academic Standing

Good Academic Standing
Good Academic Standing is defined as:

• Students enrolled in master’s or non-degree programs who maintain a 3.00 or above cumulative GPA, as calculated at the end of the Fall, Spring, and Summer terms.
• Students enrolled in the doctoral program who maintain a 3.50 or above cumulative GPA, as calculated at the end of the fall, spring, and summer terms.

Academic Levels of Progress
The College of Arts and Sciences maintains a variety of degree-granting programs at the graduate level. As a result, some graduate programs define the parameters for retention, probation, and dismissal differently, as indicated below.

This policy described below defines the minimum academic levels of progress used to determine academic standing for graduate students in the College of Arts and Sciences and explains standards and processes to address situations of academic probation, dismissal, and appeal.
Master’s Degree & Certificate Level Programs

Academic Standing
Graduate students are expected to maintain a 3.00 or higher term and cumulative grade-point average (GPA), as calculated at the end of the fall, spring, and summer terms.

Graduation
Graduate students must achieve an overall grade point average (GPA) of at least 3.00 in graduate courses taken at Saint Joseph’s University to graduate.

Provisional Admission & Academic Standing and Retention
If a student has been provisionally admitted to a program and fails to meet the requirements necessary for regular admission into a program, he/she may be denied regular admission to the program without a probationary period. Please refer to the Provisional Admission policy for more information.

Satisfactory Academic Progress (SAP)
In addition to the academic levels of progress outlined in the Policy, graduate financial aid recipients are also required to meet the standards outlined in the Satisfactory Academic Progress (SAP) policy.

Satisfactory academic progress for financial aid recipients enrolled in degree programs is assessed annually at the conclusion of the spring semester. For eligible programs of one academic year or less, SAP is evaluated at the conclusion of the fall and spring semesters. Failure to maintain satisfactory academic progress will result in cancellation of financial aid awards and the subsequent repayment of the funds already received. Please visit www.sju.edu/hawkcentral for more information.

Academic Probation
Graduate College of Arts and Sciences master’s degree and certificate program students are placed on academic probation when their cumulative GPA falls below 3.00.

At the end of each semester or term, the University Registrar will notify the students who are either placed on academic probation or are academically dismissed via email. Probation notices will direct students to meet with their designated graduate advisor at the beginning of the probation period to create an academic improvement plan.

Graduate students placed on academic probation are given a maximum of two probationary semesters to raise their cumulative GPA to the minimum standard of 3.00. At the end of the semester or term in which probation was issued, the University Registrar will notify students when they are placed on continued academic probation or are academically dismissed.

Continued Academic Probation- Second Probation
When placed on academic probation, graduate students are given one probationary semester to raise their cumulative GPA. The graduate student has to achieve an overall GPA of 3.00 to be taken off probation, regardless of progress made during the probationary semester. Failure to do so will result in the student being placed on continued or second academic probation. If the overall GPA remains below 3.00 after a second probationary semester, the student may be academically dismissed.

Students on academic probation may be asked to repeat the course(s) that caused the cumulative GPA to drop below 3.00. The course(s) should be taken within the next two terms of enrollment after the academic probation status is applied. The Graduate Program Director will make this determination as part of the student’s performance improvement plan.

Academic Dismissal
The University reserves the right to refuse the privilege of further attendance to graduate students who fail to meet minimum academic requirements with or without a probationary period.

The University also reserves the right to change the requirements for retention and graduation for graduate or doctoral students, and every candidate for a degree or certificate program shall be held in compliance with changes, as far as the remaining portion of her or his course of study is affected.

Changes to the Academic Standards Policy
Effective fall 2016, all graduate programs in the College of Arts and Sciences will follow a minimum cumulative GPA standard for assessing retention, probation, dismissal and graduation standards.

If a graduate student’s cumulative GPA is below a minimum retention scale after one semester or remains below the required 3.00 minimum after a probationary period and the student fails to meet other requirements, he or she will be permanently dismissed from the University. Academically dismissed students are not eligible to enroll in coursework without an approval of reinstatement.

Levels of Academic Standing
Certain graduate programs in the College may have more stringent retention and dismissal standards. Students enrolled in these programs should consult with their program advisors for retention and graduation requirements.

Interdisciplinary Doctor of Education Program for Educational Leaders (IDEPEL)
All courses and requirements for the doctoral program must be completed within seven years from the first semester of enrollment in the program. Good Academic Standing is defined as a cumulative GPA of 3.50 or higher.

Master of Science in Psychology
Students enrolled in this program who receive two final course grades of C+ or below will be dismissed from the program.

Maximum number of Grades of C+ or Below
In addition to maintaining a 3.00 GPA for good standing and graduation, there is a maximum number grades of C+ or below that students may earn over the duration of their graduate programs.

Certificate Programs and Graduate Teacher & Administrative Certifications
Students enrolled in a certification bearing program requiring 16 or fewer credits who receive one final course grade of C+ or below will be dismissed from the program.
Students enrolled in a certificate or certification program requiring 18-30 credits who receive two final course grades of C+ or below will be dismissed from the program.

**College of Arts & Sciences Master’s Degree Programs (M.A. & M.S.)**

**30-36 credits**

Students enrolled in master’s programs requiring between 30-36 credits who receive a final course grade of C+ or below for three graduate courses (9 credits) will be dismissed from the program.

**42-48 credits**

Students enrolled in master’s programs requiring 42-48 total credits who receive four grades of C+ or below or (12 credits) will be dismissed from the program.

**Exceptions: IDEPEL Ed.D. and the M.S. in Psychology**

**Appeal of Academic Dismissal**

A formal written appeal may be submitted to the Graduate Program Director by a student based upon one or more of the following grounds:

- Violation of official policy or procedural error by academic or administrative personnel
- Special mitigating circumstances beyond the student’s control affecting the student’s academic progress.

These include the following circumstances that could prevent the student from completing the course satisfactorily:

- A severe illness or other debilitating condition
- A student who is primary care provider for a sick, injured, or needy person in family or friend circle
- The death of a family, friend or someone in his/her relationship circle
- The active duty service as a member of the National Guard or the armed forces of the United States.
- The change of the student’s work schedules beyond the control of the student.
- Other good cause as determined by the Dean of the College or his or her designee.

**Note:** Poor performance in coursework, poor work/study habits, missed deadlines, or change of major or concentration are not appropriate grounds for appeal.

A student submitting an appeal based on mitigating circumstances are also required to provide specific evidence in support of the issue or event that impaired the student’s academic progress.

The student must also provide objective documentation about the events or situations and their subsequent impact on his or her learning.

**Document Examples:**

- Newspaper notice, copy of death certificate or obituary
- Physician’s letter explaining a medical condition and its effects or medical records
- Photos, witness statements, a copy of police report, etc.
- Court documents, bail documents, letter from a lawyer, police, reports, etc.
- Clinic notes, prescription receipts, doctor notes are not considered sufficient documentation.

Students are not required to appear in-person for a formal appeal hearing.

**Time Frames for Academic Dismissal Appeal Review**

The Graduate Program Director should receive the formal written appeal within the dates listed on the dismissal notification communication.

Typically, the formal appeal should be concluded within ninety days of the date it was received by the Graduate Program Director.

**Note: A student’s Graduate Program Director is the single point of contact for all levels of academic appeal. A student with an active appeal should communicate with the Graduate Program Director only unless otherwise directed.**

Students who have been academically dismissed and have an active appeal are prohibited from registering for courses for a future term or semester.

**Graduate Dismissal Appeals Process**

**First Level Review**

Submitted academic dismissal appeal forms will be reviewed by the Graduate Program Director and Department Chair. The reviewers will make a decision to either recommend or reject the appeal. Recommended appeals will be forwarded to the second level of review. Appeals with a rejection status will be considered final, and the dismissal action will stand. The Graduate Program Director will notify the student in writing of the decision.

**Second Level Review**

If recommended for a second level of review by the academic department, an active appeal will be reviewed by the divisional Associate Dean. The Associate Dean will make a decision to recommend or reject the appeal for further consideration for the third level of review.

**Third Level Review**

The College of Arts and Sciences Graduate Appeals Reviews Committee headed by the Dean of the College constitutes the final level of review of an academic dismissal appeal. If an appeal is approved, the student may be considered for reinstatement to a graduate program with probationary standing.

If an appeal is denied, the dismissal action will stand. Students who have been dismissed from a Graduate Arts and Sciences graduate program due to failure to meet academic standards or because of an academic integrity violation may not reapply to any graduate program within the College of Arts and Sciences.

**Student Point of Contact during the Appeals Process**

At all phases of the appeal review policy, the student’s Graduate Program Director will serve as the point of contact for the student. Students will be notified by letter about the outcome of their appeal.

**Reinstatement**

Students who are approved for reinstatement will be placed on academic probation and must return to good academic standing within one semester or term.

Students approved to resume their current program of study may be required to repeat the course(s) with earned grades that caused their cumulative GPA to drop below 3.00. See course repeats policy. Please
reference the Course Repeat Policy under the policy section, Course Load, Course Overload & Course Repeat.

Additional conditions may be placed on students who have been approved for reinstatement including, but not limited to, referrals to learning resources support or tutoring, enrollment in the appropriate course(s), etc.

Reinstated students who fail to meet the specified criteria of the academic performance improvement plan, and/or do not attain a cumulative GPA of 3.00 or higher, or who obtain a term GPA of below 3.00 during the probation term will be academically dismissed without possibility of a second appeal or reinstatement.

Master’s Degree and Non-Degree Programs

Doctor of Education, Ed.D.

A student enrolled in the doctoral program must maintain a GPA of 3.50 to remain in the Ed.D. IDEPEL program. A GPA of 3.50 is required for students to be eligible to take the comprehensive examination. During the three years of coursework, in the event that a 3.50 GPA cannot be attained by the end of the three years of coursework, the student will be dismissed from the program.

Satisfactory Academic Progress (SAP Appeal)

Students who do not make satisfactory academic progress due to numerous course withdrawals, lack of continuous enrollment, or grades below B may no longer be eligible for Federal Financial Aid and will receive notification from Student Financial Services informing them of their option to file an SAP appeal. The student must file an SAP Appeal form with the Graduate Studies Office before an academic plan can be contemplated, and the appeal must be based on extenuating circumstances. The appeal will be reviewed to determine if an academic plan would allow the student to return to good standing. For a student’s appeal to be considered, the appeal must be submitted within a specified start of the traditional semester for which the student is requesting Federal Financial Aid and include the following: documentation of the extraordinary circumstances that led to the failure to meet the standards and the changes that will allow the student to return to good standing. Extenuating circumstances may include loss of job, a major financial life event, personal illness, illness or death of family member, or other special circumstances.

Grievance Procedure

Any student who has a concern regarding an academic matter may seek assistance. The procedure for resolving academic program concerns (see note of grade appeal process below) begins with the course instructor. A student who has a concern about a final course grade should first consult the grade appeal process in the following section.

If the student is not satisfied with the response or resolution achieved at this first level, or if speaking with the faculty member presents a conflict of interest for the student, the student should proceed to speak with his/her Graduate Program Director. If the student is not satisfied with the response or resolution achieved through the Graduate Program Director, the student should proceed to speak with the Department Chairperson.

If the student is still not satisfied with the response or resolution achieved through the Department Chair, or if speaking with the Department Chair presents a conflict of interest for the student, the next step is to request a review of the concern in writing to the Associate Dean. All requests to present a concern to an Associate Dean must be first summarized in writing in the form of a petition by the student and submitted to the attention of the Graduate Studies Office via email to gradappeals@sju.edu

A decision on a grievance by the College Dean represents a final level of review. At all stages of the process, the Graduate Program Director or representative designated by the Dean’s Office will serve as the point of contact for the student filing the complaint.

Grievance Non-Academic or Request for Assistance

Students are directed to consult with the Director of Adult Student Life, adultstudentlife@sju.edu, who serves as the ombudsperson and may assist students with referral and help to direct and resolve student concerns.

Appealing a Course Grade

The instructor for a course has the responsibility for setting the requirements for a course and making an evaluation of students’ work. Once a grade has been given, the instructor is not free to change the grade unless the instructor indicates to the Registrar that an error was made in the original grade transmitted. If a student believes that an error has been made, he/she must take the initiative in bringing about the necessary correction before the conclusion of the semester or immediately following the semester in which the course was taken.

The normal procedure for requesting a correction would be through direct discussion between the student and the instructor. If redress cannot be attained through such discussions, the student may next appeal to the Graduate Program Director. If resolution cannot be attained through appeal, the student may next appeal in writing to the Department Chair. All requests to present a concern to an Associate Dean must be first summarized in writing in the form of a petition by the student and submitted to gradappeals@sju.edu

Leave of Absence

Under special circumstances (illness, family hardship, work or military service, etc.), a student may request a leave of absence from his/her graduate program. Students are not permitted to enroll at another institution while under a leave of absence status.

Two years is the maximum time permitted for a leave of absence (LOA). After a two-year period, the student will be deactivated and will be required to re-apply to be considered for reinstatement to a program. Students are required to submit a completed ‘Graduate Leave of Absence’ form available at www.sju.edu/hawkcentral

Withdrawal Policies

Withdrawing from a Course or All Courses in a Semester

An approved leave of absence does not automatically cancel a student’s registration for courses. If enrolled for the term(s) included in the approved Leave, a student must drop/withdraw his/her registration(s). Failure to do so will result in billing and assigned grades for the term(s). Students are encouraged to complete the course withdrawal form available at www.sju.edu/hawkcentral. Students who have borrowed federal financial aid in the form of graduate loans are strongly advised to consult with an SJU Hawk Central Financial Aid representative to discuss how canceling registration through add/drop or withdraw will impact a student’s account and ability to re-enroll in a future term.

Hawk Central
Student Records and Financial Services
Phone: 610-660-2000
Email: hawkcentral@sju.edu

Withdraws
It is strongly suggested that you seek counsel from your Graduate Program Director or Advisor before submitting:

- Selective Course Withdraw - Withdrawing some but not all of your currently enrolled courses. Please complete the course withdraw form available on the www.sju.edu/hawkcentral and submit to hawkcentral@sju.edu.
- Withdraw from all Courses in a Semester - Please complete the course withdraw form for each course and submit to hawkcentral@sju.edu. If you will be taking a leave of absence, please complete the Leave of Absence form and submit this to hawkcentral@sju.edu.
- Total withdraw/Not returning to the University - Total withdraw from all courses with no definite plans to return to Saint Joseph's University. Please complete the withdraw form and student withdraw form available on the website: www.sju.edu/hawkcentral.
- Extraordinary or retroactive withdraw - Initiating the withdraw process after the withdrawal deadline due to exigent circumstances. Please complete the extraordinary withdraw form available on the website: (http://www.sju.edu/hawkcentral).www.sju.edu/hawkcentral

Dropping or Withdrawing from a Course
Dropping and/or withdrawing from a course can have financial and academic implications that should be taken into consideration when making this decision.

Changes in financial aid rules and veterans education benefits have further complicated the course withdrawal process; only trained representatives have the knowledge to help students make the best decision(s)—financially and academically.

Before dropping or withdrawing from a course, we suggest you speak to a financial aid representative from the Hawk Central Student Service Center, hawkcentral@sju.edu or (610) 660-2000.

Total Withdraw from the University:
A student may elect to file a total withdraw from a graduate program of study at Saint Joseph's after any outstanding tuition debt has been settled, and he/she is not liable for dismissal because of an academic violation or disciplinary action. Students are required to submit a completed "Graduate Arts and Sciences Withdraw from University" form to the Graduate Arts and Sciences Office at gradstudies@sju.edu.

Administration Withdrawal
Graduate students may be administratively withdrawn from the University, after due notice, for an academic or disciplinary action or failure to satisfy overdue financial obligations or to comply with administrative requirements of the University.

Registration and Student Record Policies
Course Load, Course Overload & Course Repeat

Course Load
Full-time graduate students are those who enroll for nine or more credits each semester. Part-time graduate students are those who enroll for less than full-time each semester as previously defined. A student who is employed full-time is encouraged to take two courses (6 credits) each semester, and must receive permission from the student’s Graduate Program Director before registering for three or more courses.

Course Overload
Requests to enroll in five courses (15 credit hours) in a fall or spring semester from a full-time graduate student with a cumulative grade point average (GPA) below 3.50 will not normally be approved. All graduate course overloads must be approved by the Graduate Program Director and Associate Dean. No overload requests will be considered for the summer term. Certain graduate programs restrict students from registering for more than 3 courses or 9 credit hours in the summer terms. Students enrolled in a first semester of graduate study are not granted permission to take course overloads.

Course Repeat
A graduate student may voluntarily repeat one course while enrolled in a program, and it can only be a course in which a grade of C or below was received. The course may be repeated only once.

Courses that students are required to repeat as part of their academic probation or reinstatement do not count as “voluntarily” repeated courses. When a course is repeated, both the original and repeated grade appear on the academic record; both grades will be used in calculating the grade point average. Course credit may be applied toward degree requirements only once, even if a course is repeated.

Continuous Enrollment
Continuous enrollment is defined as registering for a minimum of three (3) credits in at least one semester per academic year (fall, spring, summer).

This includes the three credit hours of graduate credit that are required for registration during the semester in which degree requirements are complete until the degree is attained or status as a degree-seeking graduate student is completed or terminated.

Student Record Deactivation: Non-Continuous Enrollment
After three consecutive semesters of non-attendance, a student’s record will be inactivated. Students with inactivated records should contact the University Registrar, hawkcentral@sju.edu or consult with the Graduate Program Director. Students who do not comply with the continuous enrollment policy will be required to apply for readmission after a two-year period.

Changing Graduate Program or Adding a Major Concentration
Active students in good academic standing may elect to change the program or add a major concentration (if applicable).

Acceptance into a new program of study is not guaranteed; the student must meet all eligibility requirements of the desired program and may be directed to submit an admission application. The student should also contact the Graduate Program Directors of both the previous and the desired program to review the student’s candidacy to the new program and to complete a program change form.

Students should also note that although the grades for courses taken in the previous program might not count towards graduation in the desired program, a student’s grade point average is cumulative. That...
is, the grades received in the first program will remain on the student’s transcript and will count towards the student’s cumulative GPA record.

**Double Counting of Courses**

Any student wishing to matriculate into another Saint Joseph’s University graduate degree or enroll in the second program of study is advised that, for each additional degree to be awarded, a maximum of 6 credits of graduate work at the 560 or above will be transferred.

**Cancellation of Courses**

The University reserves the right to cancel a course for which there is insufficient enrollment. When such a cancellation becomes necessary, students will be notified in advance and given the choice of receiving a full refund or enrolling in another available course without penalty.

**Time Limit & Graduation Policy**

**Degree Time Limitation**

After the establishing of degree candidacy, a maximum of five years will be allowed for the completion of the degree requirements. Under extenuating circumstances, a student may request an extension of this time frame.

The Doctor of Education has a separate policy for time limit based on coursework and dissertation requirements. There is a ten (10) year time limit for completion within the Ed.D. program. Each student is expected to make academic progress toward the degree or certificate to remain in good standing. A student who elects to take a leave of absence must complete a Graduate Leave of Absence University Form to the University Registrar’s Office, hawkcentral@sju.edu

**Requesting a Program Extension for Time Limit**

Graduate students in the College of Arts and Sciences are required to complete all degree requirements within five years. The Doctorate of Education has a separate policy for time limit based on coursework and dissertation (See doctoral handbook for more information).

Extensions beyond this limit may be made only with the Graduate Program Director’s recommendation and the approval of the Academic Department Chair, and then only for unusual and extraordinary circumstances. Students are required to contact their Graduate Program Director and submit in writing a request for an extension.

**Filing an Intent/Apply to Graduate Form**

Students who will complete all of the requirements for a degree in a given semester must submit a completed Apply-to-Graduate Form within the time specified under Academic Calendar. Failure to complete the application will result in student records being incomplete, and the awarding of the degree will not be recorded as part of the official record.

The Apply to Graduate form is located within The Nest (nest.sju.edu) the self-service student web portal, under Classes & Registration.

**Program Completion for Certification and Post Master’s Certificate Program**

Students enrolled in graduate level education certification preparation programs or certificate programs should seek instructions for application of completion from their academic program director.

Students who are completing graduate teacher and educational administrative certifications may request an official transcript to denote completion of a preparation program. Contact the Office of Accreditation and School Partnerships for additional information on submitting an application to the Pennsylvania Department of Education. Please contact the Education Unit Office of Accreditation, Certification and School Partnerships for more information on state certification processing and approvals.

Students enrolled in the Post Master’s Certificate program in Criminal Justice; Behavior Analysis should contact the Graduate Criminal Justice Office for information on applying to receive a certificate.

**Doctoral and Master’s Degree Conferral Verification and Diplomas**

Diplomas are issued three times a year—on September 15, January 15, and on the date of the Commencement exercise in May. Diplomas are mailed to students typically 8-10 weeks following the degree conferral date.

Commencement exercises are held annually in the spring (May). Graduates who earned their degrees in summer (September), fall (January), or are anticipated to complete a degree in spring (May) are eligible to participate in commencement exercises. Only students enrolled in master’s degree, or the doctoral degree program are invited to participate in commencement exercises.
UNIVERSITY ADULT
(PLS) PROGRAM IN THE
COLLEGE OF ARTS AND
SCIENCES

Dean: Shaily Menon, Ph.D.
Associate Dean, Education Division: John Vacca, Ph.D.
Associate Dean, Humanities Division: Shawn M. Krahmer, Ph.D.
Associate Dean, Mathematics Natural Science & Computer Science Division: Jean M. Smolen, Ph.D.
Associate Dean, Social Sciences Division: Matthew J. Anderson, Ph.D.
Executive Director, Graduate and Extended Studies: Mary Ellen Hickes, M.A.
Director, PLS Advising and Curriculum Planning: Maria Beazley, M.A.

PLS Advisor: Marita Hurst, M.Ed.

The College of Arts and Sciences Undergraduate Adult Program is known as the Professional and Liberal Studies (PLS) Program. Adult Education has been an integral part of Saint Joseph’s University since 1915, connecting the Jesuit tradition of academic excellence and service with the contemporary needs of adult learners. The PLS Program administers adult undergraduate Arts and Sciences degree programs, certificate programs, off-campus programs, summer session, January intersession, and non-credit offerings. PLS also works in partnership with select regional employers to provide quality programs that support the education and professional advancement of their employees. PLS has an administrative responsibility for undergraduate adult programs, with curricular and instructional decisions made by academic departments in the College of Arts and Sciences.

Mission

The Professional and Liberal Studies (PLS) program at Saint Joseph’s University embraces the experience of our diverse adult students and challenges them to adapt to the demands of a global society through engagement in an integrative curriculum built on a strong liberal arts foundation. The PLS community prides itself on sharing its Jesuit roots and Ignatian values of ethics, social justice, and care for the whole person. It is our vision for PLS students to further develop themselves as critical thinkers, skilled creators, and innovators within their professional and personal lives.

Student Profile

The College of Arts and Sciences PLS Program serves both full-time and part-time non-traditional-age students and part-time, traditional-age students who are pursuing their undergraduate education. Students enter PLS with or without having earned previous college credit. Some adult students enter PLS to complete a degree program after a delay from formal education. Work, family, and financial obligations influence the pace of adult and part-time students’ academic careers. Therefore, degree completion time varies. Other adult students have already earned undergraduate degrees and enroll in PLS for specific courses that will promote their professional advancement.

Degree and Certificate Programs

A list of programs offered through the PLS program can be found on the College of Arts & Sciences homepage (p. 32).

Degree and Certificate Programs

Bachelor degree requires successful completion of 40 courses and a minimum of 120 credits (see Curricula section). PLS students may also earn a Certificate of Proficiency or Post-Baccalaureate Certificate. The number of courses required varies depending upon specific certificate curriculum requirements. PLS students cannot graduate with more than one certificate or degree in the same field at the same time.

For further information regarding PLS Programs, please contact the PLS department at 610-660-1267 or email plsadmin@sju.edu.

Application Requirements (On-campus PLS students)

Applications for admission are reviewed once all application materials have been submitted. An admission decision is made within three to five business days. Students will receive official notification of their decision via email. Requirements are based on the amount of college credits that a student has already earned. Official transcripts are required of all applicants, with the exception of some visiting students. Failure to include all institutions at which an applicant was enrolled may invalidate the application. Students who have at least thirty transfer credits are required to submit an application (https://sju.edu/admission/adult-learner-admission/how-apply) and official college transcripts. If a student has no prior college experience or has earned less than thirty college credits, the following documents are required for admission: application (https://sju.edu/admission/adult-learner-admission/how-apply) official college transcripts (if applicable), official high school transcript with graduation date or GED test scores, personal essay of 250 – 500 words (topic available by contacting the PLS office), and one letter of recommendation. All documents submitted become the property of the University. Applications are considered incomplete until all official documents are received.

Application Requirements (Online PLS students)

For students applying to the Professional and Liberal Studies Online Degree Completion and Certificate programs, information is available at online.sju.edu.

Admission Policy for Academically Dismissed SJU Day Students

A Saint Joseph’s University day student who has not met the academic standards of the University (as determined by the Board of Academic Review and Dean of that school) and has been academically dismissed...
from the day program will not be considered for admission to the PLS Program for a period of at least one semester or full summer term following dismissal from the day program.

The PLS Program reserves the right to deny admission to any applicant who has a documented history of violating University rules and regulations or who has previously been expelled or suspended from the University.

Second Degree Candidates
Students who have earned a Bachelor of Science or Bachelor of Arts degree in a program requiring a minimum of 120 credits from a previous college or university and wish to pursue undergraduate studies to obtain a second degree may apply to the PLS Program to do so. PLS students completing a second degree are required to complete a minimum of 10 additional courses (30 credits) through PLS at Saint Joseph’s University, including any general education requirements not yet satisfied. PLS students are required to complete at least four upper division courses in their major at Saint Joseph’s University unless specifically waived by the appropriate Department Chair or Program Director (See Residency Requirement in the Academic Policies and Regulations section).

Visiting Students
Undergraduate students who attend other colleges or universities and are in good academic standing may enroll in classes at Saint Joseph’s University to transfer to their respective home institution. A visiting student application and letter from the student’s home institution indicating good academic standing are required. Visiting students who wish to take courses with prerequisites must submit official transcripts depicting the necessary prerequisite on that transcript. Under this classification, a visiting student may enroll in up to four total courses.

Isolated Credit / Non Matriculated Students
Non-degree applicants may enroll in up to four PLS classes prior to formally matriculating into a degree program. Under this classification, students are admitted to the University, but not to a specific degree granting program. No financial aid is available. A formal application and academic transcripts are required prior to being admitted as an isolated credit student.

Acceptance Policy
The decision regarding admission to the College of Arts and Sciences Professional and Liberal Studies Program is based on a review of application materials and any relevant information obtained by Admissions personnel. The University reserves the right to deny admission to an applicant who, for any reason, does not demonstrate the capabilities, qualities, skills or commitment believed to be essential for a student in Professional and Liberal Studies.

Disclosure
Saint Joseph’s University Professional and Liberal Studies Program, in accordance with Federal and State laws and regulations, does not discriminate on the basis of race, color, creed, religion, national origin, sexual orientation, sex, age, veteran’s status or handicap, in regards to treatment, access to, or employment in its program or activities. In compliance with the Americans with Disabilities Act (ADA), individuals with disabilities requesting accommodations should contact the Office of Student Disability Services at 610-660-1774.

Transfer Credits
A candidate for admission to a degree or certificate program with credits from another college must request official transcripts be sent to SJU from each college or university previously attended. Students may also be required to submit course descriptions for each course taken outside of SJU. In some instances, a syllabus also may be required.

International students must provide official transcripts from each high school and university previously attended, translated into English, and a course-by-course evaluation from an approved international credential evaluation service. Please see the section on International Students for further information.

Only grades of C or better from fully accredited colleges or universities will be considered for transfer. Students may transfer a maximum equivalent of 25 courses towards the bachelor’s degree in PLS at the time of admission. PLS students in a bachelor’s degree program are required to complete a minimum of 15 courses at Saint Joseph’s University, including at least four upper division courses in their major. PLS has articulation agreements with local and regional community colleges designed to facilitate the transfer process. PLS students may transfer the equivalent of 10 SJU courses towards an Associate Degree at the time of admission. A minimum of 10 courses must be completed at Saint Joseph’s University.

Please note that the following students may transfer the equivalent of 30 courses towards the bachelor’s degree in PLS at the time of admission: 1) students who are transferring from the SJU Day School, and 2) students who have earned a Bachelor of Science or Bachelor of Arts degree in a program requiring a minimum of 120 credits from a previous college or university and who are pursuing a second degree at SJU. These students are required to complete a minimum of 10 courses at Saint Joseph’s University through the PLS program.

Credits awarded by Assessment through American Council on Education (ACE). A student may be granted transfer credit for courses evaluated and approved for college credit by the American Council on Education (ACE). Listings of ACE approved courses and credit recommendations are contained in two publications: A Guide to the Evaluation of Educational Experiences in the Armed Forces and The National Guide to Educational Credit for Training Programs. Credits awarded are subject to the same policies as those of any other transfer credit.

Military Credits. Transfer credit may be granted for college-level coursework earned while in military service if it is recommended by the American Council on Education (ACE) and if the course meets the content equivalence of a three-credit course offered at Saint Joseph’s University. ACE recommendations for 1-credit courses may not be transferred to fulfill a three-credit course requirement. Credit is not awarded for Basic Training or for vocational/technical level recommendations. To initiate an evaluation of military credits, a student must request an official military transcript from their respective service branch. PLS students may access additional information regarding military transcripts and ACE evaluations at http://www.acenet.edu/militaryprograms/transferguide

Credits for Prior Learning
A student in good academic standing may be eligible to earn college credit for prior learning through CLEP (College Level Examination Program) or ELAP (Experiential Learning Assessment Program). A student cannot earn CLEP or ELAP credit for a course in which he or she is presently enrolled or for a course when he or she has completed a more advanced course in the same subject.
To be considered for CLEP or ELAP, a student must:

- be in good academic standing, and
- have more than 10 courses remaining in their degree program.

A student may not use a CLEP exam or ELAP portfolio review for credit if he or she has already transferred the maximum number of courses allowed.

**CLEP (College Level Examination Program).** Through CLEP, PLS students have the opportunity to earn college credit by achieving a passing score on exams in specific subject areas. CLEP (administered by the College Board) offers 33 exams in five subject areas, covering material generally taught in first or second year of college. Students must obtain approval from the PLS Advising Office before taking a CLEP exam in order to ensure the applicability of CLEP credits to a PLS program. A listing of exams and minimum required scores is available in the PLS Advising office.

**ELAP (Experiential Learning Assessment Program).** ELAP provides PLS students the opportunity to validate college level knowledge acquired through study, work and other life experiences. PLS offers a portfolio assessment process by which prior learning can be documented and assessed for credit. ELAP applicants may apply for portfolio assessment credits for experiences that are similar to the course content for a particular course.

It is the student’s responsibility in consultation with an academic advisor to identify courses for which he or she would like to document identification of appropriate courses. Portfolio assessment is not “an easy way to earn credits,” but rather a formal process that enables PLS students, through careful reflection and documentation, to prove learning equivalent to a SJU course.

Approval of all ELAP requests is at the discretion of each academic department. This process, including portfolio preparation and academic department/faculty review, may take approximately two to three months to complete. If the student is awarded formal credit as a result of the assessment, that credit will be recorded on the student’s permanent record as a transfer course with a grade of TR. ELAP applications may be made after a student has been fully accepted and enrolled in the PLS program.

**Academic Advising in PLS**

For most PLS students, advising is provided through the PLS Advising Office. Exceptions to this include those majoring in English & Professional Writing and Early Childhood/Elementary Education who also are assigned a faculty advisor within their academic department. Through the advising process, PLS advisors help students to:

- manage their transition to SJU;
- develop an academic plan for completing requirements for graduation;
- be aware of the various campus resources available including tutoring, The Writing Center, etc.;
- develop long range educational goals; and,
- identify opportunities and resources that will enrich their education.

Advising is available for current and returning students, in-person or over the phone, through one-on-one advising sessions. For more information regarding student advising please call 610-660-1267 or email plsadvising@sju.edu.

**Registration for Classes**

Prior to the opening of registration each semester, PLS and the Registrar’s Office will send email announcements regarding registration and the class schedule. This information will include specific instructions and procedures for registration. It is expected that students, with assistance from PLS Advising, will register for classes each semester independently through The Nest.

PLS students should review their Degree Works audit and read the catalog carefully before selecting courses to make sure they have the prerequisites or proper background for each course. Since the goal of education is academic progress, normally students should not register for a course when they have earned credit in a more advanced course in the same subject. Students enrolling in upper division courses who are unsure of the required background should consult with the PLS Advising Office (plsadvising@sju.edu).

All PLS students are encouraged to talk with a member of the PLS Advising Office and/or faculty advisor to review course selections prior to registration each semester. PLS students who are on academic probation are required to obtain approval for course selections prior to registration.

Students are not guaranteed seats in classes. Registration is on a first-come, first-served basis; therefore, students are encouraged to register at the earliest possible opportunity. When courses have filled to capacity, the student must go through the online class waitlist procedure to try for a second-chance seat in the class. If online waitlists are not used, a student may contact the Chair of the Department to see if an override into the closed class is possible.

**Academic Policies and Regulations**

**Degree and Certificate Requirements**

To be eligible for a degree or certificate, a student must complete the required number of courses and credits listed in the various curricula (See Curricula section). Students must complete 40 courses (minimum 120 credits) for a Bachelor’s Degree and 20 courses (minimum 60 credits) for an Associate Degree. Students may not graduate with more than one certificate or degree in the same field. Three credits represent a total of 42 instructional hours over the course of a semester.

**Residency Requirement**

The residency requirement for an Associate Degree is fulfilled by the satisfactory completion of at least 10 courses in the PLS program immediately preceding the date of graduation. The residency requirement for a Bachelor’s Degree is fulfilled by the satisfactory completion of at least 15 courses in the PLS program immediately preceding the date of graduation. Students who are pursuing a second Bachelor’s Degree and those who are transferring to PLS from the SJU Day School are required to complete at least 10 courses in the PLS program immediately preceding the date of graduation. The residency requirement may not be satisfied by credits earned through CLEP, ELAP (portfolio assessment), or courses completed elsewhere. PLS students must take at least four Upper Division courses (level as defined by each academic department) in their major (online or in classroom) through SJU to obtain a Bachelor’s Degree. Students must take at least one Upper Division course in their major for an Associate Degree.

Please be aware that once matriculated into the PLS Program, students are expected to complete all remaining courses at Saint Joseph’s University. Exceptions may be considered in extenuating academic circumstances by written request to the appropriate Associate Dean.
Second Major

Qualified PLS students may request permission to pursue a second major for sound academic reasons. Such a request requires the approval of the PLS Advising Office and chair or program director for the major. The student must meet all the prerequisites and other requirements for both majors. The final transcript, not the diploma, will record the completion of the second major. The degree granted will be the degree appropriate to the primary major. Two separate degrees will not be awarded to students who complete a second major.

Minors

Bachelor’s degree students may have a minor listed on their transcript. Approval from the program director or chair for the minor is required. At least one-half of the courses required must be taken at Saint Joseph’s University. For minor options and requirements, please see the Undergraduate Day Programs section of the Catalog.

Cancellation of Courses

The University reserves the right to cancel a course for which there is insufficient enrollment. When such a cancellation becomes necessary, students will be notified in advance and given the choice of receiving a full refund or enrolling in another available course without penalty.

Add/Drop

During the add/drop period at the beginning of each semester or 8-week module, students freely may make changes to their schedule through The Nest. A student who drops a course from their schedule during the add/drop period will not have the course listed on their official record. After the Add/Drop period has ended, a student who wishes to no longer continue in a course will need to submit a request to withdraw from the course. For add/drop dates, please see the University’s Academic Calendar.

Withdrawal from a Course (or courses)

A student who wishes to withdraw from a course after the add/drop period must do so by writing and completing the appropriate form no later than the withdrawal deadline date as established by The Registrar’s Office. Students are encouraged to discuss withdrawing from a course with their instructor prior to submitting a withdrawal form to the PLS Advising Office. Withdrawal from any course without completing the required paperwork will result in an F for that course and will lower a student’s grade point average. Students are permitted to withdraw from an individual course or from all courses. Grading and refund regulations apply only to the courses from which a student has officially withdrawn. For the refund schedule, visit the Hawk Central website at http://www.sju.edu/hawkcentral.

Extraordinary Withdrawal

Withdrawal from a course after the last day of the published withdrawal period requires documentation of an extraordinary and unusual reason. PLS students must submit an Extraordinary Withdrawal request form, documentation to support any extraordinary or unusual reasons for the withdrawal, and approval of the instructor to the PLS Advising Office for final approval by the appropriate Associate Dean. The avoidance of undesirable grades is not sufficient reason for an extraordinary withdrawal.

Should the general good of the University be involved, the University reserves the right to request the withdrawal of any student. Withdrawal is not permitted for the purpose of avoiding penalties imposed through the University’s Academic Honesty Policy.

Incomplete Grades (“I” on the Transcript)

The grade of Incomplete, noted as “I” on the grade report, is reported by an instructor to the Program Director or Department Chair and to the Registrar only under the following circumstances (all must apply):

1. The student has requested an Incomplete.
2. Course requirements have not been completed for reasons beyond the student’s control (e.g., illness or family emergency), and
3. The student has completed the majority of the work for the class, and the student can accomplish the remaining requirements within 30 days of the end of the class or reasonable time frame agreed upon by the instructor and student following issuance of the “I” grade.

Please note that if the work for the course is not completed by the agreed time, the “I” will convert to an F. A student may not be given an Incomplete grade if an incomplete from a previous semester is still outstanding.

In Progress Grades (“IP” on the Transcript).

The grade of “In Progress,” noted as “IP” on the grade report, indicates that the course spans more than one semester’s work. The final grade will be sent to the Registrar by the instructor upon completion of the course.

Grade Appeal

A PLS student who wishes to appeal the final grade in a course should first contact the instructor of the course in an attempt to remedy the situation. If after talking with the instructor the student still thinks that they have been inappropriately evaluated in the course, the student may make a written request for review to the Program Director or Department Chair, depending on the program of study. The written request must describe, in detail, the situation and reason for appealing the course grade. The program director or department chair will consult with the instructor and if a grade change is warranted, make a recommendation to the Associate Dean for approval.

Student Deactivation

After two years of non-attendance, PLS students will be deactivated and will be required to apply for readmission if/when they decide to return to their studies at SJU. To avoid deactivation, a student who is expecting to be away from their studies for a period of time is encouraged to request a leave of absence.

Leave of Absence

PLS students may request a leave of absence for up to two years. After two years, student will be deactivated and will be required to re-apply to be considered for readmission to a PLS program. Students are required to submit a completed PLS Leave of Absence /Withdraw from University form to the PLS Advising Office.

Withdraw from the University

A student may withdraw from their program and University provided any indebtedness to Saint Joseph’s has been settled and he/she is not liable for dismissal because of an academic violation or disciplinary action. Students are required to submit a completed Withdrawal from University form to the PLS Advising Office.
Minimum Standards for Graduation
A cumulative grade point average of 2.0 is the minimum required for a Bachelor’s Degree, Associate Degree, or a Certificate from Saint Joseph’s University. Students with a cumulative grade point average below 2.0 at the end of any semester will be notified in writing that their level of performance may be insufficient to satisfy the requirements for graduation.

Minimum Standards for Retention
PLS students are permitted to take courses at a rate that is appropriate and convenient for them, normally without incurring any penalties for delay in completing degree program requirements. Students pursuing Teacher Certification, however, are required to complete their certification within the time stipulated in departmental regulations.

Grades for PLS students are reviewed at the end of each 8-week module in the fall, spring, and summer semesters.

Bachelor’s Degree seeking PLS students with an SJU grade point average below the minimum requirement shown in the following table will be reviewed by the Academic Review Board for PLS, which could lead to a recommendation for academic probation, suspension, or dismissal. SJU grade point average is calculated by dividing quality points by GPA hours for courses completed at SJU. Failures are calculated into the GPA, but withdrawals are not.

<table>
<thead>
<tr>
<th>Semester completed</th>
<th>Minimum GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 60 credits</td>
<td>1.8</td>
</tr>
<tr>
<td>61-90 credits</td>
<td>1.9</td>
</tr>
<tr>
<td>&gt;90 credits</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Please note that Degree seeking PLS students who, after attempting their first 12 credits at SJU, have a cumulative grade point average below 1.0 will be recommended for academic dismissal. They will be informed of the relevant policies, including the right to appeal their dismissal to the Academic Review Board for PLS (please see the section on Academic Dismissal for additional information).

Post-Baccalaureate Certificate Students with a GPA below 2.0 after attempting a minimum of 6 credits will be subject to academic probation. Students who are completing a Certificate of Proficiency are expected to consistently maintain a GPA of 2.0 or be subject to academic dismissal.

Academic Probation
PLS students who are not making satisfactory academic progress according to the standards listed above will be placed on academic probation. When on probation, a degree seeking student may be given 1-2 semesters (maximum of 15 additional credits) to raise his or her GPA to the required standard. In extraordinary cases, one additional semester of probation may be allowed by the Academic Review Board for PLS if the improvement during the first probationary period indicates that the student will probably reach the necessary level by the end of an additional probationary semester. If the student does not raise his or her GPA to the required level within this time frame, s/he will be subject to dismissal. Post-Baccalaureate Certificate students who are placed on academic probation will have up to 6 additional credits or one semester to raise his or her GPA to a 2.0. If the student does not raise his or her GPA to the required level, s/he will be subject to dismissal.

PLS students placed on probation are required to meet with their advisor and the Dean (or Dean’s representative) at the beginning of each semester to review their academic plan and discuss campus resources that will help ensure their academic success. A student on probation is limited to 2 courses per semester (unless full time enrollment is required for financial aid or other reasons) and must consult with an advisor prior to registering for courses through The Nest.

Students may lose their financial aid if they do not attain the required GPA after being placed on probation. In rare instances, the loss of financial aid may be stipulated without any previous probation if the student’s academic standing is so poor that academic probation would not be in the student’s best interest. Since these judgments involve issues of academic qualifications and performance, as well as federal and state regulations concerning financial aid, decisions about the loss of financial aid will be made jointly by the Director of Student Financial Services and Compliance and PLS acting on the recommendations of the Academic Review Board for PLS. See Satisfactory Academic Progress and Financial Aid for additional information. PLS students on probation making inquiries must address them to the Dean or Dean’s representative. For further information regarding financial aid, please contact Hawk Central.

Academic Suspension
A student who is showing slow improvement in their level of performance or rate of progress during this period of probation may be subject to academic suspension by the appropriate Dean on the recommendation of the Academic Review Board for PLS. While a student is normally granted at least one academic probation before suspension, the Academic Review Board for PLS may recommend academic suspension without any probation when the student’s cumulative grade point average is so low that it is determined that academic probation would not be in the student’s best interest. A student who has been placed on suspension by the appropriate Dean may return to Saint Joseph’s University only after being away for at least one semester but not more than two academic years. If a student wishes to return after two years, the student will be required to reapply for admission.

Academic Dismissal
A student who fails to make sufficient improvement in his/her level of performance or rate of progress during the period of probation (or after coming back from suspension) may be subject to academic dismissal by the appropriate Dean. While a student is normally granted at least one academic probation before dismissal, the Academic Review Board for PLS may recommend academic dismissal without any probation or suspension when the student’s cumulative grade point average is so low that it is determined that academic probation would not be in the student’s best interest. A student who has been placed on suspension by the appropriate Dean may return to Saint Joseph’s University only after being away for at least one semester but not more than two academic years. If a student wishes to return after two years, the student will be required to reapply for admission.

A student may also be dismissed or suspended from the University under the provisions of the Academic Honesty Policy (See Academic Honesty Policy section).
Satisfactory Academic Progress and Financial Aid

PLS students who are receiving federal, state, or University aid are required to maintain satisfactory academic progress (SAP) and also meet the Minimum Requirements for Retention in order to keep their financial aid eligibility.

SAP is reviewed after the spring semester each academic year. Both cumulative GPA and the ratio of credits earned to credits attempted are used to determine academic progress. Students not meeting criteria for satisfactory progress will be informed at the end of each spring semester that their current academic record disqualifies them for financial assistance. These students will be given the opportunity to file an academic plan with the Dean’s Office to be considered for financial aid for the coming academic year.

Below are the minimum GPA standards that undergraduate PLS students must maintain to be considered making satisfactory progress. Please note that these standards are in accordance with the PLS Academic Probation Policy.

Students must maintain the following cumulative GPA:

- 1.8 cumulative GPA up to 60 credits earned
- 1.9 cumulative GPA for 61-90 credits earned
- 2.0 cumulative GPA above 90 credits earned

In addition to maintaining the required GPA, PLS students must earn a passing grade in a minimum of 67% of overall credits attempted in order to be considered making satisfactory progress. For example, if a student registers for four courses, the student must earn a passing grade in at least three of these courses to meet this requirement. Please note that withdrawals are considered when calculating the ratio of credits earned to credits attempted. Although withdrawals do not impact GPA, they do negatively impact this measure of satisfactory academic progress.

If a student is not making satisfactory progress based on the criteria above, the student must submit an academic plan explaining the circumstances that led to the failure to meet the standards and the changes that will allow the student to be successful. The student should identify and provide documentation of any extenuating circumstances (e.g., loss of job, a major financial life event, personal illness, illness or death of family member, or other special circumstances) that may have hindered their ability to make satisfactory progress. The appropriate Associate Dean will review plan to determine if the student will be allowed to continue to receive federal financial assistance. For a student’s academic plan to be considered, it must be submitted by the first day of classes of the traditional full-term semester for which the student is requesting federal aid.

Class Status

Degree students with fewer than 24 credits completed are considered First year students; with 24 to 53 credits, Sophomores; with 54 to 83 credits, Juniors; with 84 or more credits, Seniors.

Dean’s List

The Dean’s List is published at the completion of each semester. PLS students working toward a Bachelor’s degree are eligible for this honor.

A PLS student must complete at least 30 credit hours through the Saint Joseph’s University PLS program before becoming eligible. A cumulative grade point average of 3.5 is required to achieve and to remain on the Dean’s List. A minimum of 6 credits must be completed during the semester to be eligible for Dean’s List. A failing semester grade in the current semester makes one ineligible for the list.

Commencement and Diplomas

PLS students who will complete all of the requirements for a degree in a given semester must submit a completed Graduation Application within the time specified under the Academic Calendar. If this application is not completed, the student’s records will not be closed, and the awarding of the degree will not be recorded on the official record. The Graduation Application can be found on The Nest under Student Records.

Commencement is held annually in the spring. Diplomas are issued three times a year—on September 15, January 15, and on the date of the Commencement ceremony, typically in May. Students receiving diplomas in September or January are invited to participate formally in the Commencement ceremony the following May.

Honors at Graduation

Honors at graduation will be awarded for SJU grade point averages in all subjects as follows:

<table>
<thead>
<tr>
<th>Honors</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>summa cum laude</td>
<td>3.85</td>
</tr>
<tr>
<td>magna cum laude</td>
<td>3.70</td>
</tr>
<tr>
<td>cum laude</td>
<td>3.50</td>
</tr>
</tbody>
</table>

Averages for honors will be computed on the basis of work completed at Saint Joseph’s University in the PLS program only. To be eligible for honors at graduation, students must complete at least 20 courses (60 credits) at Saint Joseph’s University in the PLS Program.

PLS Adult Degree Completion

General Education Program (GEP)

The General Education Program (GEP) at Saint Joseph’s University involves a distinctive liberal arts education in the Jesuit, Catholic tradition. General education is essential to the University’s mission, providing all students with the broad knowledge, essential skills, appreciation of diversity, and ethically informed perspective needed by those who would aspire to be “men and women for others.” The GEP ensures mastery of skills required for further study, exposes students to the principal achievements and problems of the major fields of human learning, and introduces them to new disciplines that they may or may not wish to pursue. The Major Concentration component gives depth in a particular field and is thus a preparation for an effective career or for graduate study in that field.
Free or general electives allow students to pursue interests, explore new fields, or to continue concentration in their major.

The General Education Program (GEP) applies to students who are completing a bachelor's degree through PLS.

The GEP is comprised of Signature Core, Variable Core, Integrative Learning courses and Overlays.

### Signature Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>or THE 221</td>
<td>Intro to the New Testament</td>
<td></td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Any course certified as Faith &amp; Reason</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Adult Learning Seminar (any course numbered 140)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Variable Core

- One approved course in Art, Literature, or Music, Theater, Film.
- One course in the Natural Sciences (lab-based or lecture based) in biology, chemistry, environmental science, or physics.
- Two courses in Mathematics (MAT 101 or higher for PLS students).
- Two courses in a Non-Native Language (e.g., SPA 111-SPA 112) or two approved alternative courses in Literature in Translation, Linguistics, or Classics. With permission, international students or students whose native language is not English may take ESL 201 and ESL 202, Composition and Critical Thinking for Non-Native Speakers of English, in their first two semesters to fulfill their language requirement. Bilingual students may also be considered for a language exemption by the Department of Modern & Classical Languages.
- One course in the Social-Behavioral Sciences including Political Science, Economics, Sociology, and Psychology. Please note that some majors require a specific course.
- One course that is certified as a Philosophical Anthropology course.
- One course from Religious Studies or Theology that is certified as a Religious Difference course.
- ENG 101 Craft of Language.

### Integrative Learning Course

(2 courses required)

- Courses approved for ILC requirements will vary by major. Some majors have specific courses that must be taken.

### Overlays

Students admitted Summer 2016 or later to a BLS Program are required to complete at least one of the three GEP overlays:

1. Ethics Intensive
2. Writing Intensive, or
3. Diversity, Globalization, Non-Western Area Studies.

Please note that PLS students admitted prior to the Fall 2014 semester may have slightly different GEP curriculum requirements as communicated by the PLS Advising Office at the time of admission. Students are encouraged to contact the PLS Advising Office with any curriculum questions. PLS students who are completing degree requirements for a major offered through the Day School are required to complete the GEP for Day Students.
ASSOCIATE DEGREE
PROGRAM IN LIBERAL ARTS

Please note that as of Spring 2017, applications are no longer being considered for this program.

Learning Goals and Objectives

Goal 1. Identify and demonstrate decision making practices.

Objective 1.1 Students will describe in oral and written forms key theories and concepts.

Objective 1.2 Students will apply theoretical principles to solve real-world problems.

Goal 2. Apply critical and analytical skills to communication, writing, and problem solving in their chosen field.

Objective 2.1 Students will identify and defend a position as it applies to a posed case study scenario.

Objective 2.2 Students will identify strengths and limitations of major theoretical approaches for understanding specific real world issues.

Goal 3. Demonstrate an understanding of the Ignatian principles of social justice, ethics, and service to others in order to address the diverse needs of our society.

Objective 3.1 Students will identify pros and cons of specific public policies as they address relevant social and political issues.

Objective 3.2 Students will identify the influence of culture and race in current laws and public policies.

Goal 4. Value and respect the scientific approach to understanding natural phenomena.

Objective 4.1 Students will locate appropriate sources by searching electronic and print databases.

Objective 4.2 Students will use information from current research articles to write a persuasive or explanatory paper.

General Education Program Courses
(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

GED Integrative Learning Component

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select one course in the social sciences, education, humanities, natural sciences, or math</td>
<td></td>
</tr>
</tbody>
</table>

Major Concentration

Three courses offered in the College of Arts & Sciences. If the student is pursuing a Bachelor’s Degree, these selections should be guided by the requirements for the intended major.
**ACTUARIAL SCIENCE**

**Director**
- Regis

**Committee on Actuarial Science**
- Bobo
- DeLiberato
- Ha
- Klimberg
- Liebman
- Schellhorn

**Minor Advisor**
- Regis

**Undergraduate Majors**
- Actuarial Science (p. 54)

**Undergraduate Minors**
- Actuarial Science (p. 56)

**ASC 150 First Year Seminar (3 credits)**
This first year seminar course provides an introduction to the techniques actuaries use to forecast the future and quantify risk. Selected topics include time series analysis and statistical correlation, credibility theory, pricing insurance products and risk load, portfolio theory and asset allocation management. Students are also required to make a presentation on a topic of current interest in actuarial science. The course is taught in a computer classroom and students make extensive use of Microsoft Excel in the development of mathematical models. 
*Attributes: First-Year Seminar, Undergraduate*

**ASC 301 Actuarial Probability (3 credits)**
This course provides an introduction to the basic probabilistic principles of insurance and Risk Management. Selected topics are covered to enable the application of probability theory to solve problems found in insurance and risk management applications. A problem solving approach will be adopted to provide preparation to pass the first actuarial exam co-sponsored by the Casualty Actuarial Society (Part 1) and the Society of Actuaries (Part P). Prerequisite: MAT 321.
*Prerequisites: MAT 321*
*Attributes: Undergraduate*

**ASC 401 Financial Math - Actuarial Sci (3 credits)**
This course provides an introduction to the basic probabilistic principles of insurance and Risk Management. Selected topics are covered to enable the application of probability theory to solve problems found in insurance and risk management applications. A problem solving approach will be adopted to provide preparation to pass the first actuarial exam co-sponsored by the Casualty Actuarial Society (Part 1) and the Society of Actuaries (Part P). Students may not receive credit for both this course and FIN 493, depending on the content of the course. Please consult the Program Director.
*Prerequisites: MAT 162*
*Attributes: Undergraduate*

**ASC 402 Models of Financial Economics (3 credits)**
This course introduces basics of pricing and hedging (risk management) of financial derivatives. Major topics which will be discussed are: a put-call arbitrage, the binomial model for pricing European and American contingent claims, the continuous time model, Brownian motions, stochastic differential equations, Ito formula, Black-Scholes type equations, delta-hedging, exotic options, affine interest models, price zero-coupon bond, Monte Carlo simulation, variance reduction technique. This course will prepare students for the actuarial science examination in Model of Financial Economics which is co-sponsored by the Casualty Actuarial Society (Exam 3F) and the Society of Actuaries (Exam MFE). If time permits, the class will discuss the fundamental difference between Actuarial Pricing and Financial Pricing and how to combine them to price hybrid products such as Variable Annuities.
*Prerequisites: MAT 322 and ASC 401*

**Actuarial Science Major**

**Program Overview**
The Actuarial Science major seeks to build upon the Jesuit tradition of excellence, as embodied in the GEP, by giving students a strong analytical foundation with which to solve the problems encountered in the management of risk. The Actuarial Science major recognizes that success in the actuarial profession derives from the confluence of insightful business perspectives, rigorous analytical reasoning and a love of learning. The Actuarial Science major bridges the traditional distinction at Saint Joseph’s between the Haub School of Business and the College of Arts and Sciences. To be a successful actuary, analytical skills developed in mathematics and economics courses found in the College of Arts and Sciences must be combined with a strong business background utilizing Finance and Decision & System Sciences courses in the Haub School of Business. The Actuarial Science major is, of necessity, an inter-college and interdisciplinary program. The actuarial profession stresses the ‘love of learning’ component not only in word, but also in deed. Actuaries continue to learn throughout their careers and take great pride in passing the strenuous exams their profession requires for certification. The combination of liberal arts Jesuit values with analytical problem solving skills will uniquely position our graduates to assume leadership roles in the field of Actuarial Science.

In addition to the benefits afforded by the Jesuit liberal arts tradition at Saint Joseph’s, the Actuarial Science major has three goals specific to the actuarial profession: First is to maintain a high level of analytical training while providing the business perspectives and love of learning necessary for success in the actuarial profession. Second is to prepare students to take the first three actuarial exams. Third is to make certain that students’ performance in the three Validation by Educational Experience (VEE) courses is sufficient to receive VEE credit upon completion. Actuarial Science majors will thus be ideally poised to enter the actuarial profession.

**Goals and Learning Goals and Objectives for the B.S. in Actuarial Science Program**

**Goal 1:** Students will master the quantitative and analytical skills required to obtain an entry level position in the actuarial science profession.

**Objective 1.1:** Students will be able to apply and use the fundamentals tools of calculus and the principles of mathematical proofs to solve applied and theoretical mathematical problems.
**Objective 1.2:** Students will be able to demonstrate mastery of the computational skills used in probability theory as well as the use of discrete and continuous probability distributions to model various applications in the natural sciences, engineering, finance, insurance and the social sciences.

**Objective 1.3:** Students will be able to demonstrate understanding of concepts of financial mathematics and how these concepts are applied in the calculation of present and accumulated values of cash flows.

**Goal 2:** Students will have the knowledge to qualify for professional credentials awarded by the Society of Actuaries and the Casualty Actuary Society.

**Objective 2.1:** Students will be able to demonstrate their knowledge of macro and micro economics, corporate finance and statistical modeling and obtain VEE (validation by experience and education) credit from professional actuarial societies.

**Objective 2.2:** Students will know the content covered in the first three professional actuarial science examinations.

**Goal 3:** Students will develop strong communication and interpersonal skills.

**Objective 3.1:** Students will be able to compile oral presentations and written reports that integrate the best practices of technical writing, business and statistical terminology and critical analysis.

**Objective 3.2:** Students will be able to actively engage in guest lectures, team projects, campus events and career development workshops.

**Goal 4:** Students will attain a high level of proficiency in research methodology and computer technology.

**Objective 4.1:** Students will be able to conduct quantitative research, i.e. select appropriate statistical methodology, use computer software, and make inferences and predictions using data from applications in finance, economics and other disciplines.

**Objective 4.2:** Students will be able to demonstrate proficiency in the use of computer software such as EXCEL, SPSS and databases. Students will also be able to do basic computer programming.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

---

**General Education Signature Courses**
See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**
See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Natural Science**
One semester of any lab-based natural science course (See ILC)

**Social Science**
ECN 101 | Introductory Economics Micro | 3

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**General Education Overlays**
See this page about Overlays (p. 27).

**General Education Integrative Learning Component**
See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>CSC 120</td>
<td>Computer Science I</td>
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</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
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</tbody>
</table>

**GEP Electives**
Any seven courses

**Major Concentration**
Select fifteen courses including the following:

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAT 213</td>
<td>Calculus III</td>
<td></td>
</tr>
<tr>
<td>MAT 225</td>
<td>Fundamental Ideas of Math</td>
<td></td>
</tr>
<tr>
<td>MAT 226</td>
<td>Introduction to Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MAT 321</td>
<td>Probability</td>
<td></td>
</tr>
<tr>
<td>MAT 322</td>
<td>Mathematical Statistics</td>
<td></td>
</tr>
<tr>
<td>MAT 423</td>
<td>Applied Statistical Methods</td>
<td></td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td></td>
</tr>
<tr>
<td>FIN 300</td>
<td>Intermediate Finance</td>
<td></td>
</tr>
<tr>
<td>RMI 200</td>
<td>Introduction to Insurance</td>
<td></td>
</tr>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td></td>
</tr>
<tr>
<td>ASC 301</td>
<td>Actuarial Probability</td>
<td></td>
</tr>
<tr>
<td>ASC 401</td>
<td>Financial Math - Actuarial Sci</td>
<td></td>
</tr>
<tr>
<td>ASC 402</td>
<td>Models of Financial Economics</td>
<td></td>
</tr>
<tr>
<td>DSS 330</td>
<td>Database Management</td>
<td></td>
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</tbody>
</table>

Select one of the following Mathematics electives:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 238</td>
<td>Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MAT 311</td>
<td>Numerical Analy &amp; Comp Tech</td>
<td></td>
</tr>
<tr>
<td>MAT 313</td>
<td>Mathematical Optimization</td>
<td></td>
</tr>
<tr>
<td>MAT 316</td>
<td>Operations Research</td>
<td></td>
</tr>
</tbody>
</table>

Course approved by the Actuarial Science program director

Satisfactory completion of the Actuarial Science major automatically qualifies the student to apply for a minor in mathematics; subject to the Mathematics minor GPA restrictions (see the Mathematics section of this catalog). Students are ready to take the first and second actuarial exams at the end of their junior and senior years, respectively. Students are encouraged to participate in a summer internship during their junior/senior year. In the past, these internships have proven to be most valuable to students and their subsequent job search.
Actuarial Science Minor

Learning Goals and Objectives for the minor in Actuarial Science

**Goal 1:** Students will master the quantitative and analytical skills required to obtain an entry level position in the actuarial science profession.

**Objective 1.1:** Students will be able to apply and use the fundamentals tools of calculus and the principles of mathematical proofs to solve applied and theoretical mathematical problems.

**Objective 1.2:** Students will be able to demonstrate mastery of the computational skills used in probability theory as well as the use of discrete and continuous probability distributions to model various applications in the natural sciences, engineering, finance, insurance and the social sciences.

**Goal 2:** Students will have the knowledge to qualify for professional credentials awarded by the Society of Actuaries and the Casualty Actuary Society.

**Objective 2.1:** Students will be able to demonstrate their knowledge of macro and micro economics and obtain VEE (validation by experience and education) credit from professional actuarial societies.

**Objective 2.2:** Students will know the content covered in the first professional actuarial science examination.

**Goal 3:** Students will attain proficiency in research methodology and computer technology.

**Objective 3.1:** Students will be able to conduct quantitative research using appropriate statistical methodology.

**Objective 3.2:** Students will be able to demonstrate proficiency in the use of computer software such as EXCEL and SPSS.

With the approval of the Actuarial Science Director, students may minor in actuarial science. Students desiring to minor in actuarial science must take the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 213</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 321</td>
<td>Probability</td>
<td>3</td>
</tr>
<tr>
<td>MAT 322</td>
<td>Mathematical Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ASC 301</td>
<td>Actuarial Probability</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
</tbody>
</table>
AEROSPACE STUDIES

Air Force Reserve Officer Training Corps (AFROTC)

Department Overview
The Department of Aerospace Studies offered through Detachment 750 at Saint Joseph's University offers college students a three- or four-year curriculum leading to a commission as a Second Lieutenant in the United States Air Force (USAF). In the four-year option, a student (cadet) takes General Military Course (GMC) classes during their freshmen and sophomore years, attends a 4-week summer training program between their sophomore and junior years, and then takes Professional Officer Course (POC) classes during their junior and senior years. Cadets in the three-year option will be dual-enrolled in both GMC classes during their sophomore year, attend a summer training program, and take POC classes during their junior and senior years. A cadet is under no contractual obligation with the USAF until entering the POC or accepting an AFROTC scholarship. The GMC curriculum focuses on the scope, structure, organization, and history of the USAF with an emphasis on the development of airpower and its relationship to current events. The POC curriculum concentrates on the concepts and practices of leadership and management, and the role of national security forces in American society.

In addition to the academic portion of the curricula, each cadet participates in a two-hour Leadership Laboratory and two hours of physical training each week. Leadership Laboratory utilizes the cadet organization designed for the practice of leadership and management techniques.

Further information on the AFROTC program at Saint Joseph's University can be found at sites.sju.edu/afrotc, or students can contact detachment personnel directly at:

Recruiting Flight Commander
AFROTC Detachment 750
Saint Joseph's University
Philadelphia, PA 19131
Phone: 610-660-3190
Email: rotc@sju.edu

Professor
- Lim (Chair)

Assistant Professors
- Johnson
- Clemens

Aerospace Studies Program (p. 58)

AER 101 Foundations of USAF I (1 credit)
A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with followership experiences.

Attributes: Undergraduate

AER 102 Foundations of USAF II (1 credit)
A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with followership experiences.

Attributes: Undergraduate

AER 200 Leadership Lab (0 credits)

AER 201 Evolution USAF Aero Power I (1 credit)
A survey course designed to facilitate the transition from Air Force ROTC cadet to Air Force ROTC candidate. Featured topics include: Air Force heritage, Air Force leaders, an introduction to ethics and values, introduction to leadership, group leadership problems, and continuing application of communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with their first opportunity to apply leadership experiences discussed in class.

Attributes: Undergraduate

AER 202 Evolution USAF Aero Power II (1 credit)
A survey course designed to facilitate the transition from Air Force ROTC cadet to Air Force ROTC candidate. Featured topics include: Air Force heritage, Air Force leaders, an introduction to ethics and values, introduction to leadership, group leadership problems, and continuing application of communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with their first opportunity to apply leadership experiences discussed in class.

Attributes: Undergraduate

AER 251 L GMC Leadership Lab (0 credits)

AER 252L Leadership Lab (0 credits)

AER 301 Air Force Leadership Studies I (3 credits)
This course is a study of the leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training

Attributes: Undergraduate

AER 302 Air Force Leadership Studies II (3 credits)
This course is a study of the leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training

Attributes: Undergraduate
AER 351 L POC Leadership Lab (0 credits)
AER 352 L POC Leadership Lab (0 credits)
AER 401 National Security Affairs I (3 credits)
This course examines the national security process, regional studies, advanced leadership ethics, Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training
Attributes: Undergraduate

AER 402 National Security Affairs II (3 credits)
This course examines the national security process, regional studies, advanced leadership ethics, Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training
Attributes: Undergraduate

Aerospace Studies Minor

Objectives
The AFROTC objectives are to:

- Recruit, select, and retain officer candidates until they are commissioned as second lieutenants in the U.S. Air Force;
- Provide college-level education that qualifies cadets for commissioning in the U.S. Air Force; and
- Develop each cadet's sense of personal integrity, honor, and individual responsibility; enhance knowledge of how the U.S. Air Force serves the national interest; increase understanding of officer professionalism in the U.S. Air Force; and develop potential as a leader and manager.

Program Requirements
The Department of Aerospace Studies offers three-year, and four-year curricula leading to a commission as a Second Lieutenant in the United States Air Force. In the four-year curriculum, a student takes AER 101 and AER 201 courses during the freshman and sophomore years, attends a four-week summer training program, and then takes the AER 301 and AER 401 in the junior and senior years. In the three-year curriculum, a student completes AER 101 and AER 201 during the sophomore year, attends a four-week summer training program, and then takes the AER 301 and AER 401 in the junior and senior years. A student is under no contractual obligation to the Air Force until completing the summer training program or accepting an Air Force scholarship. The subject matter of the freshman and sophomore years is developed from a historical perspective and focuses on the scope, structure, and history of military power with the emphasis on the development of air power and its relationship to current events. During the junior and senior years the curriculum concentrates on the concepts and practices of leadership and management, and the role of national security forces in contemporary American society.

In addition to the academic portion of the curricula, each student participates in a two-hour Leadership Laboratory (AER 200) each week. During this period, the day-to-day skills and working environment of the Air Force are discussed and explained. Leadership Lab utilizes a student organization designed for the practice of leadership and management techniques.

Air Force ROTC offers scholarships for two, three, and four years on a competitive basis to qualified applicants. All scholarships are applied to tuition and lab fees, and include a textbook allowance, plus a tax-free monthly stipend which varies from $250 to $500, depending on graduation date.
AFRICANA STUDIES

Director
• Lockridge (ENG)

Advisory Board
• Burkhalter (MKT)
• Daniel (FRE)
• Green (ENG)
• Smith (MKT)
• Yates (HIS)

Undergraduate Minors
• Minor in Africana Studies (p. 59)

Africana Studies Minor

Students interested in pursuing the Minor in Africana Studies should consult the Advising Support Center of the College of Arts and Sciences.

The Africana Studies program currently includes courses offered by the departments of Economics, English, French, History, Foreign Languages and Literatures, Music, Theatre and Film, Philosophy, Political Science and Religious Studies. Courses taken to satisfy requirements of this program may also serve to satisfy GEP or major requirements, including Integrative Learning courses where appropriate. Participants choose a minimum of six courses from those listed below (both course numbers and course titles must match the ones listed below) with no more than three from any one department. Substitutions may be approved upon written application to the director. Students who successfully complete the program requirements earn a Minor in Africana Studies.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>ECN 460</td>
<td>African Economies</td>
<td>3</td>
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<tr>
<td>ENG 150</td>
<td>First Year Seminar (Protest &amp; Civil Action: The Civil Rights Movement)</td>
<td>3</td>
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<tr>
<td>ENG 150</td>
<td>First Year Seminar (Black Popular Culture)</td>
<td>3</td>
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<tr>
<td>ENG 205</td>
<td>Cultural Diversity</td>
<td>3</td>
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<tr>
<td>ENG 317</td>
<td>Literature of South Africa</td>
<td>3</td>
</tr>
<tr>
<td>ENG 320</td>
<td>Contexts of Faith in Modrn Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 328</td>
<td>African American Literature</td>
<td>3</td>
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<tr>
<td>ENG 329</td>
<td>Black Women's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 429</td>
<td>ReadingWritingCivil Right Move</td>
<td>3</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Literature &amp; Culture</td>
<td>3</td>
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<tr>
<td>ENG 620</td>
<td>Special Topics in Lit/Culture</td>
<td>3</td>
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<td>FRE 461</td>
<td>Caribbean Francophone Liter</td>
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<td>HIS 211</td>
<td>Historical Intro Pre-ModAfrica</td>
<td>3</td>
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<tr>
<td>HIS 343</td>
<td>African Ethnicities</td>
<td>3</td>
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<tr>
<td>HIS 379</td>
<td>Afr Amer Hist Since Civil War</td>
<td>3</td>
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<tr>
<td>HIS 384</td>
<td>The Civil Rights Mov in Am</td>
<td>3</td>
</tr>
<tr>
<td>HIS 477</td>
<td>Seminar in African History</td>
<td>3</td>
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<tr>
<td>HIS 484</td>
<td>Directed Rdgs in Latin Am Hist</td>
<td>3</td>
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<tr>
<td>LTT 361</td>
<td>French-Carib. Lit [in English]</td>
<td>3</td>
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<td>MTF 294</td>
<td>Global Cinemas</td>
<td>3</td>
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<tr>
<td>PHL 150</td>
<td>First Year Seminar</td>
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<td>PHL 276</td>
<td>Philosophy of Cornel West</td>
<td>3</td>
</tr>
<tr>
<td>PHL 278</td>
<td>Philosophy of MLK</td>
<td>3</td>
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<tr>
<td>PHL 302</td>
<td>Philosophy of Race</td>
<td>3</td>
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<tr>
<td>PHL 304</td>
<td>African Philosophy</td>
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<td>POL 337</td>
<td>Contemp Cuban Politi, Std Tour</td>
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<td>POL 320</td>
<td>Injustice &amp; the Law</td>
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<td>POL 324</td>
<td>Race &amp; Ethnic Politics in U.S.</td>
<td>3</td>
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<tr>
<td>POL 335</td>
<td>Comp Pols of MENA</td>
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<td>REL 271</td>
<td>African &amp; Caribbean Religions</td>
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<tr>
<td>REL 327</td>
<td>Religion &amp; Race in Phila.</td>
<td>3</td>
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<tr>
<td>SOC 205</td>
<td>Ethnic &amp; Minority Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 210</td>
<td>African-American Catholicism</td>
<td>3</td>
</tr>
<tr>
<td>SOC 253</td>
<td>Race and Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 355</td>
<td>Race, Crime &amp; CJ</td>
<td>3</td>
</tr>
<tr>
<td>SOC 334</td>
<td>African-American Experience</td>
<td>3</td>
</tr>
<tr>
<td>SOC 355</td>
<td>Race, Crime &amp; CJ</td>
<td>3</td>
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<tr>
<td>SOC 363</td>
<td>Phila: In Black and White</td>
<td>3</td>
</tr>
</tbody>
</table>
AMERICAN STUDIES

Director

- Sibley (HIS)

Advisory Board

- Bergen (SOC)
- Fusco (ENG)
- Hage (ART)
- Lockridge (ENG)
- Miller (HIS)
- Oxx (TRS)

Undergraduate Minors

- Minor in American Studies (p. 60)

American Studies Minor

The minor in American Studies provides a framework within which students can focus their elective and related courses on the study of American history, literature, art, politics, ideas, and institutions. Students majoring in economics, English, history, fine arts, political science, sociology, and theology are especially encouraged to consider a minor in American Studies. By examining the United States from a variety of intellectual perspectives, American Studies minors will develop both a more nuanced understanding of the development and dynamics of American culture and a more sophisticated, interdisciplinary approach to academic study.

Learning Goals and Objectives for American Studies

Goal 1: Students minoring in American Studies will gain a stronger knowledge in the disciplines that make up this minor and thus articulate key aspects of United States history, politics, economics, culture (including art, religions, and literatures) and society.

Objective 1.1: Students will be trained to identify, define, or analyze key aspects of U.S. history, politics, economics, culture (including art, religions, and literatures) and society, using a variety of tools, methods, and perspectives, in order to gain knowledge and articulate their understanding in the disciplines that make up this minor.

Goal 2: Students will produce clear and persuasive analyses of relevant research questions generated by the interdisciplinary approaches offered in the minor of American studies.

Objective 2.1: Students will be able to practice a range of methodological perspectives and practices used to investigate and interpret topics in American Studies, and to present their findings effectively.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HIS 201</td>
<td>American History to 1877</td>
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<tr>
<td>HIS 202</td>
<td>American Hist. 1865 to Present</td>
<td>3</td>
</tr>
<tr>
<td>HIS 360</td>
<td>Colonial America</td>
<td>3</td>
</tr>
<tr>
<td>HIS 361</td>
<td>Amer Hist in Age of Revolution</td>
<td>3</td>
</tr>
<tr>
<td>HIS 362</td>
<td>The Civil War Era</td>
<td>3</td>
</tr>
<tr>
<td>HIS 364</td>
<td>Ethnic America</td>
<td>3</td>
</tr>
<tr>
<td>HIS 365</td>
<td>Urban America</td>
<td>3</td>
</tr>
<tr>
<td>HIS 366</td>
<td>Progressive Era to New Deal</td>
<td>3</td>
</tr>
<tr>
<td>HIS 367</td>
<td>Postwar Am, 1945 to the Present</td>
<td>3</td>
</tr>
<tr>
<td>HIS 368</td>
<td>Am Ideas: Col Era to Civil War</td>
<td>3</td>
</tr>
<tr>
<td>HIS 369</td>
<td>Am Ideas: Gilded Age to Pres</td>
<td>3</td>
</tr>
<tr>
<td>HIS 379</td>
<td>Afr Amer Hist Since Civil War</td>
<td>3</td>
</tr>
<tr>
<td>HIS 380</td>
<td>Am Foreign Policy, 1775-1914</td>
<td>3</td>
</tr>
<tr>
<td>HIS 381</td>
<td>US in the World, Wilson-Reagan</td>
<td>3</td>
</tr>
<tr>
<td>HIS 382</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>HIS 383</td>
<td>Food in American History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 384</td>
<td>The Civil Rights Mov in Am</td>
<td>3</td>
</tr>
<tr>
<td>HIS 385</td>
<td>His of Women in Am Since 1820</td>
<td>3</td>
</tr>
<tr>
<td>HIS 386</td>
<td>American Environmental History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 387</td>
<td>Popular Culture in the US</td>
<td>3</td>
</tr>
<tr>
<td>HIS 471</td>
<td>Seminar in American History</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>Major American Writers</td>
<td>3</td>
</tr>
<tr>
<td>ENG 208</td>
<td>Special Topics in Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 210</td>
<td>The Roaring Twenties</td>
<td>3</td>
</tr>
<tr>
<td>ENG 211</td>
<td>Black Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENG 215</td>
<td>Passing Narratives - Black Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 216</td>
<td>Re-Reading the Sixties</td>
<td>3</td>
</tr>
<tr>
<td>ENG 217</td>
<td>Music &amp; American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 321</td>
<td>Early American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 322</td>
<td>Amer Romantic &amp; Trancend Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 323</td>
<td>American Literature 1865-1915</td>
<td>3</td>
</tr>
<tr>
<td>ENG 324</td>
<td>Twentieth Century American Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 325</td>
<td>Contemporary American Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 327</td>
<td>Southern Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 328</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 329</td>
<td>Black Women’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 416</td>
<td>Rebellious Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>or HON 310</td>
<td>Womens Writing as Emancipation</td>
<td>3</td>
</tr>
<tr>
<td>ENG 417</td>
<td>Post-Soul Black Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 420</td>
<td>American Authors</td>
<td>3</td>
</tr>
<tr>
<td>ENG 421</td>
<td>American Novel, 19th 20th Cent</td>
<td>3</td>
</tr>
<tr>
<td>ENG 423</td>
<td>Amer.Poetry, 19th &amp; 20th Cent.</td>
<td>3</td>
</tr>
<tr>
<td>ENG 424</td>
<td>Contemporary American Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENG 425</td>
<td>American Drama</td>
<td>3</td>
</tr>
<tr>
<td>ENG 426</td>
<td>Nature Writing in America</td>
<td>3</td>
</tr>
<tr>
<td>ENG 427</td>
<td>The Harlem Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ENG 428</td>
<td>The Beat Rebellion</td>
<td>3</td>
</tr>
<tr>
<td>ENG 429</td>
<td>ReadingWritingCivil Right Move</td>
<td>3</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Literature &amp; Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

To participate in the minor, students must choose a minimum of six courses from those listed below, with at least one from each group (and at least one in each group must be above 100 level):
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 250</td>
<td>Social Media Discourse</td>
<td>3</td>
</tr>
<tr>
<td>LIN 260</td>
<td>Language and the Law</td>
<td>3</td>
</tr>
<tr>
<td>LIN 340</td>
<td>Communication in Soc Contexts</td>
<td>3</td>
</tr>
<tr>
<td>MTF 142</td>
<td>History of Rock and Pop</td>
<td>3</td>
</tr>
<tr>
<td>MTF 257</td>
<td>American Music</td>
<td>3</td>
</tr>
<tr>
<td>MTF 291</td>
<td>American Film</td>
<td>3</td>
</tr>
<tr>
<td>PHL 276</td>
<td>Philosophy of Cornel West</td>
<td>3</td>
</tr>
<tr>
<td>PHL 278</td>
<td>Philosophy of MLK</td>
<td>3</td>
</tr>
<tr>
<td>PHL 450</td>
<td>American Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 150</td>
<td>First-Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>POL 201</td>
<td>Soph Sem: Law and Social Change</td>
<td>3</td>
</tr>
<tr>
<td>POL 303</td>
<td>American Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POL 308</td>
<td>American Political Institution</td>
<td>3</td>
</tr>
<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POL 311</td>
<td>Const Law: Rights &amp; Civil Lib</td>
<td>3</td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 316</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 317</td>
<td>Urban Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 318</td>
<td>Pennsylvania Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 319</td>
<td>Media &amp; Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 320</td>
<td>Injustice &amp; the Law</td>
<td>3</td>
</tr>
<tr>
<td>POL 321</td>
<td>Religion and American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 322</td>
<td>Campaigns &amp; Elections</td>
<td>3</td>
</tr>
<tr>
<td>POL 323</td>
<td>Women and American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 324</td>
<td>Race &amp; Ethnic Politics in U.S.</td>
<td>3</td>
</tr>
<tr>
<td>POL 325</td>
<td>Contemp Am Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>POL 326</td>
<td>Protesting Inequality</td>
<td>3</td>
</tr>
<tr>
<td>POL 327</td>
<td>Environmental Politics in Am</td>
<td>3</td>
</tr>
<tr>
<td>POL 354</td>
<td>War and Peace</td>
<td>3</td>
</tr>
<tr>
<td>POL 356</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 402</td>
<td>Contentious Politics in the US</td>
<td>3</td>
</tr>
<tr>
<td>REL 327</td>
<td>Religion &amp; Race in Phila.</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 208</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC 210</td>
<td>African-American Catholicism</td>
<td>3</td>
</tr>
<tr>
<td>SOC 217</td>
<td>Mental Health &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC 225</td>
<td>Intro to American CJ</td>
<td>3</td>
</tr>
<tr>
<td>SOC 330</td>
<td>Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 349</td>
<td>Poverty, Ethics &amp; Soc.Policy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 378</td>
<td>Urban and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>THE 353</td>
<td>American Catholicism</td>
<td>3</td>
</tr>
<tr>
<td>THE 355</td>
<td>Superhumans/Chinese Religions</td>
<td>3</td>
</tr>
<tr>
<td>THE 360</td>
<td>Religious Vision in Film/Ficti</td>
<td>3</td>
</tr>
</tbody>
</table>
Animal Studies is an interdisciplinary field that aims not only to investigate animals themselves, but also the relationship between human and non-human animals. Animal Studies brings together scholarship from the social and natural sciences, as well as the humanities. The Animal Studies minor exposes students to courses focusing on human and animal relations and interactions, animal biology/physiology, animal behavior and cognition, and the role played by non-human animals in the larger world around them. The selection of courses is designed to yield a greater knowledge of and appreciation for animals and our relationship with them.

Goals and Objectives of the Animal Studies Minor

Goal 1. Students will develop greater understanding of the nature of animals and the role played by animals in the larger world.

Objective 1.1: Students will demonstrate knowledge of the role of animals in the broader natural world or in human society.

Objective 1.2: Students will demonstrate knowledge of human-animal interactions and relationships.

Objective 1.3: Students will demonstrate knowledge of the major concepts, historical trends and theoretical perspectives in the discipline of Animal Studies.

Objective 1.4: Students will demonstrate knowledge of animal biology.

Objective 1.5: Students will demonstrate knowledge of animal behavior and cognition.

Goal 2. Students will develop a greater understanding of the ethical issues that surround human-animal interactions.

Objective 2.1: Students will demonstrate knowledge of the theoretical perspectives concerning the moral status of animals.

Objective 2.2: Students will demonstrate knowledge of the ethical issues surrounding the use of animals.

The Minor

All students seeking to minor in Animal Studies will take the following courses:

1. PSY 208 Human-Animal Relations (PSY 100 or PSY 101 is prerequisite)
2. An understanding of how human and non-human animals relate and interact requires understanding form and function of the organisms, so all students seeking to minor in Animal Studies will complete one of the following courses: (These courses all have prerequisites)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 260</td>
<td>Anatomy/Physio 1 Nurs/Al Hlth (BIO 101 or BIO 165 are prerequisites)</td>
<td>4</td>
</tr>
<tr>
<td>BIO 406</td>
<td>Comparative Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIO 417</td>
<td>Systemic Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

3. A background in animal behavior and its underpinnings is helpful when considering the interactions and relationships between human and non-human animals. All students seeking to minor in Animal Studies must take one of the following courses: (These courses all have prerequisites)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 401</td>
<td>Animal Behavior</td>
<td>4</td>
</tr>
<tr>
<td>PSY 201</td>
<td>Biological Bases of Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSY 225</td>
<td>Comparative Animal Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

4. Students will take three additional elective courses to complete the Animal Studies minor (Note: many of these have pre-requisites and/or co-requisites); at least one of these courses must be from a department other than Psychology or Biology. Students may choose from among the following, which are included in order to provide additional knowledge of human and non-human animal relations and interactions, animal biology/physiology, animal behavior and cognition, and the role of non-human animals in the larger world around them:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Independent Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Independent Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 261</td>
<td>Anatomy/Physio Nurs/Al Hlth II</td>
<td>4</td>
</tr>
<tr>
<td>BIO 407</td>
<td>Developmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 409</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 419</td>
<td>Invertebrate Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 423</td>
<td>Evolution</td>
<td>4</td>
</tr>
<tr>
<td>CLA 201</td>
<td>Love,Sex,Conqst:Classic Myth</td>
<td>3</td>
</tr>
<tr>
<td>ENG 150</td>
<td>First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ENG 426</td>
<td>Nature Writing in America</td>
<td>3</td>
</tr>
<tr>
<td>ENG 452</td>
<td>Writing and Reading Animals</td>
<td>3</td>
</tr>
<tr>
<td>ENV 105</td>
<td>The Environment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 106</td>
<td>Exploring the Earth</td>
<td>4</td>
</tr>
<tr>
<td>HIS 386</td>
<td>American Environmental History</td>
<td>3</td>
</tr>
<tr>
<td>IHS 360</td>
<td>TherapRolesAnimals in Hlthcare</td>
<td>3</td>
</tr>
<tr>
<td>PHL 282</td>
<td>People, Animals, and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHL 316</td>
<td>Food and Justice</td>
<td>3</td>
</tr>
<tr>
<td>PHL 328</td>
<td>Philosophy and Evolution</td>
<td>3</td>
</tr>
<tr>
<td>POL 327</td>
<td>Environmental Politics in Am</td>
<td>3</td>
</tr>
<tr>
<td>PSY 201</td>
<td>Biological Bases of Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSY 221</td>
<td>Animal Learning and Memory</td>
<td>3</td>
</tr>
</tbody>
</table>
With permission of the Animal Studies Director, students can count one semester of an appropriate independent study, research, or internship toward the minor (in category 4).

This course is a freshman seminar.

PSY 201 may be used as an elective or to satisfy requirement 3 above, but it may not be used in both categories.

At least half (three) of the courses counting toward the minor must come from outside the student’s major department.
ART

Department Overview
The Art Department’s award-winning faculty, all professional artists or scholars, have exhibited their work in prestigious galleries and published their writings around the globe. Our professors are also dedicated teachers who challenge and inspire students to develop their own self-expression and personal aesthetic.

We offer courses in painting, drawing, traditional photography, digital photography, sculpture, found object art, pottery, ceramics, mosaics, and art history. We have two large studios dedicated exclusively to painting and drawing, another two studios for sculpture and related courses, a ceramics/pottery area with its own kiln house, a darkroom for traditional photography, and a digital photography lab with 30 high-end computers and state-of-the-art software.

Department Mission
Through practice, study and research in a variety of disciplines, the Art Department fosters an appreciation of the transformative nature of art both personally and culturally. Studio and lecture courses in the visual arts and art history integrate intellectually informed, hands-on instruction with elements of creative freedom, independent thought and critical insight.

Providing strong faculty mentorship in both traditional and contemporary methods, the Department encourages individuality and ingenuity in every student. The broadly based curriculum and the rigor of concentration in a specific discipline equips students with the knowledge and skills necessary to flourish beyond the undergraduate experience.

Art Department Environment
The Art Department is the home of the University Gallery in Merion Hall, and the Boland Hall Gallery. The University Gallery mounts six professional exhibitions and one student exhibition each year. The year-end exhibition in the University Gallery is the result of the seniors’ capstone experience, displaying the work of graduating studio art majors. The first exhibition in the Boland Hall Gallery each fall showcases the work of a recent graduate. The Boland Hall Gallery also exhibits student works from the different concentrations, curated by the faculty in those disciplines on an ongoing basis. The final exhibit in the Boland Hall Gallery is the junior majors’ invitational exhibit.

Art in the GEP
All Majors
The “Art, Music/Theater/Film, or Literature” GEP requirement for all majors may be satisfied by any three-credit ART course (Art History or studio course) not requiring a pre-requisite.

Independent Study Program
Independent study courses may be taken for upper division credit in a student’s major department. Advanced or specialized work in Art may be pursued under the guidance of a faculty mentor within the independent study program. Students requesting an independent study should contact the faculty member to be involved in the project at least two weeks prior to the registration period. Students must submit a written project proposal which outlines topics and goals.

College Honors Requirements
To receive College Honors credit, Art majors participate in the Senior Project courses, required of all majors, and complete additional assigned reading, research and discussion that are not required of those students not taking the courses for honors credit. For students in the University Honors program, these two upgraded courses may be counted toward the eight course Honors requirement. To be eligible to participate in College Honors, a student must have a 3.5 GPA. Students interested in completing the College Honors project during their senior year should contact the department chair early in the spring semester of their junior year. More details concerning College Honors may be found in the “Honors Program” section of the catalog.

Art History Courses
All Art History courses are open to all majors with no prerequisites. Students need not take 100-level courses before 200-level courses. All courses fulfill the “Art, Music/Theater/Film, or Literature” requirement.

Students wishing to concentrate in Art History should work closely with their advisors to ensure that their chosen courses cover a wide range of art historical areas (i.e. Ancient, Medieval, Renaissance, and Modern).

Professor: Bruce Wells, Ph.D.; Dennis McNally, S.J., Ph.D.
Associate: Emily Hage, Ph.D.; Susan Fenton, M.F.A.
Assistant: Jury Smith, M.F.A.; Steve Cope, M.F.A.

Chair: Wells

Undergraduate Majors
• Art (p. 73)
• Art as a Second Major (p. 71)
• Art Education (p. 72)

Undergraduate Minors
• Art (p. 74)
• Art History (p. 74)

All Art History courses are open to all majors with no prerequisites. Students need not take 100-level courses before 200-level courses. All courses fulfill the Art/Lit requirement.

Students wishing to concentrate in Art History should work closely with their advisors to ensure that their chosen courses cover a wide range of art historical areas (i.e. Ancient, Medieval, Renaissance, and Modern).

ART 101 Intro to Art History I (3 credits)
A survey of the visual arts and architecture from Pre-Historic times to the Renaissance. Students are introduced to a wide range of artistic practices, styles, and media from many major periods and styles throughout history including pre-historic, Roman, Byzantine, medieval and Gothic.

Attributes: GEP Art/Literature, Undergraduate
ART 102 Art History Survey II (3 credits)
A survey of the visual arts and architecture from the Renaissance to the present. Students are introduced to a wide range of artistic practices, styles, and media, including painting, drawing, prints, photography, sculpture, installation art, performance art, film, video, and architecture. The class examines many major periods and movements in the history of art, including the Italian Renaissance, Impressionism, Cubism, Abstract Expressionism, and the multiple artistic currents that characterize art being created today.
Attributes: GEP Art/Literature, Undergraduate

ART 103 Non Western Art & Architecture (3 credits)
This course moves beyond North America and Europe to offer a global view of the visual arts and architecture. From the Great Pyramids and the Taj Mahal to Ukiyo-e woodcuts, Frida Kahlo’s paintings, and the myriad works by African artists today, such works offer insight into the range and complexity of today’s increasingly globalized climate. For each semester in which it is offered, this course focuses on art from a specific country or region outside of North America and Western Europe, including those found in Africa, Asia, and Central and South America. It takes advantage of the many rich collections of art and architecture in the Philadelphia area by visiting these institutions and analyzing works firsthand.
Attributes: Asian Studies Course, GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

ART 104 The Experience of Architecture (3 credits)
This course is designed to acquaint the student with the medium of architecture as environmental artwork capable of both reflecting a society’s self-image, and directly influencing that image. Works from the Prehistoric through the present periods are included in the scope of this course. The class format includes lectures, discussions, slide presentations, and visits to art historically exemplary buildings in this area and reflectively comparative papers on two buildings per week.
Attributes: GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ART 105 Arts of East Asia (3 credits)
This course introduces students to East Asian art and architecture and to East Asian history and culture in general. Lectures and discussions address major movements in the visual culture of East Asia, including architecture, painting and sculpture. Readings cover both art historical works and primary source material in translation. Themes include religious art, particularly the introduction of Buddhism to East Asia from India, cultural interchange within East Asia, and the collection and display of East Asian art in America. Students are given the opportunity to see relevant works of art in collections in the Philadelphia region.
Attributes: Diversity Course (New GEP), GEP Art/Literature, Globalization Course (New GEP), Non-Western Studies (GEP), Undergraduate

ART 106 Art of Colonial Latin America (3 credits)
This course examines the visual arts of Latin America beginning with the Spanish and Portuguese colonization of the New World until the early nineteenth century when Independence was achieved. It encompasses the study of painting, sculpture, decorative arts and architecture from Mesopotamia, Central America, South America and the Caribbean. We also address issues critical to discussions of the arts of Latin America, such as preconceptions about the political and religious roles in art, appropriation and adaptation of western cultures, the incorporation and relationship with European/American art theory and methods, and the reevaluation of Latin American art today. Students are given the exciting opportunity to examine works of art from Saint Joseph’s University’s important collection of colonial Spanish American art as well as collections at nearby museums.
Attributes: GEP Art/Literature, Non-Western Studies (GEP)

ART 107 Women, Gender, and Art (3 credits)
This course offers a survey of art history with an emphasis on gender. It will consider how gender informs the production, reception, and cultural understanding of art and imagery. Students will consider how gender is relevant to the creation and study of arts and culture. We will study artists who have used art to effect social change. Exploring feminist approaches to art historical study, we will analyze perceptions of gender through visual culture and personal experience. We will examine the ways that certain ideals of masculinity and femininity are represented in art and its history to gain insight into gender performance and sexual identity both in past periods and in contemporary society.
Attributes: Diversity Course (New GEP), Gender Studies Course, GEP Art/Literature, Undergraduate

ART 121 Introduction to Studio Art (3 credits)
This course is designed to introduce the essential elements of painting, drawing and sculpture. Working from the landscape, still life and the figure, students research two-dimensional form and space through tone, size relationships, mark-making and composing the picture plane. Ultimately we try to integrate these elements producing a unified whole as well as finding an equivalent to the artists’ experience. Media range from small pencil drawings to larger more ambitious charcoal drawings.
Attributes: GEP Art/Literature, Undergraduate

ART 133 Drawing I (3 credits)
Students work from their actual visual experience. Working from the landscape, still life and the figure, students research form and space through tone, size relationships, mark-making and composing the picture plane. Ultimately we try to integrate these elements producing a unified whole as well as finding an equivalent to the artists’ experience. Media range from small pencil drawings to larger more ambitious charcoal drawings.
Attributes: GEP Art/Literature, Undergraduate

ART 135 Painting I (3 credits)
This course concentrates on becoming familiar and proficient with the basics of image-making through painting, developing good studio practice, introducing terminology, developing language and examining the work of established professional painters, so that constructive discussions and self-analysis may take place. The subject is studio-based, and the course focuses on working from life (meaning that students work from their actual visual experience) or on learning from the attempt to express an interior reality. Working from various motifs as appropriate, including the landscape, still life and the figure, students research form and space using paint.
Attributes: GEP Art/Literature, Undergraduate
ART 136 Landscape Painting (3 credits)
This course is designed to introduce the student to the essential elements of painting. We research these elements through the unique challenges that arise from notating the landscape, which include: overlapping forms, color temperature, the vastness of an outdoor space, scale relationships and atmospheric perspective. Ultimately we try to integrate these elements producing a unified whole as well as finding an equivalent to the artists’ experience.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 137 Printmaking (3 credits)
In this class we explore the processes of printmaking, resulting in as many as five projects all of which are realized in numbered editions. The areas covered include: reversing the image, direct cutting, color registration, and developing a substantial image from working drawings. The class includes slide presentations and critical discussions of student works.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature

ART 138 Landscape Drawing (3 credits)
This course is designed to introduce the student to the essential elements of drawing from the landscape. We research form and space while working from the landscape. Some of the issues include: reversing the image, direct cutting, color registration, and developing a substantial image from working drawings. The class includes slide presentations and critical discussions of student works.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature

ART 140 3-D Studio Art (3 credits)
This introductory course explores ideas and techniques for thinking critically and working three-dimensionally. Visual language and understanding of form is taught through the use of simple materials such as wood and wire to construct projects. The students discuss the variety of problem-solving issues connected to making sculpture. Three-dimensional theory, language, expression, and practical applications are emphasized along with the use of basic tools.
Attributes: GEP Art/Literature, Undergraduate

ART 142 Pottery I (3 credits)
This course is an introduction to the potter’s wheel. The primary focus is functional pottery with a minor emphasis on building and modeling by hand. Topics include basic handbuilding techniques, basic to intermediate throwing techniques, ceramic surfacing and firing methods, and concept development. In this course, students explore a variety of functional pottery forms including cups, bowls, vases and pitchers. Classes consist of technical demonstrations, lectures, practice time, and critiques.
Attributes: GEP Art/Literature, Undergraduate

ART 143 Mosaics I (3 credits)
This course focuses on the relationship between image and object through an exploration of ceramic tile and mosaics. Found adorning the most sacred of spaces and often performing the most mundane functions, ceramic tile is a form of artistic inquiry that explores the intersection of art and utility. Topics include visual perception and language; basic painting and drawing methods; non-objective, abstract and representational imagery; and the construction, firing, and glazing of ceramic tile and mosaics.
Attributes: GEP Art/Literature, Undergraduate

ART 144 Ceramics I (3 credits)
This course is an introduction to building and modeling clay vessels and sculptures by hand with a minor emphasis on the potter’s wheel. Topics covered include basic to intermediate handbuilding techniques, basic throwing techniques, ceramic surfacing and firing methods, and concept development. Classes consist of technical demonstrations, lectures, practice time, and critiques. In this course, students explore a variety of functional and sculptural forms.
Attributes: GEP Art/Literature, Undergraduate

ART 145 Figurative Sculpture (3 credits)
This introductory course explores ideas and techniques for sculpting the figure from life. Traditional figurative sculpting is taught through study of anatomical proportion, muscular structure, and clay modeling. The history of contemporary figurative sculpture will be explored through lectures, power point presentation, videos, and student research. This class culminates in a project based on contemporary figurative processes.
Attributes: GEP Art/Literature, Undergraduate

ART 147 Intro to Found Object Art (3 credits)
Making art from everyday objects is regarded as a form of sculptural expression. This class will focus on both the historical and contemporary styles of Found Object art-making. Students are required to both find/purchase objects and reconfigure them into sculptures. Common venues for acquiring objects are explored. These include flea markets, thrift stores, recycling centers, garage sales, and one’s own basements/attics. Once acquired we explore the various methods of reconfiguration into objects of art.
Attributes: GEP Art/Literature, Undergraduate

ART 150 Blasphemy & Devotion (3 credits)
Modern and contemporary artists and architects have engaged the many intersections between art and religions, and unprecedented globalization has helped spur dialogs among a wide range of creeds and has called attention to artists’ (sometimes controversial) visual responses to religion worldwide. This course also considers debates raised in recent exhibitions and scholarly texts. Artists studied include VanGogh, Warhol and Kahlo. Although some emphasis is placed on the relationship between art and Catholicism, students also analyze creative responses to many faiths, including other forms of Christianity, Judaism, Hinduism, Buddhism, and Islam.
Attributes: First-Year Seminar, Undergraduate

ART 157 Music History I (3 credits)
ART 170 Spec. Topics & Ind. Study (FR) (3 credits)
Concentrated focus on a selected topic in Art at an introductory level. GEP certifications vary by section.
Attributes: GEP Art/Literature, Undergraduate
ART 171 Color Composition (3 credits)
A hands-on photography course aimed at the student who wants to develop the perceptual, creative and technical skills needed to use a camera effectively, with color film. Presentations of color photographs, class discussions and student critiques of their own work deal with elements of photographic composition, focus, and light. Student work is done in the medium of color slides.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 172 Traditional Photography (3 credits)
This course investigates film-based black and white photography as an expressive and creative medium. Topics include the skills of using a 35mm camera effectively, film processing, basic darkroom printing techniques, and an understanding of the aesthetics of photography. Adjustable 35mm cameras will be provided to any students who need them.
Attributes: GEP Art/Literature, Undergraduate

ART 173 Digital Photography I (3 credits)
This course teaches the fundamental principles of photography using digital materials and equipment. Students will use digital cameras, computers, and scanners as tools for image manipulation and creative expression through the latest version of Adobe Photoshop and Lightroom. Topics will include basic photographic elements of exposure, camera controls, focus, lighting, tone, and a brief introduction to color. A limited number of digital cameras are available to students who need them.
Attributes: GEP Art/Literature, Undergraduate

ART 174 Alt. Photographic Processes (3 credits)
This course is an introduction to the photographic image as it relates to the fine art and contemporary commercial worlds, and the creative possibilities that result from the combination of historic printing methods with contemporary media. Students will learn a variety of alternative processes that can produce or appropriate “photographic” images without the use of a camera. Experimentation with “non-silver” techniques such as solar printing (sun prints), hand-applied emulsions, and computer-generated negatives will allow students to explore their own artistic approach to a photographic printmaking process that does not require extensive technical expertise.
Attributes: GEP Art/Literature, Undergraduate

ART 178 Art History &Photography:Italy (3 credits)
This Art study tour will have a combined emphasis on the history of Italian Renaissance art and the practice of photography. Through travel to the Italian cities of Venice, Florence, and Rome students will have the opportunity to explore the great works of art and architecture that defined the Renaissance in Italy – St. Mark’s Square, the Uffizi, the Sistine Chapel and more. They will also spend time developing photographic skills as they explore these cities with an eye toward creating their own photo essay. Travel will be over Spring Break. No prior experience in either art history or photography is required.

ART 180 Encountering Mystery (3 credits)
This course investigates the relationship between art, religious belief structures, and mystical experience. With a number of texts from Comparative Religion and Art Theory as backdrop, the lectures, discussions, and papers will involve presentations of art and architecture which circumscribe religious belief structures as well as expressions of spiritual conviction. Discussions of the essential elements of the I-am-spiritual-but-not-religious mindset will expose contrasting experiences of the mysterium tremendum et fascinans, the “numinous” wholly Other. Reflection on experience will lead to a stronger ability to express one’s own attitudes about the scientific mindset and the creative expression of spiritual ideas and ideals.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), GEP Art/Literature, Undergraduate

ART 202 Late Antique and Medieval Art (3 credits)
This course examines human cultural production between the years 250 and 1300. Beginning in the last centuries of the Roman Empire, and continuing through the luminous art of the "dark ages," the topics of study conclude with the towering monuments of the French Gothic style. Particular attention is given to works of architecture and engineering, and class discussion explores themes of social as well as political history.
Attributes: GEP Art/Literature, Undergraduate

ART 203 Renaissance Art (3 credits)
This course analyzes key works of art and architecture and art historical trends from the period of the 14th to 17th century. The focus of our exploration is on the art of Europe, with a particular emphasis on Italy, Spain, and the Netherlands. We discuss the careers and works of artists such as Michelangelo, Leonardo da Vinci, and Albrecht Dürer. We also explore the social and historical context of the art they produced. Attention is paid to a variety of art forms, including painting, sculpture, and architecture.
Attributes: GEP Art/Literature, Undergraduate

ART 204 Baroque Art and Architecture (3 credits)
This course analyzes key monuments and art historical trends from the late 17th century to the mid-18th century. The focus of our exploration is on the art of Europe, with a particular emphasis on Italy, Spain, and the Netherlands. We discuss the careers and works of artists such as Caravaggio, Gianlorenzo Bernini, Artemisia Gentileschi, and Jan Vermeer, and also explore the social and historical context of the art they produced. Attention is paid to a variety of art forms, including painting, sculpture, and architecture.
Attributes: GEP Art/Literature, Undergraduate

ART 205 NeoClassic-Impression1780-1880 (3 credits)
From the power of Neoclassicism to the decadence of the fin-de-siècle, painters, sculptors, and architects challenged tradition and transformed art during the dynamic and often turbulent years between 1780 and 1880. The death of the revolutionary hero, the search for spiritual meaning, the "rape" of the countryside by industrialism, the anxious masculinity of romanticism, and the emergence of such conceptions as "Orientalism" and nationalism are some of the themes that are addressed through the art of this period. Students study the careers of such artists as David, Delacroix, Ingres, Gericault, Constable, Turner, and Goya, and the radical landscape painting of the mid-century that foreshadowed Impressionism. Themes explored include gender and sexuality, patronage, and political censorship, and we focus on the social and political contexts in which works were produced, exhibited, and understood.
Attributes: GEP Art/Literature, Undergraduate
ART 206 Impressionism (3 credits)
This course examines paintings produced between the mid-nineteenth and early twentieth centuries. We consider artists from many countries who worked and exhibited in Paris at this time, including Monet, Renoir, Degas, and Cassatt. This course also includes discussion of artists who immediately followed the Impressionists, such as Manet, Seurat, Cézanne, Van Gogh and Gauguin. We consider the reception of these artists' works by their contemporaries and since, and examine these works within their wider artistic, cultural, political, and social contexts.
Attributes: GEP Art/Literature, Undergraduate

ART 207 American Art and Architecture (3 credits)
This course offers a survey of the history of American art and architecture. Organized around important episodes in American history, including the Civil War, the Harlem Renaissance, and the Civil Rights Movement, this course considers such topics as the role of gender and racial identity in the content, authorship, and reception of artworks. The class examines major movements in the history of American art, with an emphasis on works that historically have been overlooked because of the race, gender, religion, nationality, and/or ethnicity of the artist or architect. In an effort to show the currency and relevance of these issues, and to scrutinize how art institutions treat (or ignore) issues of diversity, the course requires students to visit area museums and galleries.
Attributes: GEP Art/Literature, Undergraduate

ART 208 Modern Art & Architecture (3 credits)
This course offers a survey of the history of European and American art and architecture, with a focus on the first half of the 20th century. Students are introduced to a wide range of artistic practices, styles, and media, including painting, drawing, prints, photography, sculpture, film and architecture. The class examines major movements within the history of art, including such artists as Pablo Picasso, Marcel Duchamp, Frida Kahlo, and Salvador Dalí. It takes advantage of the many rich collections of art and architecture in the Philadelphia area by visiting these institutions and analyzing works firsthand.
Attributes: GEP Art/Literature, Undergraduate

ART 209 Contemporary Art (3 credits)
The period from the mid-twentieth century to the present is one of exceptional political, social, cultural, and technological upheaval. This course offers a survey of European and American painting, drawing, prints, photography, sculpture, installation art, performance art, film, video, and architecture within the context of these changes. Topics covered include debates regarding abstraction and figuration, as well as feminism, primitivism, modernism, postmodernism, and the impact of such factors as technology, religion, and war on the creation and reception of art.
Attributes: GEP Art/Literature, Undergraduate

ART 210 Museum Studies (3 credits)
This course explores the history of museums and debates about the nature of collecting and modes of display. Using historical and theoretical texts as well as select case studies, it focuses on the evolving structure and mission of the museum and its impact on our understanding of art and related fields. In addition to the study of the history of exhibitions and the role of the museum, the course investigates the various jobs and responsibilities that people hold within museums. Guest speakers include members of the curatorial, publications, registration, education, and installation staff at various area museums. We take advantage of the distinct art institutions in Philadelphia, exploring their exhibitions and permanent collection displays. Although centered on art museums, this course also considers a broad range of museum practices.
Attributes: GEP Art/Literature, Undergraduate

ART 212 History of Photography (3 credits)
Photography is a widely used but relatively little understood medium. This course offers a survey of photography in the United States and Europe from its invention to the present. We examine the ways in which photography has been employed by amateurs, artists, anthropologists, politicians, and scientists for a wide range of purposes. We also examine how the medium has affected portraiture, painting, documentation, journalism, and advertising. The class considers photography in the context of continuing debates regarding the nature of reality and truth, photography's status as art or document, subjectivity versus objectivity, and issues of originality, authenticity, and power.
Attributes: GEP Art/Literature, Undergraduate

ART 221 Art Education in the Schools (4 credits)
Qualified students are invited to take part in a supervised practicum, teaching at a local grammar school. In this course there are seminar discussions in methods of teaching, levels of mark making, learning styles, art historical references for the learning lessons being taught this week in the school in an eight-week intensive experience of teaching a group of fifteen to thirty primary school students. While this is being done, the student keep a weekly diary from which they construct a ten-page term paper on the meaning of the experience. This is a service learning course. This course may count as a GEP course if taken in conjunction with an introductory studio course (studio, drawing, painting, 3D, ceramics, traditional or digital photography).
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Art Education or Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 233 Drawing II (3 credits)
Our purpose is to explore both formally and conceptually the elements of drawing in order to realize an authentic vision. Through directed exercises students discover new possibilities in the essential experience of drawing. These exercises cover the formal issues including surface and spatial geometry, the relationship between tone or scale to spatial depth, the mark as a means to personal expression and the integration of pictorial elements into a unified whole. In order to create new possibilities, students experiment with developing images and explore how and why images become interesting. This course may be taken as an independent study.
Prerequisites: ART 1311 (may be taken concurrently) or ART 1331 (may be taken concurrently) or ART 121 (may be taken concurrently) or ART 133 (may be taken concurrently)
Attributes: GEP Art/Literature, Undergraduate

ART 235 Painting II (3 credits)
Through lectures, critical discussions course work and examination of the work of established professional painters, students will study content and material issues pertinent to producing compelling artworks. Finding one's own voice as well as an authentic application of the media are primary objectives. Formal concerns such as dynamic composition and rigorous construction of form and space will be stressed. This course may be taken as an independent study.
Prerequisites: ART 135
Attributes: GEP Art/Literature, Undergraduate
ART 239 Concepts and Artmaking (3 credits)
Artists have always made work based on concepts; ideas upon which the image or process is based. For example, the Impressionists in the second half of the 19th century made work based on concepts relevant to the time, choosing to paint common, every day subjects in plain air. Those concepts affected the processes, materials, and subjects of their work. In this course we explore how contemporary artists develop the concepts underpinning their work as well as develop our own conceptual thought concerning art-making. The focus each week is on making our own work. In this regard we will be paying particular attention to the ideas that are motivating us to make the image in the first place, clarifying them by considering some of the factors that influence our ideas and consequently refining the process by which we pursue the development and actualization of those ideas. We will augment our own ideas by researching the concepts of a number of contemporary artists. There are restrictions concerning the materials or medium, except those restrictions that we choose to place on ourselves as a result of the deepening understanding of our concepts and processes. The process of developing your own ideas in art is invaluable if you want to make art in the future; and if not, may simply alter your understanding of the next step you are going to take in your life, helping you to clarify your wants and desires. This course may be taken as an independent study.
Prerequisites: ART 121 or ART 133 or ART 135 or ART 141 or ART 142 or ART 143 or ART 144 or ART 172 or ART 173
Attributes: GEP Art/Literature, Undergraduate

ART 241 Sculpture II (3 credits)
Building on skills acquired in ART 141, this course covers the use of repetition to achieve scale, the relationship between interior and exterior spaces, and the critical analysis associated with these techniques. Projects are executed in simple materials such as wood. This course may be taken as an independent study.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 242 Pottery II (3 credits)
This course covers intermediate wheel-throwing techniques to create complex functional forms, such as teapots, lidded jars, forms within forms, and large vessels. Emphasis is given to the ergonomics of each vessel. Topics also include function as an abstract attribute of material expression and the role of handmade pottery from a historical and contemporary viewpoint. Classes consist of technical demonstrations, lectures, practice time, and critiques. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 243 Mosaics II (3 credits)
This course covers a broad range of ceramic surfacing techniques, from traditional to alternative processes, and explores the relationship among surface, content, form, and function. Topics include surface undulation, surface depth, texture, sheen, color, and value. Students are encouraged to explore the experimental use of materials and to develop a personal approach to glaze and surface. Projects include functional and sculptural work, both two-dimensional and three-dimensional, and emphasize the dialogue between surface and form. This course may be taken as an independent study.
Prerequisites: ART 143 or ART 142 or ART 144
Attributes: GEP Art/Literature, Undergraduate

ART 244 Ceramics II (3 credits)
This course explores the techniques and concepts involved in creating complex hand-built and wheel-thrown vessels and sculptures. Assignments are concept-driven and encourage creative inquiry and independent thought. The emphasis is not only the refinement of skill but the importance of content. Topics include sculptural approaches to clay, the wheel as an idea generating tool, alternative surfacing methods, and other research-driven investigations. Classes consist of technical demonstrations, lectures, practice time, and critiques. This course may be taken as an independent study.
Prerequisites: ART 142 or ART 143 or ART 144
Attributes: GEP Art/Literature, Undergraduate

ART 245 Atmospheric Firing: Wood/Salt (3 credits)
This course explores the effects of wood, salt, and raku firing on pottery and sculpture. Firings include high-fire, midrange, and low-fire. To create a type of visual poetry, the projects in this course focus on the distinct attributes of each firing: fuel source, timing, weather, loading method, and flame path. Topics include the impact of heat movement, atmosphere, and temperature on aesthetics and functionality. Some off-campus events are required, including firing a Japanese style noborigama kiln. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 246 Ceramic Sculpture (3 credits)
Students explore the development of ceramic sculpture from its earliest beginnings to contemporary work being done. A variety of techniques to both construct and glaze ceramics are studied. Students will be expected to produce a body of sculptural work that explores both personal ideas and historical techniques. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 247 Appropriated Art (3 credits)
Making art from everyday objects is regarded as a form of sculptural expression. This class focuses on both the historical and contemporary styles of Found Object art-making. We develop the skills acquired in ART 147 or ART 141. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 248 Figurative Sculpture II (3 credits)
This class consists of research, discussion, and practice on contemporary figurative and body art issues. Projects throughout the semester explore different sculptural working methods, processes, and techniques including armature, traditional materials, molding/casting, and form building. Outcome of student work is focused on understanding of human gesture and individual expression.
Attributes: Undergraduate

ART 266 Women in Modern Theatre (3 credits)
ART 270 Spec. Topics & Ind. Study (SO) (3 credits)
Concentrated focus on a selected topic in Art History. Topic and content vary from semester to semester. Course may be taken twice for credit as the topic changes.
Attributes: GEP Art/Literature, Undergraduate
ART 272 Traditional Photography II (3 credits)
This course provides a continuation or review of film-based camera and
darkroom techniques while introducing more advanced and experimental
development. Topics include archival printing, advanced exposure
controls, experimental camera work, and darkroom print manipulation.
Slide presentations of master photographers will illustrate the flexibility
of the medium and enable students to develop visual analysis, as
well as their own creative expression. Adjustable 35mm film cameras
will be provided to any student who needs one. May be taken as an
independent study with the instructor’s permission during years when it
is not regularly scheduled.
Prerequisites: ART 172
Attributes: GEP Art/Literature, Undergraduate

ART 273 Digital Photography II (3 credits)
This second level digital photography course explores a broad range
of topics in the creative use of digital photography. Using Photoshop
software, students will develop a high level of personal control of their
images. Topics include lighting, perception and use of color, digital
toning and “hand coloring,” combining multiple layers, creative masking,
combining text and images, image web design, digital “silkscreen”
techniques, scanning, and digital fine printing. A limited number of digital
.cameras are available to students who need them.
Prerequisites: ART 275 or ART 173
Attributes: GEP Art/Literature, Undergraduate

ART 275 Color Photography (3 credits)
This course is a comprehensive introduction to digital color photography.
Students learn how light influences color, how colors interact within
an image, and how color influences meaning and emotional impact.
Topics will include camera work and an understanding of light, digital
processing, and printing with an emphasis on color theory and the history
of fine art color photography.
Prerequisites: ART 172 or ART 173
Attributes: GEP Art/Literature, Undergraduate

ART 301 Art and Archaeology: Greece (3 credits)
This course examines the material culture remains of various cities
prominent in the history of Greece. Knossos, the main city of the island
of Crete, Troy, and Mycenae are among the sites studied for their
importance in the Bronze Age (3000-1100 BCE). After a detailed study of
Greek architecture and the evolution of key building types such as the
temple, the stoa, and the theater, students explore the material remains
of Olympia, Delphi, and Athens. The myths associated with these cities
are also included.

ART 302 Art and Archaeology: Italy (3 credits)
An introduction to the art and archaeology of Roman Italy, which will
explore through digital images the major surviving monuments of Rome
and its environs, of the Etruscans, and of other famous sites in Italy.

ART 331 Works on Paper (3 credits)
In this course, students address more sophisticated problems in black
and white composition, using graphite, charcoal, and ink. They then are
introduced to color media appropriate for paper, pastel and aquarelle,
investigate the interaction of drawing and photography, and experiment
with collage techniques. The course presupposes that drawing is a
significant medium in itself and that works on paper are not mere way-
stations to other “heavier” media, such as painting or sculpture. This
course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 333 Drawing III (3 credits)
Drawing III is an intensive and rigorous study of drawing where students
produce an enormous amount of work. The issues we investigate include:
organizing your visual experience into a clear pictorial idea, recognizing
and articulating the structure of a work, the relationships in tone and
the uses of scale as an element. This course is directed to be a more
personal exploration of drawing and images. Students will be encouraged
to produce a series of related images. This course may be taken as an
independent study.
Prerequisites: ART 233
Restrictions: Enrollment is limited to students with a major, minor, or
concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 335 Painting III (3 credits)
This course concentrates on realizing convincing form, rigorous
construction of the entire picture plane and the pursuit of finding an
authentic vision. There is a focus on the scale of the paintings and
tone relationships. We research what personal narrative is and how it
could impact the image. The students produce paintings in a range of
sizes including some very large works. This course may be taken as an
independent study.
Restrictions: Enrollment is limited to students with a major, minor, or
concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 341 Sculpture III (3 credits)
Advanced skills in three-dimensional concepts and techniques. This
course may be taken as an independent study.
Restrictions: Enrollment is limited to students with a major, minor, or
concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 344 Ceramics III (3 credits)
More complex work in ceramic sculpture, pottery-making or mosaics are
studied in this class. It is expected that the students in this class will
explore and develop their personal approach to both ceramic art and
glazing/firing techniques. One other class in ceramics is required before
enrolling in this class. The requirements are designed to develop a strong
sense of the history in ceramics and the students’ own skills in ceramic
art. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 370 Spec. Topics & Ind. Study (JR) (3 credits)
Concentrated focus on a selected topic in Studio Art. Topic and content
vary from semester to semester. Course may be taken twice for credit as
the topic changes.
Attributes: GEP Art/Literature, Undergraduate

ART 372 Directed Projects - Photography (3 credits)
This course provides students with an opportunity to build a
comprehensive portfolio of photographic work. Topics include specific
shooting assignments that lead to individual projects that investigate
the photography student’s personal vision. Lectures and presentations
review the work of selected fine art photographers, both historic and
contemporary, for group discussion and analysis. With input from the
instructor and the class, students develop their own photographic
project in traditional, non-silver, or digital media, reflecting historic
and/or contemporary genres of image making. May be taken as an
independent study with the instructor’s permission during years when it
is not regularly scheduled.
Prerequisites: ART 172 or ART 173 or ART 272 or ART 273
Attributes: GEP Art/Literature, Undergraduate
**ART 373 Photo Essay/Docu Photo (3 credits)**
This course is an introduction to the tradition of documentary photography. Topics will emphasize why people photograph, the stories photographs can tell us, and how photographs can manipulate or evoke emotions. Presentations will include the work of master documentary photographers, both fine art and journalistic, enabling students to discuss and analyze social documentation as well as autobiographical documentation. Assignments will encourage students to look at their own work in a new way and allow them to choose their own subjects for a photographic essay. May be taken as an independent study with the instructor’s permission during years when it is not regularly scheduled.

Prerequisites: ART 273
Attributes: GEP Art/Literature, Undergraduate

**ART 374 Studio Photography (3 credits)**
This course investigates the versatility and creative potential of the photographic studio and the “directed” photographic stage. Topics will include portraiture, full figure study, still life, and staged environments, as well as the controlled lighting and set-ups of a photographic studio. Contemporary and historical references will include slide presentations, as well as visits to a museum or gallery and a professional photography studio. May be taken as an independent study with the instructor’s permission during years when it is not regularly scheduled.

Prerequisites: ART 172 (may be taken concurrently) or ART 172 (may be taken concurrently)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

**ART 444 Ceramics IV (3 credits)**
More complex work in ceramic sculpture, pottery-making or mosaics is studied in this class. It is expected that the students in this class will explore and develop their personal approach to both ceramic art and glazing/firing techniques. One other class in ceramics is required before enrolling in this class. The requirements are designed to develop a strong sense of the history in ceramics and the students’ own skills in ceramic art. This course may be taken as an independent study.

Attributes: GEP Art/Literature, Undergraduate

**ART 470 Spec. Topics & Ind. Study (SR) (3 credits)**
Concentrated focus on a selected topic in Art at an advanced level. Course may be taken twice for credit as the topic changes. GEP certifications vary by section.
Attributes: GEP Art/Literature, Undergraduate

**ART 491 Internship in the Arts I (3 credits)**
Junior and Senior art majors may broaden their perspective by completing an approved internship in the arts. Work in industry, art studios, theatres, galleries and museums offers potential opportunities for internships. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.
Attributes: GEP Art/Literature, Undergraduate

**ART 492 Internship in the Arts II (3 credits)**
Junior and Senior art majors may broaden their perspective by completing an approved internship in the arts. Work in industry, art studios, theatres, galleries and museums offers potential opportunities for internships. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.
Attributes: GEP Art/Literature, Undergraduate

**ART 493 Ind. Research in the Arts I (3 credits)**
Students pursuing advanced independent projects, especially those in connection with departmental or university honors, may register for these courses under the direct mentorship of department faculty. Prior approval of both faculty mentor and chair required.
Attributes: GEP Art/Literature, Undergraduate

**ART 494 Ind. Research in the Arts II (3 credits)**
Students pursuing advanced independent projects, especially those in connection with departmental or university honors, may register for these courses under the direct mentorship of department faculty. Prior approval of both faculty mentor and chair required.
Attributes: GEP Art/Literature, Undergraduate

**ART 495 Senior Project I (Capstone) (3 credits)**
A student majoring in Art (excluding double majors) must do a supervised senior project, which combines both production and analysis. Under a mentor’s guidance the student researches some specific aspect of one of the arts; the first semester’s research should result in a paper describing the research and its intended product. The second semester’s work consists of production and final exhibition or research paper. (Art Education majors and double majors may, but are not required to complete the Senior Project courses. Instead those students may take two additional Art courses).
Attributes: GEP Art/Literature, Undergraduate

**ART 496 Senior Project II (Capstone) (3 credits)**
A student majoring in Art (excluding double majors) must do a supervised senior project, which combines both production and analysis. Under a mentor’s guidance the student researches some specific aspect of one of the arts; the first semester’s research should result in a paper describing the research and its intended product. The second semester’s work consists of production and final exhibition or research paper. (Art Education majors and double majors may, but are not required to complete the Senior Project courses. Instead those students may take two additional Art courses).
Attributes: GEP Art/Literature, Undergraduate

**ART 497 Professional Practices Seminar (3 credits)**
The class is a seminar with practical applications. It is part laboratory for hands-on projects and part discussion group. Projects include: creation of a professional website, creation of a professional resume and creation of writing samples, application for a grant and public speaking. Class trips to galleries and museums will form the basis for discussions about contemporary art and for critical writing assignments. Topics under discussion include: the transition from student to professional, job searches, gallery contracts, grant applications, graduate school options and trends in contemporary art. Class attendance and participation are mandatory. By the end of the semester, students will have a website for their work, a resume, an artist statement and writing samples. They will know how to apply for a grant and they will be aware of the possibilities for employment and exhibition in the arts. The class is aimed at Art majors, but those outside the major will also find it useful.
Attributes: GEP Art/Literature, Undergraduate

**Art as a Second Major**

**Learning Goals and Outcomes**

**Goal 1:** To develop a visual awareness through analysis and creative work.

**Outcome 1.1:** Distinguish the components of a work of art, and
Outcome 1.2: Discuss the context of a work of art.

Goal 2: To manifest their visual awareness in their own work.

Outcome 2.1: Produce a body of creative visual works, and/or
Outcome 2.2: Write critical analysis of visual works of art.

Students wishing a double major with Art as their second major must complete the requirements for the major with the exception of the Senior Project. However, they may take the Senior Project courses with departmental approval.

See here for requirements: https://nextacademiccatalog.sju.edu/arts-sciences/art/art-major

Art Education Major

Learning Goals and Outcomes

Goal 1: To develop a visual awareness through analysis and creative work.

Outcome 1.1: Distinguish the components of a work of art, and
Outcome 1.2: Discuss the context of a work of art.

Goal 2: To manifest their visual awareness in their own work.

Outcome 2.1: Produce a body of creative visual works, and/or
Outcome 2.2: Write critical analysis of visual works of art.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 310</td>
<td>Philosophy of Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following: ¹

Major Requirements

The following Education courses are required for students pursuing K-12 Art Education certification:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 150/150F</td>
<td>Schools in Society-Fr Seminar (GEP First Year Seminar)</td>
<td>3</td>
</tr>
<tr>
<td>EDU 151/151F</td>
<td>Develop, Cognition, &amp; Learning (GEP Social Science course)</td>
<td>3</td>
</tr>
<tr>
<td>or EDU 153</td>
<td>FE Devel, Cognition &amp; Learning</td>
<td></td>
</tr>
<tr>
<td>EDU 232/232F</td>
<td>Reading Literature I</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246/246F</td>
<td>Literacy, Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>EDU 422/422F</td>
<td>Instruct Tech. for Art Edu</td>
<td>3</td>
</tr>
<tr>
<td>SPE 160/160F</td>
<td>Intro to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPE 200/200F</td>
<td>Teaching in Inclusive Environ</td>
<td>3</td>
</tr>
<tr>
<td>SPE 310/310F</td>
<td>Assessment &amp; Progress Monitor (Secondary)</td>
<td>3</td>
</tr>
<tr>
<td>EDU 422/422F</td>
<td>Instruct Tech. for Art Edu</td>
<td>3</td>
</tr>
<tr>
<td>EDU 497</td>
<td>Student Teaching 9-12</td>
<td>12</td>
</tr>
</tbody>
</table>

Art Department courses

Must take nine (9) courses within the art department and one course within the MTF department.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>Intro to Art History I (or the equivalent)</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ Some courses below may have prerequisites – please consult the appropriate department for further information.
ART 102 Art History Survey II (or the equivalent) 1 3
ART 121 Introduction to Studio Art (or the equivalent) 1 3
ART 141 3-D Studio Art (or the equivalent) 1 3
ART 144 Ceramics I (or the equivalent) 1 3
ART 172 Traditional Photography (or the equivalent) 1 3
MTF 157 Western Music Hist: MidAge-1750 3
or MTF 158 Western Music: 1750 to Present 3
Select one Intermediate Studio Art or the equivalent 1 3
Select any two other ART courses 6

1 "equivalents" are to be determined with the signed recommendation of the academic advisor.

Art Major

Students whose primary major is Art will receive a Bachelor of Arts (B.A.) degree upon graduation. The Art Major is designed to provide a concentration in the visual arts, within the context of a liberal arts education.

Our majors have developed careers in a wide range of art-related areas including advertising, gallery and museum curating, graphic design and web design, pottery, interior design, fashion design, and architecture. A

Summative Assessment

During their final two semesters Art majors create a summative portfolio of visual artwork or an in-depth work of critical scholarship. This is the culminating expression of their years of pushing their own personal boundaries so that they might know themselves as artists or historians seeking excellence.

Art majors focusing on studio art present their portfolio as a public exhibition in the Senior Show at the University Gallery in Merion Hall. They will have already had the opportunity to show their work in a juried Junior Show in the Boland Hall Gallery.

Art majors focusing on art history write in-depth research papers and present their findings at a public Senior Art History Thesis Presentation.

For all majors there are at least two faculty mentors and the professor of record, who provide critical perspectives on the progress of their year-long project. The culminating senior project provides an accurate reflection of the degree of success achieved by each major. It provides the basis for the next stage in their creative and scholarly careers.

Learning Goals and Outcomes

Goal 1: To develop a visual awareness through analysis and creative work.

Outcome 1.1: Distinguish the components of a work of art, and

Outcome 1.2: Discuss the context of a work of art.

Goal 2: To manifest their visual awareness in their own work.

Outcome 2.1: Produce a body of creative visual works, and/or

Outcome 2.2: Write critical analysis of visual works of art.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning Component; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 310</td>
<td>Philosophy of Art</td>
<td>3</td>
</tr>
<tr>
<td>Select two of the following 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLA 203</td>
<td>Classical Tragedy</td>
<td></td>
</tr>
<tr>
<td>CLA 301</td>
<td>Mystery &amp; Monument: Ancient Greece</td>
<td></td>
</tr>
<tr>
<td>CLA 302</td>
<td>Mystery &amp; Monument: Ancient Rome</td>
<td></td>
</tr>
<tr>
<td>CLA 304</td>
<td>Etruscan Art and Archaeology</td>
<td></td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td></td>
</tr>
<tr>
<td>COM 200</td>
<td>Communication Theory / Practice</td>
<td></td>
</tr>
<tr>
<td>COM 201</td>
<td>Ethics in Communication</td>
<td></td>
</tr>
<tr>
<td>COM 202</td>
<td>Digital Aesthetics</td>
<td></td>
</tr>
<tr>
<td>COM 402</td>
<td>Advanced Web Design</td>
<td></td>
</tr>
<tr>
<td>CSC 341</td>
<td>Introduction to Graphics</td>
<td></td>
</tr>
<tr>
<td>CSC 342</td>
<td>Computer Vision</td>
<td></td>
</tr>
<tr>
<td>CSC 343</td>
<td>Interactive 3D Game Development</td>
<td></td>
</tr>
<tr>
<td>EDU 362</td>
<td>Social Studies Thru Arts PK-4</td>
<td></td>
</tr>
<tr>
<td>ENG 201</td>
<td>Major American Writers</td>
<td></td>
</tr>
<tr>
<td>ENG 207</td>
<td>Images of Women in Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 319</td>
<td>Postmodernism</td>
<td></td>
</tr>
<tr>
<td>ENG 320</td>
<td>Contexts of Faith in Modern Lit</td>
<td></td>
</tr>
<tr>
<td>ENG 324</td>
<td>Twentieth Century American Lit</td>
<td></td>
</tr>
<tr>
<td>FRE 330</td>
<td>Medieval to Early Mod France</td>
<td></td>
</tr>
<tr>
<td>FRE 331</td>
<td>France: Enlightenment to Today</td>
<td></td>
</tr>
<tr>
<td>FRE 427</td>
<td>The Age of Louis XIV</td>
<td></td>
</tr>
<tr>
<td>FRE 434</td>
<td>French Romanticism</td>
<td></td>
</tr>
<tr>
<td>FRE 437</td>
<td>Surrealism</td>
<td></td>
</tr>
<tr>
<td>GRM 309</td>
<td>German Civilization &amp; Culture</td>
<td></td>
</tr>
<tr>
<td>GRM 402</td>
<td>From German Enlightenment to Realism</td>
<td></td>
</tr>
<tr>
<td>GRM 403</td>
<td>From Bismarck to Hitler</td>
<td></td>
</tr>
<tr>
<td>HIS 201</td>
<td>American History to 1877</td>
<td></td>
</tr>
</tbody>
</table>

Required: 6
Art Minor

HIS 202  American Hist. 1865 to Present
HIS 203  Historical Intro to Latin Am
HIS 205  His Intro to the Islamic World
HIS 208  Historical Intro to Asian Civ
HIS 209  AP European History Credit
HIS 210  Historical Intro to Mod.Africa
HIS 318  Italian Renaissance 1100-1600
HIS 367  Postwar Am, 1945 to the Present
HIS 385  His of Women in Am Since 1820
HIS 387  Popular Culture in the US
ITA 315  Italy Through Art
ITA 402  L’Italiano al Cinema
ITA 425  Art&Madman:Renaissance&Reform
ITA 430  Images of Rome: Papal Rome - Pres
ITA 445  The Medici Court
MAT 136  Mathematics & Visual Arts
MTF 157  Westrn Music Hist: MidAge-1750
MTF 158  Western Music: 1750 to Present
MTF 159  Contemporary Music
MTF 181  Filmmaking Methods
MTF 191  Introduction to the Film
MTF 284  Digital Filmmaking
MTF 285  Short Film Production
MTF 294  Global Cinemas
MTF 389  Animation Workshop
PSY 220  Sensation and Perception
THE 350  The Beauty of God

One may “specialize” in Art History or in Studio Art (ceramics, drawing, painting, photography, sculpture)

Capstone
ART 495  Senior Project I (Capstone)  3
ART 496  Senior Project II (Capstone)  3

Art Minor

Learning Goals and Outcomes

Goal 1: To develop a visual awareness through analysis and creative work.

Outcome 1.1: Distinguish the components of a work of art, and
Outcome 1.2: Discuss the context of a work of art.

Goal 2: To manifest their visual awareness in their own work.

Outcome 2.1: Produce a body of creative visual works, and/or
Outcome 2.2: Write critical analysis of visual works of art.

Students wishing a minor in Art must contact the chair to declare their intention. The minimum requirement for the minor is the completion of six courses in Art (18 credits) and departmental approval. The department offers advising to all declared art minors.

Art History Minor

Learning Goals and Outcomes

Goal 1: To develop a visual awareness through analysis and creative work.

Outcome 1.1: Distinguish the components of a work of art, and
Outcome 1.2: Discuss the context of a work of art.

Goal 2: To manifest their visual awareness in their own work.

Outcome 2.1: Produce a body of creative visual works, and/or
Outcome 2.2: Write critical analysis of visual works of art.

Students wishing a minor in Art History must contact the chair to declare their intention. The minimum requirement for the minor is the completion of six courses in Art History (18 credits) and departmental approval. The department offers advising to all declared Art History minors. Any Art History course offered by the department counts toward the minor; in addition, ITA 315 (Italy through Art) and ITA 425 (The Artist and the Madman in the Renaissance and Reformation), which are offered by the Department of Modern and Classical Languages, also count toward the minor.

Major Requirements

Major Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Fundamental Courses</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select four of the following including one required art history course:</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td><strong>Any Art History course</strong></td>
<td></td>
</tr>
<tr>
<td>ART 104</td>
<td>The Experience of Architecture</td>
<td></td>
</tr>
<tr>
<td>ART 121</td>
<td>Introduction to Studio Art</td>
<td></td>
</tr>
<tr>
<td>ART 133</td>
<td>Drawing I</td>
<td></td>
</tr>
<tr>
<td>ART 135</td>
<td>Painting I</td>
<td></td>
</tr>
<tr>
<td>ART 141</td>
<td>3-D Studio Art</td>
<td></td>
</tr>
<tr>
<td>ART 142</td>
<td>Pottery I</td>
<td></td>
</tr>
<tr>
<td>ART 144</td>
<td>Ceramics I</td>
<td></td>
</tr>
<tr>
<td>ART 145</td>
<td>Figurative Sculpture</td>
<td></td>
</tr>
<tr>
<td>ART 147</td>
<td>Intro to Found Object Art</td>
<td></td>
</tr>
<tr>
<td>ART 172</td>
<td>Traditional Photography</td>
<td></td>
</tr>
<tr>
<td>ART 173</td>
<td>Digital Photography I</td>
<td></td>
</tr>
<tr>
<td>ART 174</td>
<td>Alt. Photographic Processes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select four additional courses within a specialization, three of which must be taken prior to the capstone courses</td>
<td>12</td>
</tr>
</tbody>
</table>

Some courses below may have prerequisites – please consult the appropriate department for further information.
Asian Studies is an interdisciplinary major and minor that encourages, facilitates, and recognizes the study of Asia, broadly defined as the region from the Persian Gulf to the Philippines, including the present states of China, Japan, Korea, Mongolia, Taiwan, Vietnam, Cambodia, Laos, Thailand, Indonesia, Malaysia, Singapore, Burma, Bangladesh, India, Pakistan, Afghanistan, Iran, and the Central Asian Republics of the former Soviet Union.

Asian Studies students prepare themselves for graduate study or professional work by studying the language, history, culture, and politics of the region. Currently, departments including Fine and Performing Arts, History, Political Science, Theology and Religious Studies, Non-Native Languages, and Economics offer Asian Studies courses. Students are encouraged to study abroad in the region as part of their university program. The program offers a limited number of scholarships in support of such study.

Students are required to register and consult with the Director of the Asian Studies program, and may earn a major or minor in Asian Studies.

**Director**
- Carter (HIS)

**Advisory Board**
- Abbas (HIS)
- Balasubramaniam (ECN)
- Carpenter (TRS)
- Carter (HIS)
- Fukuoka (POL)

**Undergraduate**
- Asian Studies (p. 75)

**Undergraduate Minors**
- Asian Studies (p. 77)

**Asian Studies Major**

**Asian Studies: Learning Goals and Objectives**

**Goal 1:** Students will achieve Intermediate Low Oral Proficiency in an Asian language (by ACTFL standards).

**Learning Outcome 1.1:** Students will be able to communicate effectively in an Asian language.

**Goal 2:** Students will explore Asia’s importance in the world through interdisciplinary investigation of the histories, political systems, economies, cultures, and societies of Asia.

**Learning Outcome 2.1:** Students will be able to apply a variety of tools, methods, and perspectives to investigate and interpret important aspects of the history, politics, geography, economics and culture of contemporary Asian societies.

**Goal 3:** Students will conduct research about Asia, evaluate data generated by multiple methodologies, and present their findings effectively.

**Learning Outcome 3.1:** Students will be able to produce cogent, well-organized, and thoroughly researched written and oral presentations on important aspects of East or South Asian language, history, politics, culture and society that display familiarity with the scholarly conventions of the respective disciplines.

The traditional undergraduate programs include 40 courses distributed across three components: a General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**
See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**
See this page about Variable courses (p. 26). Six to Nine courses

**General Education Overlays**
See this page about Overlays (p. 27).

**General Education Integrative Learning Component**
See this page about Integrative Learning Component (p. 27). Three courses

Asian Studies majors are required to take three integrated learning courses. Two of these courses must be Area Studies courses dealing with areas outside Asia. A third course must focus on methodology.

**GEP Electives**

**Major Concentration**

The core of the Asian Studies program is the major. The Asian Studies major requires the following:

- Intermediate language competency in an Asian language
- HIS 208 Historical Introduction to Asia
- Eight electives courses
- A Senior Seminar in Asian Studies

**Foundational Heritage**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 208</td>
<td>Historical Intro to Asian Civ</td>
<td>3</td>
</tr>
</tbody>
</table>

This course provides a broad overview of Asia, and will emphasize the fundamental background on which students will build in their later courses, including the basic linguistic, geographic, cultural, religious, and historical trends that have shaped East and South Asia.
Electives and Concentration

Students must complete a minimum of seven elective courses, reflective of their geographical area of concentration and exclusive of language courses at or below the intermediate level.

Geographic concentration: students must complete a geographical focus, with four elective classes in one of two geographical concentrations:

- East Asia or
- South Asia.

This requirement may also be satisfied by at least one semester of study abroad in the area of concentration.

To insure interdisciplinary breadth, elective courses must be selected from at least four different departments. In addition, electives must be distributed to ensure breadth of study, with at least one course taken from each of three categories:

- Art (e.g., Asian Cinemas), Literature (e.g. Literature of South Asia) and Language (e.g., Japanese Film and Culture)
- Philosophy and Theology and Religious Studies (e.g., Mahayana Buddhism)
- Social Sciences (e.g., Asian Economies; Japanese Politics) and Business

To insure geographical breadth at least two elective courses must be taken outside the student’s concentration (whether East Asia or South Asia).

Area Studies Courses

These classes, which parallel the interdisciplinary nature of the major, afford students the opportunity to explore other major Area Studies fields (Africana Studies, Latin American Studies) taught at SJU. This component complements the major by exposing students to comparative perspectives on history, culture, politics and economics, broadening their understanding of the world and of the place of Asia within it. Note that some of these courses have pre-requisites. These two courses should be selected from any two of the following areas:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 460</td>
<td>African Economies</td>
<td>3</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Literature &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>HIS 210</td>
<td>Historical Intro to Mod.Africa</td>
<td>3</td>
</tr>
<tr>
<td>HIS 211</td>
<td>Historical Intro Pre-ModAfrica</td>
<td>3</td>
</tr>
<tr>
<td>HIS 343</td>
<td>African Ethnicities</td>
<td>3</td>
</tr>
<tr>
<td>POL 335</td>
<td>Comp Pols of MENA</td>
<td>3</td>
</tr>
<tr>
<td>REL 271</td>
<td>African &amp; Caribbean Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

**Africana Studies (includes but is not limited to)**

**Latin American Studies (includes but is not limited to)**

To attain fluency in an Asian language, ideally, students will augment language study at SJU with an immersion experience of a semester or more. Part of the program’s endowment will be dedicated to funding student needs for study abroad.

For languages not offered at SJU (Hindi, Urdu, Korean, etc.), the program will help interested students find appropriate instruction at other institutions or abroad, unless and until SJU is able to offer these languages on campus.

Methodology Course

Asian Studies majors must also take a methodology course. Students will select from a menu of courses designed to introduce them to fundamentals of social science theory. The intent of this course will be to equip students with analytic tools that they may make use of in their Asian Studies courses. Note that some of these courses have pre-requisites. This course may be selected from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td></td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td></td>
</tr>
<tr>
<td>ECN 311</td>
<td>Economic Statistics</td>
<td></td>
</tr>
<tr>
<td>ECN 321</td>
<td>International Trade</td>
<td></td>
</tr>
<tr>
<td>ECN 322</td>
<td>International Macroeconomics</td>
<td></td>
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<tr>
<td>ENG 415</td>
<td>Postcolonial Studies</td>
<td></td>
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<tr>
<td>ENV 105</td>
<td>The Environment</td>
<td></td>
</tr>
<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
<td></td>
</tr>
<tr>
<td>MAT 118</td>
<td>Introduction to Statistics</td>
<td></td>
</tr>
<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
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<td>POL 115</td>
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<td>POL 305</td>
<td>Politics, Ideology, &amp; Film</td>
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<td>POL 368</td>
<td>Women, Gender &amp; World Politics</td>
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<tr>
<td>SOC 211</td>
<td>Classical Sociological Theory</td>
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</table>

Senior Seminar in Asian Studies

The senior experience is designed to enable students to synthesize what they have learned during their time at SJU, and will typically take the form of a research seminar and/or thesis. The expectation is that these papers would be nominated to be presented at the Greater Philadelphia Asian Studies consortium conference each spring.

Language Requirement

All majors are required to attain intermediate language competency in their area of concentration. The language requirement may be satisfied in one of three ways.

1. Two sequential intermediate classes (1200-level) in the same Asian language (each course consisting of a minimum of three semester credit hours) at SJU or another US institution.
2. Language examination confirming intermediate-level competency
3. One semester language intensive study-abroad experience.

This requirement is seen as a minimum. The program encourages majors to attain fluency in an Asian language. Ideally, students will augment language study at SJU with an immersion experience of a semester or more. Part of the program’s endowment will be dedicated to funding student needs for study abroad.

For languages not offered at SJU (Hindi, Urdu, Korean, etc.), the program will help interested students find appropriate instruction at other institutions or abroad, unless and until SJU is able to offer these languages on campus.

Study Abroad

The Asian Studies program considers experience in Asia to be an essential means of understanding. All Asian Studies majors are expected
to spend at least one term (fall, spring, or summer) in a study-abroad program in Asia. There are currently approved programs in China, Japan, and India. This requirement can frequently be met through programs with existing ties to SJU, including The Beijing Center (operated by a consortium of Jesuit universities) and Sofia University in Tokyo, as well as summer programs.

**Asian Studies Minor**

**Asian Studies: Learning Goals and Objectives**

**Goal 1:** Students will achieve Intermediate Low Oral Proficiency in an Asian language (by ACTFL standards).

**Learning Outcome 1.1:** Students will be able to communicate effectively in an Asian language

**Goal 2:** Students will explore Asia’s importance in the world through interdisciplinary investigation of the histories, political systems, economies, cultures, and societies of Asia.

**Learning Outcome 2.1:** Students will be able to apply a variety of tools, methods, and perspectives to investigate and interpret important aspects of the history, politics, geography, economics and culture of contemporary Asian societies.

**Goal 3:** Students will conduct research about Asia, evaluate data generated by multiple methodologies, and present their findings effectively.

**Learning Outcome 3.1:** Students will be able to produce cogent, well-organized, and thoroughly researched written and oral presentations on important aspects of East or South Asian language, history, politics, culture and society that display familiarity with the scholarly conventions of the respective disciplines.

Students completing the Minor in Asian Studies fulfill a six-course requirement. To ensure the interdisciplinary nature of the program, courses must be taken from at least three departments, and no more than three courses from any one department may count for credit toward the minor. Although language competency is not required for the minor, language study is encouraged.

**List of Approved Courses**

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<td>4</td>
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<tr>
<td>or CHN 102</td>
<td>Beginning Chinese II</td>
<td></td>
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<tr>
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<td>Intermediate Chinese I</td>
<td>3</td>
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<td>or CHN 202</td>
<td>Intermediate Chinese II</td>
<td></td>
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<tr>
<td>CHN 301</td>
<td>Chinese Conv and Comp I</td>
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</tr>
<tr>
<td>or CHN 302</td>
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<td>CHN 470</td>
<td>Selected Topics - Chinese</td>
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<tr>
<td>ECN 475</td>
<td>Asian Economies</td>
<td>3</td>
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<td>ECN 477</td>
<td>Chinese Economics</td>
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<td>or JPN 102</td>
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<td>Intermediate Japanese II</td>
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<td>Japanese Conversation</td>
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<td>or JPN 302</td>
<td>Japanese Conversat &amp; Compos II</td>
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<td>JPN 310</td>
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<tr>
<td>or JPN 311</td>
<td>Selections in Japanese Lit II</td>
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<td>Historical Intro to Asian Civ</td>
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<tr>
<td>HIS 350</td>
<td>Exchng &amp; Conq in Mod E. Asia</td>
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<td>Gndr, Ideolgy &amp; Rev in E. Asia</td>
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<td>Late Imperial China</td>
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<td>HIS 353</td>
<td>Modern China</td>
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<td>HIS 354</td>
<td>Japan Since 1800</td>
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<td>HIS 355</td>
<td>ClNism &amp; Ntlnism SE Asia</td>
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<td>HIS 356</td>
<td>Modern South Asia</td>
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<td>HIS 357</td>
<td>History of Islam in Asia</td>
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<td>India &amp; Pak. Colony to Nation</td>
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<td>Seminar in Global/Comp His</td>
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<tr>
<td>REL 351</td>
<td>Indian Buddhism</td>
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<td>REL 352</td>
<td>East Asian Buddhism</td>
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<td>REL 355</td>
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<td>REL 356</td>
<td>Death &amp; Afterlife Chinese Rel</td>
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<tr>
<td>REL 370</td>
<td>Spec Topics in Relig Studies</td>
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</table>

1 May be counted as auxiliary course. To receive Asian Studies credit, a student must petition the committee on Asian Studies, which may approve the course if a substantial part of the student’s work in the course emphasizes Asia.
AUTISM BEHAVIORAL STUDIES

Professors

- Kuykendall
- Rowe (Director)

Assistant Professors

- Fetherston
- Mitchell
- Sharma
- Sullivan

Undergraduate

- Bachelor of Science in Autism Behavioral Studies (p. 78)

Undergraduate Minors

- Autism Studies (p. 80)

Autism Behavioral Studies Major

To meet the growing need for qualified, highly trained providers of autism services and treatment, Saint Joseph's University offers a B.S. in Autism Behavioral Studies. This program offers a rigorous and comprehensive undergraduate major focusing primarily on medically related services and treatment of autism through extensive classroom education and training, as well as hands-on skill development and practice for mastery of classroom concepts. Students complete this major with the option of obtaining a Board Certified Assistant Behavior Analyst Certification (BCaBA).

The curriculum for the Autism Behavioral Studies Major is approved by the Behavior Analyst Certification Board (BACB), accredited by the National Commission for Certifying Agencies in Washington, DC. Applied Behavior Analysis has been endorsed by many state and federal agencies, including state health departments and the U.S. Surgeon General. In order to receive BCaBA certification approval, the Behavior Analyst Certification Board (BACB) requires an approved Bachelor’s degree in a health-related field. With a Bachelor’s degree in Autism Behavioral Studies, completion of the required coursework and field hours, and successfully passing the BCaBA exam, students will obtain national certification as Board Certified Assistant Behavior Analysts (BCaBA), graduating with a highly marketable credential to work in any area of the United States.

Need and demand

According to the Centers for Disease Control, the number of individuals with autism has risen dramatically. Autism is now considered an urgent public health crisis, needing resources, funding and, most importantly, highly trained health professionals and therapists. Research has demonstrated that early, intensive intervention treatment services may greatly improve child development. Further, there is a significant need for adult services for individuals 21 years and older. As the rates of autism continue to climb and the field becomes more specialized, there is an increased demand for highly trained students who specifically focus on autism, especially in the use of evidence-based practices such as Applied Behavior Analysis.

Students majoring in Autism Behavioral Studies will benefit from a comprehensive program of study that includes a rigorous focus in Applied Behavior Analysis and behavioral techniques, biological issues in autism, navigating medical services, community-based advocacy, managing the population of individuals with autism, health policy in autism, coping with the stress of a child or family member with autism, coping methods for providers of autism services, long-term care, ancillary services and other related topics. This comprehensive approach is unique and is highly desirable for students interested in focusing specifically on autism services. The Autism Behavioral Studies program is housed in the Department of Health Services, aligning the program with the medical field and behavioral medicine. The Department of Health Services offers courses in allied and public health, epidemiology, and behavioral medicine. These students go on to work in the field of autism as behavior analysts, occupational and physical therapists, speech pathologists, behavioral medicine specialists, health and hospital administrators, health policy makers and advocates and therapists, as well as other areas of medicine and public health.

Student Learning Goals and Objectives

Goal 1: Graduates of the Autism Behavioral Studies Program will know and understand the potential causes, symptoms and diagnostic criteria of autism spectrum disorders as well as the specific needs of individuals with autism across the lifespan and how they are treated.

Objective 1.1: Demonstrate knowledge of the current theories on the causes of autism spectrum disorders.

Objective 1.2: Demonstrate knowledge of the frequency, characteristics, symptoms, and diagnostic criteria of individuals with autism spectrum disorders.

Objective 1.3: Demonstrate knowledge of the nature of stereotypes, stigma, and discrimination of individuals with autism spectrum disorders.

Goal 2: Graduates of the Autism Behavioral Studies Program will know and understand the unique and specific behavioral needs of individuals with autism as well as both medical and behavioral approaches to autism treatment and related issues.

Objective 2.1: Identify the behavioral needs of children and adults with autism spectrum disorders and demonstrate the current behavioral approaches to treating behavioral issues of individuals with autism using Applied Behavior Analysis and medically related therapeutic services.

Objective 2.2: Demonstrate the ability to communicate orally and in writing in the language of the discipline and particularly on the principles of Applied Behavior Analysis.

Goal 3: Graduates of the Autism Behavioral Studies Program will understand, follow and demonstrate the ethics guidelines and professional codes of conduct for working with individuals with autism.

Objective 3.1: Demonstrate the roles and responsibilities of behavior analysts, therapists, allied health professionals and related staff, and demonstrate understanding of ethics guidelines in working with individuals with autism.
Objective 3.2: Graduates will act as responsible citizens, embracing personal and career objectives that honor and serve individuals with autism and their families.

Goal 4: Graduates of the Autism Behavioral Studies Program will identify and understand the difficulties that families face in coping with autism and the impact of paying for autism-related services, as well as the social and economic impact on families and on society.

Objective 4.1: Identify the impact on parents, siblings, families, and friends of individuals with autism spectrum disorders and demonstrate how to best help these individuals cope with associated stress.

Objective 4.2: Identify the impact of political issues, including funding and approval of services, around autism spectrum disorders.

Goal 5: Graduates of the Autism Behavioral Studies Program will demonstrate how to collect behavioral data using Applied Behavior Analysis, to measure the progress of individuals with autism; to develop behavioral plans for individuals with autism; and/or to conduct research on individuals with autism or on related treatment plans.

Objective 5.1: Collect data on the progress of individuals with autism and develop behavioral plans; or collect data for the purpose of conducting research on a particular topic in the field of autism.

Objective 5.2: Identify and demonstrate methods to empirically assess and evaluate the progress of individuals with autism spectrum disorders for the purpose of developing intervention plans.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

Required courses for the ABS major include:

- One Biology or Chemistry Course with Lab

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

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GEP Electives
8-11 courses

Major Concentration
Eleven courses including:

Core Requirements

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<td>IHS 465</td>
<td>Intro:Autism Spectrum Disorder</td>
<td>3</td>
</tr>
<tr>
<td>IHS 466</td>
<td>ABA and Autism Treatment</td>
<td>3</td>
</tr>
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<td>IHS 467</td>
<td>Social Skills Dev. and Autism</td>
<td>3</td>
</tr>
<tr>
<td>IHS 331</td>
<td>Statistics &amp; Research Methods</td>
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Select either Community-based Research and Advocacy sequence OR BCaBA Certification

Advanced Courses
Choose either Community-based Research and Advocacy sequence OR BCaBA Certification:

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<th>Hours</th>
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<tr>
<td>IHS 468</td>
<td>Resources &amp; Advocacy for Autism</td>
<td>3</td>
</tr>
<tr>
<td>IHS 469</td>
<td>Adult/Transition Autism Serv</td>
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</tr>
<tr>
<td>IHS 470</td>
<td>Senior Seminar</td>
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BCaBA Certification

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<tr>
<td>IHS 474</td>
<td>Functional Analysis and Ethics</td>
<td>4</td>
</tr>
<tr>
<td>IHS 472</td>
<td>Seminar in Autism</td>
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Area Studies

Select four courses from the following (at least two courses must be from Health Services):

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<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>IHS 468</td>
<td>Resources &amp; Advocacy for Autism</td>
<td>3</td>
</tr>
<tr>
<td>IHS 469</td>
<td>Adult/Transition Autism Serv</td>
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<tr>
<td>IHS 471</td>
<td>Special Topics in Autism</td>
<td>3</td>
</tr>
<tr>
<td>IHS 491</td>
<td>Internship in Autism Studies</td>
<td>3</td>
</tr>
<tr>
<td>IHS 110</td>
<td>Psyc Aspects Illness &amp; Disab</td>
<td>3</td>
</tr>
<tr>
<td>IHS 248</td>
<td>Hlth and the School aged Child</td>
<td>3</td>
</tr>
<tr>
<td>LIN 150</td>
<td>First Year Sem in Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>LIN 320</td>
<td>Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>IHS 110</td>
<td>Psyc Aspects Illness &amp; Disab</td>
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<td>IHS 248</td>
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<td>3</td>
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<td>PSY 120</td>
<td>Lifespan Development</td>
<td>3</td>
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<tr>
<td>PSY 121</td>
<td>Child Development</td>
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</tr>
<tr>
<td>PSY 122</td>
<td>Abnormal Psychology/Non-Majors</td>
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| PSY 201| Biological Bases of Behavior               | 3     |

Health Services Courses

Select four courses from the following (at least two courses must be from Health Services):

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</tbody>
</table>

PSY 201 Biological Bases of Behavior 3
Autism Studies Certificate of Proficiency

Michelle Rowe, Ph.D., Chair, Health Services Department
Eileen Sullivan, Pharm.D., Program Director

Program Goals/Objectives

Goal 1: Students will know and understand the potential causes, symptoms and diagnostic criteria of autism spectrum disorders as well as the specific needs of individuals with autism across the lifespan and how they are treated.

Objective 1a. Demonstrate knowledge of the current theories on the causes of autism spectrum disorders.

Objective 1b. Demonstrate knowledge of the frequency, characteristics, symptoms, and diagnostic criteria of individuals with autism spectrum disorders.

Objective 1c. Demonstrate knowledge of the nature of stereotypes, stigma, and discrimination of individuals with autism spectrum disorders.

Goal 2: Students will know and understand the unique and specific behavioral needs of individuals with autism as well as both medical and behavioral approaches to autism treatment and related issues.

Objective 2a. Identify the behavioral needs of children and adults with autism spectrum disorders and demonstrate the current behavioral approaches to treating behavioral issues of individuals with autism using Applied Behavior Analysis and medically related therapeutic services.

Objective 2b. Demonstrate the ability to communicate orally and in writing in the language of the discipline and particularly on the principles of Applied Behavior Analysis.

Goal 3: Students will understand, follow and demonstrate the ethics guidelines and professional codes of conduct for working with individuals with autism.

Objective 3a. Demonstrate the roles and responsibilities of behavior analysts, therapists, allied health professionals and related staff, and demonstrate understanding of ethics guidelines in working with individuals with autism.

Objective 3b. Graduates will act as responsible citizens, embracing personal and career objectives that honor and serve individuals with autism and their families.

Goal 4: Students will identify and understand the difficulties that families face in coping with autism and the impact of paying for autism-related services, as well as the social and economic impact on families and on society.

Objective 4a. Identify the impact on parents, siblings, families, and friends of individuals with autism spectrum disorders and demonstrate how to best help these individuals cope with associated stress.

Objective 4b. Identify the impact of political issues, including funding and approval of services, around autism spectrum disorders.

Goal 5: Students will demonstrate how to collect behavioral data using Applied Behavior Analysis; to measure the progress of individuals with autism; to develop behavioral plans for individuals with autism; and/or to conduct research on individuals with autism or on related treatment plans.

Objective 5a. Collect data on the progress of individuals with autism and develop behavioral plans; or collect data for the purpose of conducting research on a particular topic in the field of autism.

Objective 5b. Identify and demonstrate methods to empirically assess and evaluate the progress of individuals with autism spectrum disorders for the purpose of developing intervention plans.

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<tr>
<td>IHS 474</td>
<td>Functional Analysis and Ethics</td>
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Autism Studies Minor

Student Learning Goals and Objectives

Goal 1: Graduates of the Autism Behavioral Studies Program will know and understand the potential causes, symptoms and diagnostic criteria of autism spectrum disorders as well as the specific needs of individuals with autism across the lifespan and how they are treated.

Objective 1.1: Demonstrate knowledge of the current theories on the causes of autism spectrum disorders.

Objective 1.2: Demonstrate knowledge of the frequency, characteristics, symptoms, and diagnostic criteria of individuals with autism spectrum disorders.

Objective 1.3: Demonstrate knowledge of the nature of stereotypes, stigma, and discrimination of individuals with autism spectrum disorders.

Goal 2: Graduates of the Autism Behavioral Studies Program will know and understand the unique and specific behavioral needs of individuals with autism as well as both medical and behavioral approaches to autism treatment and related issues.

Objective 2.1: Identify the behavioral needs of children and adults with autism spectrum disorders and demonstrate the current behavioral approaches to treating behavioral issues of individuals with autism using Applied Behavior Analysis and medically related therapeutic services.

Objective 2.2: Demonstrate the ability to communicate orally and in writing in the language of the discipline and particularly on the principles of Applied Behavior Analysis.
Goal 3: Graduates of the Autism Behavioral Studies Program will understand, follow and demonstrate the ethics guidelines and professional codes of conduct for working with individuals with autism.

Objective 3.1: Demonstrate the roles and responsibilities of behavior analysts, therapists, allied health professionals and related staff, and demonstrate understanding of ethics guidelines in working with individuals with autism.

Objective 3.2: Graduates will act as responsible citizens, embracing personal and career objectives that honor and serve individuals with autism and their families.

Goal 4: Graduates of the Autism Behavioral Studies Program will identify and understand the difficulties that families face in coping with autism and the impact of paying for autism-related services, as well as the social and economic impact on families and on society.

Objective 4.1: Identify the impact on parents, siblings, families, and friends of individuals with autism spectrum disorders and demonstrate how to best help these individuals cope with associated stress.

Objective 4.2: Identify the impact of political issues, including funding and approval of services, around autism spectrum disorders.

Goal 5: Graduates of the Autism Behavioral Studies Program will demonstrate how to collect behavioral data using Applied Behavior Analysis; to measure the progress of individuals with autism; to develop behavioral plans for individuals with autism; and/or to conduct research on individuals with autism or on related treatment plans.

Objective 5.1: Collect data on the progress of individuals with autism and develop behavioral plans; or collect data for the purpose of conducting research on a particular topic in the field of autism.

Objective 5.2: Identify and demonstrate methods to empirically assess and evaluate the progress of individuals with autism spectrum disorders for the purpose of developing intervention plans.

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<tr>
<td>IHS 465</td>
<td>Intro: Autism Spectrum Disorder</td>
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<td>IHS 466</td>
<td>ABA and Autism Treatment</td>
<td>3</td>
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<tr>
<td>IHS 467</td>
<td>Social Skills Dev. and Autism</td>
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Required Electives

Select three of the following:

- IHS 468 Resources & Advocacy for Autism
- IHS 469 Adult/Transition Autism Serv
- IHS 471 Special Topics in Autism
- IHS 491 Internship in Autism Studies
- LIN 150 First Year Sem in Linguistics
- LIN 320 Phonetics
- PSY 120 Lifespan Development
- PSY 121 Child Development
- PSY 122 Abnormal Psychology/Non-Majors (or Psychology majors course)
- PSY 201 Biological Bases of Behavior
- PSY 222 Neuropsychology
- PSY 226 Psychology of Emotion
- PSY 237 Abnormal Child Psychology

Post-Baccalaureate Autism Studies Certificate

Michelle Rowe, Ph.D., Chair, Health Services Department

Program Goals/Objectives

Goal 1: Students will know and understand the potential causes, symptoms and diagnostic criteria of autism spectrum disorders as well as the specific needs of individuals with autism across the lifespan and how they are treated.

Objective 1a. Demonstrate knowledge of the current theories on the causes of autism spectrum disorders.

Objective 1b. Demonstrate knowledge of the frequency, characteristics, symptoms, and diagnostic criteria of individuals with autism spectrum disorders.

Objective 1c. Demonstrate knowledge of the nature of stereotypes, stigma, and discrimination of individuals with autism spectrum disorders.

Goal 2: Students will know and understand the unique and specific behavioral needs of individuals with autism as well as both medical and behavioral approaches to autism treatment and related issues.

Objective 2a. Identify the behavioral needs of children and adults with autism spectrum disorders and demonstrate the current behavioral approaches to treating behavioral issues of individuals with autism using Applied Behavior Analysis and medically related therapeutic services.

Objective 2b. Demonstrate the ability to communicate orally and in writing in the language of the discipline and particularly on the principles of Applied Behavior Analysis.

Goal 3: Students will understand, follow and demonstrate the ethics guidelines and professional codes of conduct for working with individuals with autism.

Objective 3a. Demonstrate the roles and responsibilities of behavior analysts, therapists, allied health professionals and related staff, and demonstrate understanding of ethics guidelines in working with individuals with autism.

Objective 3b. Graduates will act as responsible citizens, embracing personal and career objectives that honor and serve individuals with autism and their families.

Goal 4: Students will identify and understand the difficulties that families face in coping with autism and the impact of paying for autism-related services, as well as the social and economic impact on families and society.

Objective 4a. Identify the impact on parents, siblings, families, and friends of individuals with autism spectrum disorders and demonstrate how to best help these individuals cope with associated stress.
Objective 4b. Identify the impact of political issues, including funding and approval of services, around autism spectrum disorders.

Goal 5: Students will demonstrate how to collect behavioral data using Applied Behavior Analysis; to measure the progress of individuals with autism; to develop behavioral plans for individuals with autism; and/or to conduct research on individuals with autism or on related treatment plans.

Objective 5a. Collect data on the progress of individuals with autism and develop behavioral plans; or collect data for the purpose of conducting research on a particular topic in the field of autism.

Objective 5b. Identify and demonstrate methods to empirically assess and evaluate the progress of individuals with autism spectrum disorders for the purpose of developing intervention plans.

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<td>3</td>
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<td>IHS 473</td>
<td>Advanced Principles of ABA</td>
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<tr>
<td>IHS 474</td>
<td>Functional Analysis and Ethics</td>
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Practical requirements

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<tr>
<td>IHS 480</td>
<td>ABA Practicum I</td>
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<td>IHS 481</td>
<td>ABA Practicum II</td>
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<tr>
<td>IHS 482</td>
<td>ABA Practicum III</td>
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If pursuing the Board Certified Assistant Behavioral Analyst (BCaBA) credential, the Behavioral Analyst Certification Board requires a grade of "C" or better in the behavioral analysis and practicum courses (IHS 480, IHS 481, IHS 482). Courses must be completed in the sequence outlined above.

Experience Requirement for Board Certified Assistant Behavioral Analyst (BCaBA) Credential.

Students who plan to pursue the BCaBA credential must complete an experience requirement under the supervision of a Behavioral Analyst Credential Board (BACB) approved supervisor. For additional information on options for completing this experience requirement, please see BACB website at www.bacb.com.

The SJU adult learner program offers an intensive practicum to meet the BACB experience requirement. This includes three (3) practicum courses (IHS 480, IHS 481, and IHS 482) which would require 19+ hours per week on site, supervised by the BACB approved supervisor.

IHS 480-IHS 482. Those who plan to pursue the BCaBA credential must also complete 3 practicum courses (19+ hours per week—supervised by a person with the BCBA credential).
BEHAVIORAL NEUROSCIENCES

Director
• Schatz (PSY)

Behavioral Neurosciences Advisory Board
• Becker (PSY)
• Garrigan (PSY)
• Hoffman (PHL)
• King Smith (BIO)
• Murray (CHM)
• Reynolds (CHM)

Undergraduate Minors
• Behavioral Neurosciences (p. 83)

Behavioral Neurosciences Minor

Program Overview
Behavioral neuroscience is a field of endeavor that uses interdisciplinary approaches to study and understand the interaction of brain processes and complex behaviors, human and animal. It is an integration of traditional disciplines as diverse as biology, chemistry, computer science, philosophy, and psychology. The behavioral neuroscience minor is intended to be a first step for undergraduate students contemplating professional, academic, and/or research careers in neuroscience or related fields.

Program Purpose and Specifics

Mission
• Advancing understanding of nervous systems and the part they play in determining behavior.
• Providing students with multidisciplinary training and perspectives needed to approach issues of interest in the broad area of the biological support of behavior.

Learning Goals and Objectives

The learning objectives of the Behavioral Neuroscience program include fostering in students:

• An understanding of theories, concepts, and research findings within the field of behavioral neuroscience.
• The usage of appropriate methodologies to develop knowledge and to examine questions within the field of behavioral neuroscience.
• The ability to apply a knowledge base to phenomena within the field of behavioral neuroscience.
• An awareness and an adoption of values and ethical standards shared by professionals within the field of behavioral neuroscience.

Students complete the Behavioral Neuroscience minor with six courses: Three ‘core’ courses and three electives.

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<th>Code</th>
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<tr>
<td>PSY 205</td>
<td>Neuroscience Foundation</td>
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<tr>
<td>or BIO 412</td>
<td>Neurobiology</td>
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<tr>
<td>PSY 206</td>
<td>Behavioral Neuroscience</td>
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<tr>
<td>PSY 207</td>
<td>Cognitive Neuroscience</td>
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Select three of the following:

Elective Courses
Select three of the following:

Biology
- BIO 101 Bio I: Cells
- BIO 401 Animal Behavior
- BIO 402 Advanced Cell Biology
- BIO 405 Biomechanics
- BIO 411 Molecular Genetics
- BIO 412 Neurobiology
- BIO 417 Systemic Physiology

Chemistry
- CHM 210 Organic Chemistry I
- CHM 215 Organic Chemistry II
- CHM 340 Biochemistry
- CHM 430 Mechanisms in Organic Chem
- CHM 480 Role of Metal Ions in Biology

Computer Science
- CSC 121 Computer Science II
- CSC 201 Data Structures
- CSC 202 Computer Architecture
- CSC 261 Principles of Programming Lang
- CSC 342 Computer Vision
- CSC 362 Artificial Intelligence

Education/Special Education
- SPE 160 Intro to Special Education
- SPE 310 Assessment & Progress Monitor
- SPE 330 Educ Studts w Low Incid Disabi

Interdisciplinary Health Services
- IHS 110 Psyc Aspects Illness & Disab
- IHS 253 Nutrition:Health & Disease
- IHS 263 Theory/AddictionAddictiveBehav
- IHS 357 Autism Spectrum Disorders
- IHS 458 Public Health & Epidemiology

Philosophy
- PHL 322 Philosophy of Science
- PHL 473 Philosophy of Mind

Physics
- PHY 101 General Physics I
- PHY 105 University Physics I
- PHY 110 Understanding Natural World
- PHY 253 Survey of Nanotechnology
- PHY 261 Electronics I
- PHY 419 Biophysics
- PHY 421 Physics of Fluids

Psychology
- PSY 201 Biological Bases of Behavior
- PSY 220 Sensation and Perception
PSY 221 Animal Learning and Memory
PSY 222 Neuropsychology
PSY 223 Health Psychology
PSY 224 Drugs, Brain & Human Behavior
PSY 225 Comparative Animal Behavior
PSY 226 Psychology of Emotion

1 PSY 205 or BIO 412 serve as a prerequisite for PSY 206 and PSY 207.

2 To ensure the interdisciplinary nature of the program, students wishing to complete the minor must select elective courses offered by at least one participating department other than their own major. Courses currently offered by the Departments of Biology, Chemistry, Computer Science, Education/Special Education, Interdisciplinary Health Services, Philosophy, Physics, and Psychology that might support the proposed minor are listed.

Students may petition the Behavioral Neuroscience Advisory Board to receive credit for courses not listed above. The determination of the appropriateness of courses for inclusion in the minor will be made by the director of the program, in consultation with an advisory board. Courses may be taken for Behavioral Neuroscience credit only if the student’s work in the class meets one or more of the following criteria:

• Coursework includes a substantive treatment of brain/behavior relationships.
• Coursework includes a substantive treatment of methodology, techniques, and approaches relevant to neuroscience.
• Coursework in other ways contributes to an understanding of the relationship between nervous systems and behavior or other issues typically addressed by neuroscientists.
BIOLOGY

Department Overview

The undergraduate Biology curriculum begins with a core of courses that presents the fundamentals of the life sciences, both in concept and methodology. After completing the core, students take a distribution of upper division courses with at least one course in each of the three major areas of biology. This distribution strategy insures that all students have broad exposure to an extensive range of topics including cell and molecular biology, microbiology, genetics, plant biology, evolution, physiology, ecology, environmental biology, and animal behavior. The curriculum provides appropriate training for students seeking admission to professional and graduate schools and those who wish to enter the job market directly following graduation.

The presence of diverse and engaged graduate students enhances the academic experience for undergraduate students. The Department of Biology also has a small but strong graduate program that leads to either a MS or a MA degree in biology. The MA degree is primarily designed for post-graduates who are working or wishing to improve their credentials for professional school. The MS degree requires the development and presentation of a thesis based on original research. This degree is more appropriate for full-time students wishing to engage in research as part of a career or as a prelude to graduate training at the doctoral level. Students in the MS program may be eligible for a teaching assistantship that provides a tuition scholarship and stipend.

The faculty of the Department of Biology view teaching as the primary mission of both the Department and the University. In addition, Biology faculty are involved in high caliber scientific research. The interplay between teaching and research, and the involvement of students in faculty research strengthens the Biology curriculum. One of the most important qualities of the Department is the opportunity for undergraduates to participate in faculty research. This mentor-student relationship involves the design and execution of experiments, and is a very enriching learning experience. Students can work with faculty as volunteers, for academic credit, or for pay during the summer months. The research done by students often leads to publications and presentations at national and regional conferences. Whatever the career plans, students are encouraged to seriously consider participating in undergraduate research. Up to two semesters of research may be counted as biology electives.

The Biology program has always been known as a training ground for individuals pursuing professional careers in the life sciences. Many graduates from the Biology program have gone on to professional schools, pursued graduate studies, or entered the work force directly in academic, government, and industrial labs. This requires that our students be prepared to face the challenges of a competitive world. To help them meet these challenges the Department of Biology has established a strong advising program. Faculty commitment to academic advising and accessibility of faculty advisors to students exemplifies the institutional mission of cura personalis.

Biology in the GEP (See Curricula)

The GEP requires that all students take EITHER one semester of a lab-based natural science course (6 contact hours) OR two semesters of lecture-only natural science courses. Students who wish to satisfy the natural science GEP by completing courses in Biology may do so by taking the first semester of the Biology majors, lab-based course sequence, BIO 101, or one of the lab-based, one-semester courses for non-science majors, as they become available. Alternatively, students may fulfill one or both semesters of the natural science GEP by completing one or two of the special one-semester lecture-only Biology courses designed for non-science majors listed below.

Advisory Option - Biology Pre-Professional

Biology majors may satisfy entrance requirements for medical, dental, osteopathic medical, and other schools of the health professions. Students are advised to take elective courses in liberal arts and behavioral sciences.

Professor: Dr. Christina King Smith; Eileen Grogan, Ph.D.; Jonathan Fingerut, Ph.D.; Karen Snetselaar, Ph.D.; Michael P. McCann, Ph.D.; Scott McRobert, Ph.D.
Associate: Edwin Li, Ph.D.; John M. Braverman, S.J., Ph.D.; Julia Lee-Soety, Ph.D.
Assistant: Catalina Arango Pinedo, Ph.D.; Clint J. Springer, Ph.D.; Jennifer C. Tudor, Ph.D.; Matthew D. Nelson, Ph.D.; Shantanu Bhatt, Ph.D.
Lab Coordinator: Denise Marie Ratterman, Ph.D.

Chair: King Smith

Undergraduate

- B.S. in Biology (p. 92)
- Five Year Combined B.S. in Biology/M.S. in Education Option (p. 94)
- Five Year Combined BS/MS or BS/MA in Biology (p. 95)

Undergraduate Minors

- Biology (p. 98)

Graduate

- Master of Science In Biology (p. 97)
- Master of Arts in Biology (p. 96)
BIO 101 Bio I: Cells (4 credits)
The study of the structure and function of representative prokaryotic and eukaryotic cells. Chemical makeup, organelle interactions, energy producing and biosynthetic reactions will be stressed. Three lecture periods, one three-hour laboratory period (BIO 101L or 150L). First of three courses in the core program.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

BIO 101L Bio I: Cells Lab (0 credits)
Students who register for BIO 101 must also register for a BIO 101 laboratory. For example, if you register for BIO 101 you must, at the same time, register for BIO 101L.
Attributes: GEP Natural Science, Undergraduate

BIO 102 Bio II: Genetics (4 credits)
The study of heredity and the mechanism of transmission of genetic information in biological systems. The course material is approached from the population, organismic, and biochemical perspectives. Three lecture periods, one three-hour laboratory period (BIO 102L or 151L).
Prerequisite: BIO 101.
Prerequisites: (BIO 1011 or BIO 1015) or BIO 101
Attributes: Science Course w/Lab (Sci Maj), Undergraduate

BIO 102L Bio II: Genetics Lab (0 credits)

BIO 150 The Science of Learning Science (3 credits)
A first year seminar focusing on the science that underlies how we learn and application of that to teaching and learning science, with a focus on biology. Students will read literature on learning that ranges from how the brain works to current evidenced-based studies of effective ways to teach and learn science. Students will put this new knowledge to work immediately by analyzing their own learning and by designing and teaching hands-on science units to children. Co-requisite: BIO 101.
Attributes: First-Year Seminar

BIO 150L Bio I: Cells Lab Phage (0 credits)
A research-based laboratory for freshman accompanying BIO 101 involving isolation, purification, and preliminary genomic characterization of bacteriophages, viruses that infect bacteria. Open to first year students majoring in Biology, Chemical-Biology, or Environmental Science.
Prerequisites: Successful completion of BIO 101 and 150L fulfills the first year seminar GEP requirement. Students are expected to continue with BIO 151L in the spring. Two 105-minute lab periods.
Attributes: First-Year Seminar, Undergraduate

BIO 151L Bio II: Genetics Lab Phage (0 credits)
A continuation of BIO 150L, this laboratory is conducted in silico to annotate bacteriophage genomes isolated during the fall semester. Complete annotated genomes will be submitted to GenBank. Open to first year students majoring in Biology, Chemical Biology, or Environmental Science.
Prerequisites: BIO 101L or BIO 150L
Attributes: Undergraduate

BIO 160 Heredity & Evolution (3 credits)
A study of human genetics at three levels: human heredity and the inheritance of disease, genes and DNA, and human evolution. Includes discussion of how a cell uses its genetic information and how scientists study genes using genetic engineering techniques.
Successful completion of this course satisfies one of the Natural Science requirements in the GER/GEP. Open to all students except those who have credit for BIO 102. Three lecture periods.
Attributes: GEP Natural Science, Undergraduate

BIO 161 Human Organism (3 credits)
A study of the basic principles of human anatomy, physiology, and genetics. The organization and function of the human body will be described with an appreciation of underlying genetic and evolutionary concepts. Successful completion of this course satisfies one of the Natural Science requirements in the GER/GEP. Open to all students except those who have credit for BIO 201 or 260. Three lecture periods.
Attributes: GEP Natural Science, Undergraduate

BIO 162 Plants and Civilization (3 credits)
This course will examine plants in the context of their importance to people. Plants used for food, fiber, medicine, and recreation will be included. Successful completion of this course satisfies one of the Natural Science requirements in the GEP. Open to all students except biology majors. Biology majors need permission of the Biology Chair to take this course.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology or Physics.
Attributes: Undergraduate

BIO 163 Unseen Life on Earth (4 credits)

BIO 163L Unseen Life on Earth Lab (0 credits)

BIO 165 Exploring the Living World (4 credits)
This course is designed for students not planning to major in science. This course includes a survey of plant and animal life, an overview of bioenergetics, and selected topics in genetics and evolutionary biology. Successful completion of this course fully satisfies the GEP Natural Science requirement. Three lecture periods and one three hour laboratory.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

BIO 165L Exp. Living World Lab (0 credits)

BIO 170 Special Topics (3 credits)

BIO 201 Bio III: Organismic Biology (4 credits)
A survey of all living things followed by more detailed study of plants and animals. Topics include development, nutrition, locomotion, transport, and homeostatic controls. Three lecture periods, one three-hour laboratory period.
Prerequisites: (BIO 1021 or BIO 102 or BIO 1025)
Attributes: Undergraduate

BIO 201L Bio III: Organismic Biol Lab (0 credits)

BIO 260 Anatomy/Physio I Nurs/Al Hlth (4 credits)
This course is designed for students needing preparation in human anatomy and physiology as required for nursing and some allied health programs. It does not fulfill a requirement for a Biology major or minor, nor does it fulfill general education requirements. Students may count either BIO 260 plus BIO 261 or BIO 417 toward graduation, but not both. Three 50-minute lecture periods and one three-hour lab period.
Prerequisites: BIO 101 or BIO 1011 or BIO 1015 or BIO 165
Attributes: Undergraduate
BIO 260L Anatomy & Physiology Lab (0 credits)

BIO 261 Anatomy/Physio Nurs/Al Hlth II (4 credits)
Continuation of BIO 260. This course is designed for students needing preparation in human anatomy and physiology as required for nursing and some allied health programs. For biology majors and minors, completion of BIO 261 may count for one, 400-level Biology elective. It does not satisfy the requirement for a course from groups A, B, or C. nor does it fulfill general education requirements. Students may count either BIO 260 plus BIO 261 or BIO 417 toward graduation, but not both. Three 50-minute lecture periods and one three-hour lab period.
Prerequisites: BIO 260 (may be taken concurrently)
Attributes: Undergraduate

BIO 261L Anatomy & Physiology Lab II (0 credits)

BIO 270 Microbio Nurse/Allied Health (4 credits)
This course is designed for students needing preparation in microbiology as required for nursing and some allied health programs. It does not fulfill a requirement for the Biology major or minor, nor does it fulfill general education requirements. Not open to students who have taken BIO 416 or BIO 422. Three 50-minute lecture periods and one three-hour lab period.
Prerequisites: BIO 101 or BIO 165
Attributes: Undergraduate

BIO 270L Microbio Nurse/Allied Hlth Lab (0 credits)

BIO 320 Science Communication&Outreach (1 credit)
Optional Service Learning course can be taken in conjunction with any Biology course. Guided experience in preparing and presenting hands-on science lessons to K-12 children. Time commitment is 3 hrs per week.
Attributes: Undergraduate

BIO 360 God and Evolution (3 credits)
This course considers a major topic in academic discourse and society at large, the relationship between religion/theology and biological evolution. This course explores the thesis that the two can be compatible — including from an informed scientific point of view. Students in this course learn evolutionary biology, theological account of creation, and how they can be compatible. This course fulfills the "Faith and Reason" requirement of the GEP. It does not fulfill requirements for a Biology major or minor.
Prerequisites: (THE 154 or THE 221) and PHL 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

BIO 390 Biology Seminar (0 credits)
Attendance at three seminars is required each semester during sophomore, junior, and senior years. Approved seminars are posted in the Department. Graded on a P/NP basis.
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.
Attributes: Undergraduate

BIO 401 Animal Behavior (4 credits)
The study of animals and their behaviors, with a strong emphasis on evolutionary relationships and ecology. Live animals will be studied in the classroom, laboratory, and field. Two 50-minute lecture periods, one four-hour laboratory period.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023) or CHM 126
Restrictions: Enrollment is limited to students with a major in Biology or Environmental Science.
Attributes: Undergraduate

BIO 401L Animal Behavior Lab (0 credits)

BIO 402 Advanced Cell Biology (4 credits)
An in-depth analysis of eukaryotic cell structure and function, including membrane structure and transport, cellular organelles, the cytoskeleton, and cell communication. Emphasis will be on experimental approaches to understanding concepts in cell biology. Two 50-minute lecture periods, one four-hour laboratory period.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 126 or CHM 1023)
Restrictions: Enrollment is limited to students with a major in Biology, Chemical Biology or Environmental Science.
Attributes: Undergraduate

BIO 402L Advanced Cell Biology Lab (0 credits)

BIO 403 Biometrics and Modeling (4 credits)
Computer simulation of life science phenomena from the subcellular to population levels. Appropriate statistics are included along with exposure to simulation software. Three 50-minute lecture periods, one three-hour laboratory period.
Prerequisites: BIO 201 and CHM 125
Restrictions: Enrollment is limited to students with a major in Biology.
Attributes: Undergraduate

BIO 404 Biochemistry (3 credits)
An introduction to the chemistry of living systems. The study of important molecules, metabolic pathways, and control systems will be emphasized.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 2321 (may be taken concurrently) or CHM 215 (may be taken concurrently)) and (CHM 125 or CHM 126 or CHM 215 or CHM 1025 or CHM 1023)
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.
Attributes: Undergraduate

BIO 405 Biomechanics (4 credits)
The role of physics in biological systems and the organismal and super-organismal level. Lectures will cover a range of biomechanics disciplines, presenting underlying physical principles and their biological ramifications. Laboratories will provide experience with the experimental techniques available to measure forces relevant to biological systems. Two 75-minute lecture periods, one three-hour laboratory period.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 125 or CHM 1025) and (PHY 1031 or PHY 101 or PHY 105 or PHY 1051)
Attributes: Undergraduate

BIO 405L BioMechanics Lab (0 credits)

BIO 406 Comparative Anatomy (4 credits)
An integrated comparative study of vertebrate structure and development. A synthesis of the embryological development, the gross anatomy, and the histology of selected forms. Two 75-minute lecture periods, one three-hour laboratory period.
Prerequisites: BIO 201 and CHM 125
Restrictions: Enrollment is limited to students with a major in Biology.
Attributes: Undergraduate
BIO 406L Comparative Anatomy Lab (0 credits)

BIO 407 Developmental Biology (4 credits)
A study of the molecular and cellular aspects of development. Emphasis will be on induction, regeneration, and genetic control of differentiation. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 126 or CHM 1023)
Attributes: Undergraduate

BIO 407L Developmental Biology Lab (0 credits)

BIO 408 Histology (4 credits)
A study of the molecular and cellular aspects of development. Emphasis will be on induction, regeneration, and genetic control of differentiation. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 126 or CHM 1023)
Attributes: Undergraduate

BIO 408L Histology Lab (0 credits)

BIO 409 Ecology (4 credits)
A study of the complex interrelationship between organisms and their environment. The course will include discussions on fundamental themes in ecology such as food webs and population growth, as well as topics of current interest such as oil spills and the destruction of the rain forest. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 409L Ecology Lab (0 credits)

BIO 410 Light and Electron Microscopy (4 credits)
A course in techniques of light and electron microscopy, including aspects of technique, theory, and operation through lecture, demonstration, and student exercises. Time for individual use of the confocal and electron microscopes will be provided. A special fee will be assessed. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 410L Light & Electm Microscopy Lab (0 credits)

BIO 411 Molecular Genetics (4 credits)
A course in techniques of light and electron microscopy, including aspects of technique, theory, and operation through lecture, demonstration, and student exercises. Time for individual use of the confocal and electron microscopes will be provided. A special fee will be assessed. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023 or CHM 126) and ENG 101
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.
Attributes: Undergraduate

BIO 411L Molecular Genetics Lab (0 credits)

BIO 412 Neurobiology (4 credits)
Introduction to the structure and function of the vertebrate nervous system. Major topics will include the molecular and cellular basis of neuronal activities, sensory and motor systems, behavior, and higher mental processes. The neurobiology of disease and neuroethics will also be discussed. Laboratory work will include hands-on experience of several neurobiological techniques to measure molecular and biochemical changes in a mouse brain. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 412L Neurobiology Lab (0 credits)

BIO 413 Plant Physiological Ecology (4 credits)
This course will focus on the physiological mechanisms plants use to respond to their environment. Major topic areas include the basic environmental physiology of carbon, water, and mineral nutrient exchange, and the adaptive mechanisms plants use to survive the variety of global environments. Labs will cover common physiological research methods ranging from cellular to whole organism level measurements and will involve both laboratory and field work. Two 75-minute lecture periods, two 90-min laboratory periods. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023 or CHM 126)
Restrictions: Enrollment is limited to students with a major in Biology or Environmental Science.
Attributes: Undergraduate

BIO 413L Plant Physiological Eco Lab (0 credits)

BIO 414 Plant Systematics (4 credits)
Students will learn to recognize vascular plant families and understand how taxonomists study evolutionary relationships among plant groups. Economic, medical, and ecological importance of various seed plants will be emphasized. Two 75-minute lecture periods, two 90-minute laboratory periods. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023 or CHM 126)
Restrictions: Enrollment is limited to students with a major in Biology or Environmental Science.
Attributes: Undergraduate

BIO 414L Plant Systematics Lab (0 credits)

BIO 415 Immunology (4 credits)
An introductory course providing students with an overview of how the immune system works, including molecules, cells and organs of the immune system and their functions and interactions. Discussion of the experimental techniques used to understand the cell-cell interactions that occur in immunity as well as the differentiation and activation of the immune response will be included. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.
Attributes: Undergraduate

BIO 415L Immunology Lab (0 credits)
BIO 415L Immunology Lab (0 credits)

BIO 416 Microbiology (4 credits)
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. The principles of immunity, serology, and virology are also considered. Three 50-minute lecture periods, one three-hour laboratory period.

Prerequisites: BIO 201 and CHM 125

Restrictions: Enrollment is limited to students with a major in Biology, Chemical Biology or Environmental Science.

Attributes: Undergraduate

BIO 416L Microbiology Lab (0 credits)

BIO 417 Systemic Physiology (4 credits)
A study of the fundamental mechanisms of vertebrate physiology. The basis for the function of the various organ systems and the biological controls that result in the integration of these systems will be discussed. Two 50-minute lecture periods, one four-hour laboratory period.

Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 125 or CHM 1025 or CHM 126)

Attributes: Undergraduate

BIO 417L Systemic Physiology Lab (0 credits)

BIO 418 Field Research Techniques (4 credits)

BIO 418L Field Research Techniques Lab (0 credits)

BIO 419 Invertebrate Zoology (4 credits)
A study of the morphology, physiology, behavior, and phylogenetic relationships of the major groups of invertebrates. Participants will compare and contrast the physical and biological challenges facing the invertebrates that live on land, in water, and inside other organisms. The laboratory will include observations and experiments on live and preserved animals. Two 50-minute lecture periods, and two 2-hour lab periods.

Prerequisites: BIO 201 and CHM 125

Attributes: Undergraduate

BIO 419L Invertebrate Zoology Lab (0 credits)

BIO 420 Bioinformatics (4 credits)
Introduction to the use of computers in biology. Students learn about important scientific questions and the contemporary tools used to answer them. Topics include genome sequence assembly and annotation, database mining, genome organization, phylogenetics and genetics of human disease. Two 50-minute lecture periods, one four-hour lab period.

Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 1025 or CHM 125 or CHM 126)

Restrictions: Enrollment is limited to students with a major in Biology.

Attributes: Undergraduate

BIO 420L Bioinformatics Lab (0 credits)

BIO 421 Molecular & Cellular Biophysics (4 credits)
The course is designed to show students how the integration of physics, chemistry and molecular biology are used to explain and predict molecular and cellular processes such as protein-protein interactions, protein folding, diffusion, and signaling. The course will also provide students with a basic understanding and hands-on experience of several biophysical and biochemical laboratory techniques. Two 50-minute lecture periods, one four-hour lab period.

Prerequisites: (BIO 201 or BIO 1031) and (CHM 125 or CHM 1021 or CHM 1023 or CHM 1025 or CHM 126) and (PHY 101 or PHY 105)

Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.

Attributes: Undergraduate

BIO 421L Mol & Cell Biophysics Lab (0 credits)

BIO 422 Applied & Environ Microbiology (4 credits)
The course will introduce us to the complex relationships between microbes and their environment, including other organisms. In the frame of these relationships, we will explore how microbial activities are key to geochemical cycles and to human-engineered processes that are essential part of our lives. Two 50-minute lecture periods, one four-hour lab period.

Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 1025 or CHM 125 or CHM 126)

Restrictions: Enrollment is limited to students with a major in Biology, Chemical Biology or Environmental Science.

Attributes: Undergraduate

BIO 422L Applied & Environ Microbio Lab (0 credits)

BIO 423 Evolution (4 credits)
This course covers the major concepts of evolutionary biology, including natural selection, adaptation, genetic drift, and phylogenetic trees. The course trains students to know how to generate and test evolutionary hypotheses using data and inference. The lab portion of the course encourages hands-on learning through computer simulation and problem-solving. Two 50-minute lecture periods, one four-hour lab period.

Prerequisites: BIO 201 and CHM 125.

Restrictions: Enrollment is limited to students with a major in Evolutionary Biology.

Attributes: Undergraduate

BIO 423L Evolution Lab (0 credits)

BIO 424 Biotechnology (4 credits)
A course in which students will learn how basic cell and molecular biology are used to develop products for biomedical, agricultural and industrial applications. The course will also cover fundamental and emerging techniques in the biotechnology field. The lab section will focus on the steps involved in the production and purification of recombinant proteins expressed in bacterial cells. Two 50-minute lecture periods, one four-hour laboratory period.

Prerequisites: (BIO 201 or BIO 1031) and (CHM 125 or CHM 1021 or CHM 1023 or CHM 1025 or CHM 126)

Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.
BIO 424L Biotechnology Lab (0 credits)

BIO 425 Bacterial Pathogenesis (4 credits)
A study of the physiological, genetic, and biochemical basis underlying some of the commonly encountered bacterial diseases. The course also addresses the roles of antimicrobial compounds and the host immune system in countering disease. Finally, in the lab module for the course, students perform discovery-oriented research as they identify novel genes in enteropathogenic Escherichia coli (EPEC) that affect bacterial virulence in a C. elegans (roundworm) model of disease. Two 75-minute lecture periods, one three-hour laboratory period.
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 425L Bacterial Pathogenesis Lab (0 credits)

BIO 428 Histopathology (4 credits)
A study of the microscopic structure and function of normal and diseased cells, tissues and organs, focusing on vertebrates, with a special emphasis on humans. Using prepared slides and computer images, students will learn to identify and differentiate healthy and pathological samples and relate this to abnormal or disrupted organ function. Two 50-minute lecture periods, two, two-hour lab periods.
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 428L Histopathology Lab (0 credits)
A study of the microscopic structure and function of normal and diseased cells, tissues and organs, focusing on vertebrates, with a special emphasis on humans. Using prepared slides and computer images, students will learn to identify and differentiate healthy and pathological samples and relate this to abnormal or disrupted organ function. Two 50-minute lecture periods, two, two-hour lab periods. Prerequisites: BIO 201 and CHM 125.
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 470 Special Topics (3 credits)
Advanced study on a topic or problem to be arranged with any of the Departmental faculty members. Open to juniors and seniors, with permission of the chair.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 125 or CHM 126 or CHM 1021)
Attributes: Undergraduate

BIO 491 Biology Internship (3 credits)
Internships enable the student to gain first-hand experience working in some field of biology. Interns should work a minimum of 10 hours weekly for 12 weeks to earn credit for a single course. Permission to take an internship for course credit must be obtained prior to beginning the internship. Open to juniors and seniors, with permission of the chair of Biology.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 125 or CHM 126 or CHM 1021)
Attributes: Undergraduate

BIO 493 Undergraduate Research in Bio (3,6 credits)
Laboratory or field work on a specific biological problem in cooperation with a faculty member of the department. Normally requires three hours of work per week for each unit of credit. This course may be taken for credit multiple semesters but only one semester counts as a biology elective. In subsequent semesters this course will count as a general elective. Students need to complete the application form for independent study and have the approval of the department chair and Associate Dean.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 125 or CHM 126 or CHM 1023)
Attributes: Undergraduate

BIO 494 Undergraduate Research in Bio (3,6 credits)
Laboratory or field work on a specific biological problem in cooperation with a faculty member of the department. Normally requires three hours of work per week for each unit of credit. This course may be taken for credit multiple semesters but only one semester counts as a biology elective. In subsequent semesters this course will count as a general elective. Students need to complete the application form for independent study and have the approval of the department chair and Associate Dean.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 125 or CHM 126 or CHM 1023)
Attributes: Undergraduate

BIO 550 Research Techniques (3 credits)
An introduction to techniques commonly used in life science research laboratories. Weekly meetings by different faculty members on their area of specialty. One lecture period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 550L Research Techniques Lab (1 credit)
This course is designed to expose students to the research activity within the department. Students will be rotated through 2-3 faculty research laboratories, working in each lab for a four-week period. Students will select the labs to work in based on their interest. This experience is designed to allow students the opportunity to learn the practical side of laboratory techniques and to help students select a research area for study. Times to be arranged.
Restrictions: Enrollment is limited to Graduate level students.

BIO 552 Graduate Seminar (1 credit)
Presentations and discussions of primary literature articles. Topic varies by semester. One period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 601 Animal Behavior (4 credits)
Study of animals and their behaviors with strong emphasis on evolutionary relationships and ecology. Two lecture periods, one four hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 601L Animal Behavior Lab (0 credits)

BIO 602 Advanced Cell Biology (4 credits)
In depth analysis of eukaryotic cell structure and function. Emphasis is on experimental approaches to understanding concepts in cell biology. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 602L Advanced Cell Biology Lab (0 credits)

BIO 603 Biometrics and Modeling (4 credits)
Computer simulation of life science phenomena from the subcellular to population levels. Appropriate statistics are included along with exposure to simulation software. Two lecture periods, one four-hour laboratory.
Restrictions: Enrollment is limited to Graduate level students.
BIO 604 Biochemistry (3 credits)
An introduction to the study of the chemistry of living systems. The study of important macromolecules, metabolic pathways, and control systems will be emphasized. Two lecture periods.
Restrictions: Enrollment is limited to Graduate level students.

BIO 605 Biomechanics (4 credits)
Students are introduced to the ways in which the behavior, morphology and material composition of plants and animals are affected by and take advantage of physical forces. This course will include lectures given by the members of the Biology and Physics Department, as well as an integrated laboratory section where students will observe and measure the effect of physical forces on organisms in both aquatic and terrestrial systems. Two 75-minute lecture periods, one three-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 605L Biomechanics Lab (0 credits)

BIO 606 Comparative Anatomy (4 credits)
An integrated comparative study of vertebrate structure and development. A synthesis of the embryological development, the gross anatomy, and the histology of selected forms. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 606L Comparative Anatomy Lab (0 credits)

BIO 607 Developmental Biology (4 credits)
A study of the molecular and cellular aspects of development. Emphasis will be on induction, regeneration, and genetic control of differentiation. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 607L Developmental Biology Lab (0 credits)

BIO 608 Histology (4 credits)
A study in depth of the microscopic structure and function of normal cells, tissues and organs as found in the vertebrates. Students will make extensive use of computer imaging, CD-ROM presentations and biological specimens for study in the laboratory. Two three-hour sessions per week.

BIO 608L Histology Lab (0 credits)

BIO 609 Ecology (4 credits)
Study of complex interrelationship between organisms and their environment. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 609L Ecology Lab (0 credits)

BIO 610 Light & Electron Microscopy (4 credits)
The techniques of light and electron microscopy, including aspects of technique, theory, and operation. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 610L Light & Elec Microscopy Lab (0 credits)

BIO 611 Molecular Genetics (4 credits)
Study of the molecular biology of the genetic material, its structure, expression, regulation, and its dynamic nature. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 611L Molecular Genetics Lab (0 credits)

BIO 612 Neurobiology (4 credits)
A study of neural activity using examples from invertebrate and vertebrate model systems. The emphasis will be at the cellular and tissue levels with appropriate neurochemistry and pharmacology included. Laboratory work will focus on computer simulation of neural processes including simple nerve nets. Two lecture periods, one four-hour laboratory.
Restrictions: Enrollment is limited to Graduate level students.

BIO 612L Neurobiology Lab (0 credits)

BIO 613 Plant Physiological Ecology (4 credits)
This course will focus on the physiological mechanisms plants use to respond to their environment. Major topic areas include the basic environmental physiology of carbon, water, and mineral nutrient exchange, and the adaptive mechanisms plants use to survive the variety of global environments. Labs will cover common physiological research methods ranging from cellular to whole organism level measurements and will involve both laboratory and field work. Two 75-minute lecture periods, two 90-minute lab periods.
Restrictions: Enrollment is limited to Graduate level students.

BIO 613L Plant Physiological Eco Lab (0 credits)

BIO 614 Plant Systematics (4 credits)
Students will learn to recognize vascular plant families and understand how taxonomists study evolutionary relationships among plant groups. Economic, medical, and ecological importance of various seed plants will be emphasized. Two 75-minute lecture periods, two 90-minute laboratory periods.
Restrictions: Enrollment is limited to Graduate level students.

BIO 614L Plant Systematics Lab (0 credits)

BIO 615 Immunology (4 credits)
An introductory course providing students with an overview of how the immune system works, including molecules, cells and organs of the immune system and their functions and interactions. Discussion of the experimental techniques used to understand the cell-cell interactions that occur in immunity as well as the differentiation and activation of the immune response will be included. Two 50-minute lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 615L Immunology Lab (0 credits)

BIO 616 Microbiology (4 credits)
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 616L Microbiology Lab (0 credits)

BIO 617 Systemic Physiology (4 credits)
A study of the fundamental mechanisms of vertebrate physiology. The basis for the function of the various organ systems and the biological controls that result in the integration of these systems will be discussed. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.
BIO 617L Systemic Physiology Lab (0 credits)
BIO 618 Field Research Techniques (4 credits)
BIO 618L Field Research Techniques Lab (0 credits)
BIO 619 Invertebrate Zoology (4 credits)
A study of the morphology, physiology, behavior, and phylogenetic relationships of the major groups of invertebrates. Participants will compare and contrast the physical and biological challenges facing the invertebrates that live on land, in water, and inside other organisms. The laboratory will include observations and experiments on live and preserved animals. Two 50-minute lecture periods; two two-hour lab periods. Restrictions: Enrollment is limited to Graduate level students.

BIO 619L Invertebrate Zoology Lab (0 credits)

BIO 620 Bioinformatics Lab (0 credits)

BIO 620L Bioinformatics Lab (0 credits)

BIO 621 Molecular & Cell Biophysics (4 credits)
The course is designed to show students how the integration of physics, chemistry and molecular biology are used to explain and predict molecular and cellular processes such as protein-protein interactions, protein folding, diffusion, and signaling. The course will also provide students with a basic understanding and hands-on experience of several biophysical and biochemical laboratory techniques. Two 50-minute lecture periods, one four-hour lab period. Restrictions: Enrollment is limited to Graduate level students.

BIO 621L Mol & Cel Biophysics Lab (0 credits)

BIO 622 Applied & Environ Microbiology (4 credits)
The course will introduce us to the complex relationships between microbes and their environment, including other organisms. In the frame of these relationships, we will explore how microbial activities are key to geochemical cycles and to human-engineered processes that are essential part of our lives. Two 50-minute lecture periods, one four-hour lab period. Restrictions: Enrollment is limited to Graduate level students.

BIO 622L Applied&Environ Microbioy Lab (0 credits)

BIO 623 Evolution (4 credits)
This course covers the major concepts of evolutionary biology, including natural selection, adaptation, genetic drift, and phylogenetic trees. The course trains students to know how to generate and test evolutionary hypotheses using data and inference. The lab portion of the course encourages hands-on learning through computer simulation and problem-solving. Two 50-minute lecture periods, one four-hour lab period. Restrictions: Enrollment is limited to Graduate level students.

BIO 623L Evolution Lab (0 credits)

BIO 624 Biotechnology (4 credits)
A course in which students will learn how basic cell and molecular biology are used to develop products for biomedical, agricultural and industrial applications. The course will also cover fundamental and emerging techniques in the biotechnology field. The lab section will focus on the steps involved in the production and purification of recombinant proteins expressed in bacterial cells. Two 50-minute lecture periods, one four-hour lab period
Restrictions: Enrollment is limited to Graduate level students.

BIO 624L Biotechnology (0 credits)

BIO 625 Bacterial Pathogenesis (4 credits)
A study of the physiological, genetic, and biochemical basis underlying some of the commonly encountered bacterial diseases. The course also addresses the roles of antimicrobial compounds and the host immune system in counteracting disease. Finally, in the lab module for the course, students perform discovery-oriented research as they identify novel genes in enteropathogenic Escherichia coli (EPEC) that affect bacterial virulence in a C. elegans (roundworm) model of disease. Two 75-minute lecture periods, one three-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 625L Bacterial Pathogenesis Lab (0 credits)

BIO 628 Histopathology (4 credits)
A study of the microscopic structure and function of normal and diseased cells, tissues and organs, focusing on vertebrates, with a special emphasis on humans. Using prepared slides and computer images, students learn to identify and differentiate healthy and pathological samples and relate this to abnormal or disrupted organ function. Two 50-minute lecture periods, two, two-hour lab periods.
Restrictions: Enrollment is limited to Graduate level students.

BIO 628L Histopathology Lab (0 credits)

BIO 629 Science Communication&Outreach (1 credit)

BIO 720 Science Communication&Outreach (1 credit)

BIO 770 Advanced Topics in Biology (3-4 credits)
Topics, course format, and instructors may vary each semester.

BIO 790 Independent Study (3 credits)

BIO 791 Graduate Internship (1-4 credits)

BIO 793 Research (1-6 credits)
Research project undertaken in the laboratory of a member of the graduate faculty. Meeting times arranged.
Restrictions: Enrollment is limited to Graduate level students.

BIO 794 Thesis Research (3,6 credits)
Research credit during preparation of thesis. Times to be arranged.
Restrictions: Enrollment is limited to Graduate level students.

Biology Major

Learning Goals and Objectives for the B.S. in Biology
Goal 1: Students will gain an appreciation and understanding of cell structure and function, the organization of biological systems, and the evolution of biological diversity.

Objective 1.1: Students will be able to describe evolution and the basic mechanisms of evolutionary change.

Objective 1.2: Students will demonstrate knowledge of the major domains of life on earth and the distinctive characteristics of major groups.

Objective 1.3: Students will demonstrate knowledge of anabolic and catabolic pathways used by living organisms to provide energy and macromolecules for synthesis.

Objective 1.4: Students will be able to describe the components of the major trophic levels and diagram the flow of nutrients through food webs in the environment.

Objective 1.5: Students will be able to describe how organisms respond to physiological, environmental and physical challenges.

Objective 1.6: Students will be able to describe the role of genetics at both cellular and organismal levels.

Objective 1.7: Students will demonstrate an understanding of the importance of protein structure and function.

Goal 2: Students will develop skills in experimental design, surveying of scientific literature, data collection, and the interpretation of results, including statistical analysis.

Objective 2.1: Students will demonstrate competency in operating basic laboratory equipment.

Objective 2.2: Students will demonstrate competency in data reduction and presentation, including choosing and interpreting the appropriate statistical tests.

Goal 3: Students will develop skills in presenting scientific information both orally and in writing.

Objective 3.1: Students will be able to develop cogent, well structured, and researched written and oral presentations of scientific content.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 155</td>
<td>Fundamentals of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
<td></td>
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</table>

Natural Science

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells (first semester freshman year)</td>
<td>4</td>
</tr>
</tbody>
</table>

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 120</td>
<td>General Chemistry I (first semester, freshman year)</td>
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<tr>
<td>CHM 120L</td>
<td>General Chemistry Lab I (first semester, freshman year)</td>
<td>2</td>
</tr>
<tr>
<td>CHM 210</td>
<td>Organic Chemistry I (first semester, sophomore year)</td>
<td>3</td>
</tr>
<tr>
<td>CHM 210L</td>
<td>Organic Chemistry Lab I (first semester, sophomore year)</td>
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Physics

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>PHY 101</td>
<td>General Physics I (first semester, junior year)</td>
<td>3</td>
</tr>
<tr>
<td>PHY 101L</td>
<td>General Physics Laboratory I (first semester, junior year)</td>
<td>1</td>
</tr>
</tbody>
</table>

GEP Electives
At least six courses

Biology majors may graduate with 38 or 39 courses instead of the usual 40 course requirement. The student retains the option to take 40 courses.

Major Concentration
Thirteen courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 102</td>
<td>Bio II: Genetics (second semester, freshman year)</td>
<td>4</td>
</tr>
<tr>
<td>BIO 201</td>
<td>Bio III: Organismic Biology (first semester, sophomore year)</td>
<td>4</td>
</tr>
<tr>
<td>BIO 390</td>
<td>Biology Seminar (required each semester for sophomores, juniors and seniors)</td>
<td>0</td>
</tr>
</tbody>
</table>

Select one from each of the following groups: ¹

Group A: Cell Structure and Function

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIO 402</td>
<td>Advanced Cell Biology</td>
</tr>
<tr>
<td>BIO 404</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>BIO 408</td>
<td>Histology</td>
</tr>
<tr>
<td>BIO 410</td>
<td>Light and Electron Microscopy</td>
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<tr>
<td>BIO 411</td>
<td>Molecular Genetics</td>
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<tr>
<td>BIO 412</td>
<td>Neurobiology</td>
</tr>
<tr>
<td>BIO 416</td>
<td>Microbiology</td>
</tr>
<tr>
<td>BIO 421</td>
<td>Molecular &amp; Cellular Biophysic</td>
</tr>
</tbody>
</table>
BIO 424  Biotechnology  
BIO 428  Histopathology  

Group B: Systemic Organization  
BIO 403  Biometrics and Modeling  
BIO 405  Biomechanics  
BIO 407  Developmental Biology  
BIO 413  Plant Physiological Ecology  
BIO 415  Immunology  
BIO 417  Systemic Physiology  
BIO 425  Bacterial Pathogenesis  

Group C: Evolution and Diversity of Life  
BIO 401  Animal Behavior  
BIO 409  Ecology  
BIO 406  Comparative Anatomy  
BIO 414  Plant Systematics  
BIO 419  Invertebrate Zoology  
BIO 420  Bioinformatics  
BIO 422  Applied & Environ Microbiology  
BIO 423  Evolution  

Four additional 400-level biology courses  

Chemistry  
CHM 125  General Chemistry II (second semester, freshman year)  3  
CHM 125L  General Chemistry Lab II (second semester, freshman year)  2  
CHM 215  Organic Chemistry II (second semester, sophomore year)  3  
CHM 215L  Organic Chemistry Lab II (second semester, sophomore year)  1  

Mathematics  
MAT 128  Applied Statistics (first semester, sophomore year)  3  

Physics  
PHY 102  General Physics II (second semester, junior year)  3  
PHY 102L  General Physics Laboratory II (second semester, junior year)  1  

1. BIO 101, BIO 102, BIO 201 and CHM 120, CHM 125 are prerequisite for all 400 level BIO courses.  

Note: Directed readings, special topics Biology Graduate courses and other Biology courses without a lab component can only be counted as a Biology elective and in most cases no more than one such non-lab course may be applied to this requirement. Students with the appropriate Mathematics background and interests can substitute University Physics for General Physics.  

Biology B.A.  
This program allows a student to complete in five years the requirements for both the B.S. in Biology and M.S. in Education degrees with certification to teach biology by permitting an undergraduate student to begin graduate coursework in Education during his/her senior year. The program features:  

1. an independent faculty-directed research project in biology in the summer between the fourth and fifth years,  
2. two graduate courses in biology, and  
3. seven graduate courses in education, including a one semester student teaching experience.  

A student should apply to the Chair of the Department of Biology for admission to this program by the second semester of his/her junior year at the latest. It is anticipated that the graduates of this program will be highly competitive in the rapidly expanding market for qualified high school biology teachers.  

The Pennsylvania Department of Education requirements and program of study sequence for students under the GEP have not yet been finalized. This section will be updated as soon as the requirements are in place. Students interested in the five year program should speak to their academic advisors and to Chair of the Department of Biology as early in their academic careers as possible.  

The Bachelor of Arts degree in Biology is for students who wish to pursue a dual major with Secondary Education (B.S.). The B.A. degree is only available for students who pursue the dual major.  

Requirements for the B.A. in Biology: To become certified to teach at the secondary education level (grades 7-12), students must complete a total of five Education and three Special Education courses, and student teaching. For further details, see the Teacher Education section.  

General Education Signature Courses  
See this page about Signature courses (p. 26). Six courses  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDU 150</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
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</table>

General Education Variable Courses  
See this page about Variable courses (p. 26). Six to Nine courses  

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 150</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Overlays  
See this page about Overlays (p. 27).  

General Education Integrative Learning Component  
See this page about Integrative Learning Component (p. 27). Three courses  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 120</td>
<td>General Chemistry I (first semester, freshman year)</td>
<td>3</td>
</tr>
<tr>
<td>CHM 120L</td>
<td>General Chemistry Lab I (first semester, freshman year)</td>
<td>2</td>
</tr>
<tr>
<td>CHM 210</td>
<td>Organic Chemistry I (first semester, sophomore year)</td>
<td>3</td>
</tr>
<tr>
<td>CHM 210L</td>
<td>Organic Chemistry Lab I (first semester, sophomore year)</td>
<td>1</td>
</tr>
</tbody>
</table>
Environmental Science
ENV 106 Exploring the Earth (first semester, senior year) 4

GEP Electives
At least six courses

Biology majors may graduate with 38 or 39 courses instead of the usual 40 course requirement. The student retains the option to take 40 courses.

Major Concentration
Thirteen courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 102</td>
<td>Bio II: Genetics (second semester, freshman year)</td>
<td>4</td>
</tr>
<tr>
<td>BIO 201</td>
<td>Bio III: Organismic Biology (first semester,</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>sophomore year)</td>
<td></td>
</tr>
<tr>
<td>BIO 390</td>
<td>Biology Seminar (required each semester for</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>sophomores and juniors)</td>
<td></td>
</tr>
</tbody>
</table>

Select one from each of the following four groups: 1

- Group 1
  - BIO 406 Comparative Anatomy
  - BIO 407 Developmental Biology
  - BIO 417 Systemic Physiology

- Group 2
  - BIO 416 Microbiology
  - BIO 419 Invertebrate Zoology

- Group 3
  - BIO 409 Ecology
  - BIO 423 Evolution

- Group 4
  - BIO 413 Plant Physiological Ecology
  - BIO 414 Plant Systematics

Chemistry

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CHM 125</td>
<td>General Chemistry II (second semester, freshman</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>year)</td>
<td></td>
</tr>
<tr>
<td>CHM 125L</td>
<td>General Chemistry Lab II (second semester,</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>sophomore year)</td>
<td></td>
</tr>
<tr>
<td>CHM 215</td>
<td>Organic Chemistry II (second semester,</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>sophomore year)</td>
<td></td>
</tr>
<tr>
<td>CHM 215L</td>
<td>Organic Chemistry Lab II (second semester,</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>sophomore year)</td>
<td></td>
</tr>
</tbody>
</table>

Mathematics

<table>
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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAT 128</td>
<td>Applied Statistics (first semester, sophomore year)</td>
<td>3</td>
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</tbody>
</table>

Physics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHY 101</td>
<td>General Physics I (first semester, junior year)</td>
<td>3</td>
</tr>
<tr>
<td>PHY 101L</td>
<td>General Physics Laboratory I (first semester,</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>junior year)</td>
<td></td>
</tr>
<tr>
<td>PHY 102</td>
<td>General Physics II (second semester, junior year)</td>
<td>3</td>
</tr>
<tr>
<td>PHY 102L</td>
<td>General Physics Laboratory II (second semester,</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>junior year)</td>
<td></td>
</tr>
</tbody>
</table>

1 BIO 101, BIO 102, BIO 201 and CHM 120, CHM 125 are prerequisite for all 400 level BIO courses.

Biology Five-year BS/MS or BS/MA

Students who are completing undergraduate degrees leading to the BS in Biology have the option to complete a combined BS/MS or BS/MA degree in five years (including the summer term after the fifth year). Students electing this option must apply to the graduate program in their senior year and be provisionally accepted before they complete the BS. (Students applying for the BS/MS program must have been accepted by a faculty mentor for the thesis portion of their work at the time of application.) They will be required to complete all the requirements for the normal MS or MA degree, with the following additions/exceptions:

- Students in the five year programs will have the option of taking up to two graduate courses that count toward the graduate degree while they are still enrolled as undergraduates. The graduate courses will only count toward the graduate degree if they are not needed for the BS. For example, a senior exercising the 38 course option for Biology majors can take two graduate level Biology courses, thus complete 40 courses, and use the two graduate courses toward the credits required for the graduate degree. For students in the BS/MS program, it would be possible for the graduate credits to be research credits, if they have begun their graduate research in their senior year. Students exercising these options may be able to graduate in the spring of the fifth year.

- Students in the five year programs will be expected to take at least three credits during the summer between their senior year and the fifth year. These credits may be for research or coursework.

- Students in the five year BS/MS will not take the lab portion of research techniques but should be accepted into a research lab in their senior year. BS/MS students are expected to take three graduate courses: Research Techniques plus two other 3 or 4 credit graduate courses. The balance of the required credits can be graduate research credits.

- Students in the five year programs will be expected to take graduate seminar for both semesters in their fifth year.

- Students considering the five year programs should speak with their advisors and the graduate director as early as possible.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 550</td>
<td>Research Techniques</td>
<td>3</td>
</tr>
<tr>
<td>BIO 550L</td>
<td>Research Techniques Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIO 552</td>
<td>Graduate Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

Electives

Select one from the following groups: 4

- Evolution and Diversity of Life
  - BIO 601 Animal Behavior
  - BIO 606 Comparative Anatomy
  - BIO 609 Ecology
  - BIO 614 Plant Systematics
  - BIO 619 Invertebrate Zoology
  - BIO 620 Bioinformatics
  - BIO 622 Applied & Environ Microbiology
  - BIO 623 Evolution
  - BIO 624 Biotechnology
Cell Structure and Function

BIO 602 Advanced Cell Biology
BIO 604 Biochemistry
BIO 610 Light & Electron Microscopy
BIO 611 Molecular Genetics
BIO 612 Neurobiology
BIO 616 Microbiology
BIO 621 Molecular & Cellul Biophysics
BIO 628 Histopathology

Systemic organization

BIO 603 Biometrics and Modeling
BIO 605 Biomechanics
BIO 607 Developmental Biology
BIO 613 Plant Physiological Ecology
BIO 615 Immunology
BIO 617 Systemic Physiology
BIO 625 Bacterial Pathogenesis

Biology M.A.

Graduate Arts and Sciences
Dr. Karen Snetselaar, Director
Science Center 225
610- 660-1826
ksnetsel@sju.edu

Mission Statement

The Biology Department offers programs leading to the Master of Science (M.S.) and Master of Arts (M.A.) degrees in biology. These flexible programs meet the needs of students wishing to develop their skills as research scientists or prepare for admission to professional school or doctoral programs. Both programs can prepare students to enter science-related careers or help them advance in education or corporate settings.

Description of Programs and Application Guidelines

The graduate programs of the Biology Department are intended for graduates who desire training in specialized fields and who are planning a career in teaching, research or professional practice in these areas. Applicants must have a bachelor’s degree from an accredited college or university and must present evidence of ability to pursue graduate work as exemplified by high scholastic achievement, high GRE test scores and exemplary recommendations. The Biology Department reserves the right to make exceptions or require additional undergraduate coursework prior to admission.

Applicants should submit or have sent to the Office of Graduate Operations the following:

- a completed Saint Joseph’s University graduate application.
- official sealed transcript(s) of undergraduate/graduate coursework. If you are a SJU graduate the Office of Graduate Operations will obtain your SJU transcripts for you.
- official copies of scores of the Graduate Record Examination (general test).
- letters of recommendation from at least two faculty evaluating the candidate’s promise and capacity for graduate study.
- a personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant’s rationale for program choice and professional study.
- $35 application fee – waived if attended an Open House or an SJU graduate.

The M.S. program requires completion of an extensive research project and a written thesis and is typically a full-time program completed within two years. The M.A. program is course-based and more easily accommodates part time as well as full-time students. Non-matriculated students may also, with permission, enroll for isolated credit. Competitive Teaching Assistantships are available for students who qualify and there may be additional opportunities for financial support. Students apply to either the M.S. or the M.A. program depending on their interests. Due to the independent nature of the M.S. program, admission is more competitive. The number of M.S. students admitted each year is also limited by the availability of faculty mentors and may change annually. The graduate admissions committee will evaluate all applicants and decide whether the applicant has sufficient credentials to be admitted to the program. A personal interview with the applicant may be requested.

The biology graduate program accepts applications all year; however students are generally advised to begin their studies in the fall semester because the required Research Techniques course is offered only in fall. Applicants wishing to be considered for teaching or research assistantships for the fall semester are advised to apply by March 1 as funds are limited and funding decisions are typically made by April 1.

Program learning goals and objectives

Goal 1: Students will develop their identity as scientists through interactions with faculty mentors, with their colleagues and with non-scientists. They will become informed about prospective careers for life scientists in government, industry and academia as well as learning about the professional and ethical expectations for scientists.

Objective 1.1: Students will be familiar with the appropriate set of research, laboratory and/or field skills used by specialists in their subfields of choice.

Goal 2: Students will be able to understand and critique articles from the primary literature in biology. They will improve their skills in communicating about science, particularly about biology, including data presentation, writing, and oral communication appropriately targeted to various audiences.

Objective 2.1: Students will be able to locate, read, interpret, evaluate and discuss primary literature in Biology.

Objective 2.2: Students will be able to analyze, interpret and present data of various kinds.

Objective 2.3: Students will design, execute and communicate results of research. (For M.A. students, this will take the form of projects completed for courses. M.S. students will complete a traditional thesis that includes a public defense and a written report.)

Goal 3: Students will develop skills in experimental design, data collection and analysis.

Objective 3.1: Students will be able to analyze, interpret and present data of various kinds.
Objective 3.2: Students will design, execute and communicate results of research. (For M.A. students, this will take the form of projects completed for courses. M.S. students will complete a traditional thesis that includes a public defense and a written report.)

Goal 4: Students will have a deeper and more sophisticated understanding of one or more of the subfields of biology, and they will develop the appropriate set of research, laboratory and/or field skills necessary for specialization in the subfields.

Objective 4.1: Students will increase their knowledge and understanding of one or more of the subfields of biology through assignments in courses and research experiences in courses and/or independent study.

Objective 4.2: Students will be familiar with the appropriate set of research, laboratory and/or field skills used by specialists in their subfields of choice.

Course Requirements
Degree candidates for the Master of Arts Degree in Biology will be required to complete 32 credit hours of graduate study in biology. A minimum of two semesters of seminar must be taken, with a maximum of 4 credit hours counting toward the degree. Students must take Research Techniques (BIO 550) and at least one each from two of the three broad categories of Evolution and Diversity, Cell Structure and Function, and Systemic Organization.

Other specific requirements
1. Successful completion of all requirements must be accomplished within a maximum of 5 years from the time of acceptance to the program.
2. All of the requirements described in this document represent minimum requirements, and it is understood that the Graduate Committee may require additional work to make up for deficiencies in the student’s background. Any exceptions to requirements must be approved by the graduate director.

Biology M.S.
Graduate Arts and Sciences
Dr. Karen Snetselaar, Director
Science Center 225
610-660-1826
ksnetsel@sju.edu

Mission Statement
The Biology Department offers programs leading to the Master of Science (M.S.) and Master of Arts (M.A.) degrees in biology. These flexible programs meet the needs of students wishing to develop their skills as research scientists or prepare for admission to professional school or doctoral programs. Both programs can prepare students to enter science-related careers or help them advance in education or corporate settings.

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- official sealed transcript(s) of undergraduate/graduate coursework. If you are a SJU graduate the Office of Graduate Operations will obtain your SJU transcripts for you.
- official copies of scores of the Graduate Record Examination (general test).
- letters of recommendation from at least two faculty evaluating the candidate’s promise and capacity for graduate study.
- a personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant’s rationale for program choice and professional study.
- $35 application fee – waived if attended an Open House or an SJU graduate.

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Program learning goals and objectives
Goal 1: Students will develop their identity as scientists through interactions with faculty mentors, with their colleagues and with non-scientists. They will become informed about prospective careers for life scientists in government, industry and academia as well as learning about the professional and ethical expectations for scientists.

Objective 1.1: Students will be familiar with the appropriate set of research, laboratory and/or field skills used by specialists in their subfields of choice.

Goal 2: Students will be able to understand and critique articles from the primary literature in biology. They will improve their skills in communicating about science, particularly about biology, including data presentation, writing, and oral communication appropriately targeted to various audiences.
Objective 2.1: Students will be able to locate, read, interpret, evaluate and discuss primary literature in Biology.

Objective 2.2: Students will be able to analyze, interpret and present data of various kinds.

Objective 2.3: Students will design, execute and communicate results of research. (For M.A. students, this will take the form of projects completed for courses. M.S. students will complete a traditional thesis that includes a public defense and a written report.)

Goal 3: Students will develop skills in experimental design, data collection and analysis.

Objective 3.1: Students will be able to analyze, interpret and present data of various kinds.

Objective 3.2: Students will design, execute and communicate results of research. (For M.A. students, this will take the form of projects completed for courses. M.S. students will complete a traditional thesis that includes a public defense and a written report.)

Goal 4: Students will have a deeper and more sophisticated understanding of one or more of the subfields of biology, and they will develop the appropriate set of research, laboratory and/or field skills necessary for specialization in the subfields.

Objective 4.1: Students will increase their knowledge and understanding of one or more of the subfields of biology through assignments in courses and research experiences in courses and/or independent study.

Objective 4.2: Students will be familiar with the appropriate set of research, laboratory and/or field skills used by specialists in their subfields of choice.

Course Requirements
Degree candidates for the Master of Science degree in Biology must be full time students and will be required to complete 30 credit hours of graduate study in biology. All candidates will be required to complete 24 credit hours of formal classroom study and 6 credit hours of thesis research (BIO 794). The 24 credit hours of formal classroom study must be in graduate level courses (600-700 level), which may include up to 4 credit hours of seminar (BIO 552) and 8 credit hours of research (BIO 793). Seminar participation is required during each semester of enrollment.

Thesis requirement
Degree candidates for the Master of Science Degree in Biology will be required to complete a research problem in their area of specialization and to publish their findings in thesis form. A Thesis Committee will be formed to follow the progress of the candidate, evaluate the final thesis and administer a final oral examination based on the thesis research. The Thesis Committee will consist of three faculty members, and be chaired by the candidate’s research mentor. The thesis must be acceptable in both scholarship and literary quality. Both a public presentation of the thesis work and a private defense of the thesis are required. To be recommended for the Master of Science degree in Biology, the candidate must receive approval of the majority of the committee members. Not later than three weeks prior to the commencement at which the degree is to be conferred, two copies of the completed thesis suitable for binding and bearing approval of the Thesis Committee must be deposited in the Department of Biology office. The cost of preparation, reproduction, and binding of the thesis is the responsibility of the candidate.

Other specific requirements
1. The candidate for the M.S. Degree in Biology is required to graduate with a grade point average of at least 3.0.
2. Successful completion of all requirements must be accomplished within a maximum of 5 years from the time of acceptance to the program.
3. All of the requirements described in this document represent minimum requirements, and it is understood that the Thesis Committee may require additional work to make up for deficiencies in the student’s background. Any exceptions to requirements must be approved by the thesis mentor and the graduate director.

Financial Support
Full-time M.S. students can apply for teaching assistantships that include a stipend and tuition scholarship. Other teaching opportunities may be available to both M.A. and M.S. candidate. Students seeking financial support are encouraged to apply by March 1 or earlier for the fall semester.

Biology Minor

Learning Goals and Objectives for the minor in Biology

Goal 1: Students will gain a fundamental understanding of biological systems.

Objective 1.1: Students will understand concepts of basic cellular structure and function.

Objective 1.2: Students will demonstrate knowledge of the organization of biological systems.

Objective 1.3: Students will understand basic concepts concerning the evolution of biological diversity.

Goal 2: Students will develop basic skills in the practice of experimental inquiry into biological systems.

Objective 2.1: Students will understand the rudiments of experimental design.

Objective 2.2: Students will be competent in the operation of basic laboratory equipment.

Objective 2.3: Students will be competent in data collection, interpretation, and the communication of research findings in written and oral form.

The minor in biology requires completion of the following:

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<tr>
<th>Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 120</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 125</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 120L</td>
<td>General Chemistry Lab I</td>
<td>2</td>
</tr>
<tr>
<td>CHM 125L</td>
<td>General Chemistry Lab II</td>
<td>2</td>
</tr>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells</td>
<td>4</td>
</tr>
<tr>
<td>BIO 102</td>
<td>Bio II: Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 201</td>
<td>Bio III: Organismic Biology</td>
<td>4</td>
</tr>
</tbody>
</table>
Select three additional courses from at least two of the following groups:

**Group A: Cell Structure and Function**

- BIO 402 Advanced Cell Biology
- BIO 404 Biochemistry
- BIO 408 Histology
- BIO 410 Light and Electron Microscopy
- BIO 411 Molecular Genetics
- BIO 412 Neurobiology
- BIO 416 Microbiology
- BIO 421 Molecular & Cellular Biophysics
- BIO 424 Biotechnology
- BIO 428 Histopathology

**Group B: Systemic Organization**

- BIO 403 Biometrics and Modeling
- BIO 405 Biomechanics
- BIO 407 Developmental Biology
- BIO 413 Plant Physiological Ecology
- BIO 415 Immunology
- BIO 417 Systemic Physiology
- BIO 425 Bacterial Pathogenesis

**Group C: Evolution and Diversity of Life**

- BIO 401 Animal Behavior
- BIO 409 Ecology
- BIO 406 Comparative Anatomy
- BIO 414 Plant Systematics
- BIO 419 Invertebrate Zoology
- BIO 420 Bioinformatics
- BIO 422 Applied & Environ Microbiology
- BIO 423 Evolution
CHEMICAL BIOLOGY

Director
• Cerda

Chemical Biology Advisory Board
• Cerda
• Graham
• King Smith
• Lee-Soety
• Li
• Zurbach

Undergraduate Major
• Chemical Biology (p. 100)

Chemical Biology Major
Director
• Cerda

Chemical Biology Advisory Board
• Cerda
• King Smith
• Lee-Soety
• Li
• Rao

Program Overview
The major in Chemical Biology addresses the growing interest that many biologists have in the molecular aspects of biology and the increasing emphasis that many chemists place on the significance of chemical interactions and reactions in biological systems. The mission of the major in Chemical Biology is to provide students with an inter-disciplinary and thorough training in both biology and chemistry so that they can understand and investigate the chemical processes that take place at the molecular level in living systems. Chemical Biology majors take a wide variety of chemistry and biology courses with the flexibility to focus on particular areas of their own interest. All students majoring in Chemical Biology engage in faculty-directed independent research projects as part of the major requirement. This gives students the opportunity to apply the principles that they have learned in the classroom and laboratory to the solution of real world scientific problems. In doing research, students gain hands-on experience in the use of state-of-the-art instrumentation, data analysis and interpretation. Students have presented their research at local and national conferences and in journal publications.

A major in Chemical Biology provides a strong academic background for students interested in pursuing graduate, professional and industrial careers at the interface between chemistry and biology. Students in the major benefit from the presence of pharmaceutical, chemical and biochemical industries, and many strong graduate and professional programs in the Philadelphia region. Chemical Biology majors have gone on to careers in cellular and molecular biology, biochemistry, genetics, pharmacy and pharmacology, medicine, biotechnology, forensic science and neuroscience.

Learning Goals and Objectives
Goal 1: Students will gain an appreciation of the integration of chemistry and biology to solve scientific problems.

Objective 1.1: Students will use fundamental chemical principles such as molecular structure, bonding, and interactions, stoichiometry, kinetics, equilibrium, and thermodynamics to understand and explain biological systems, processes, and structures.

Objective 1.2: Student will demonstrate knowledge of biochemical pathways used by living organisms to provide energy and macromolecules for synthesis.

Objective 1.3: Students will understand the biochemical underpinnings of how organisms respond to changes in their environment.

Objective 1.4: Students will work independently and in collaboration with others in the investigation of problems in biology and chemistry.

Goal 2: Students will understand the role of chemical properties in biological systems and processes.

Objective 2.1: Student will describe the molecular mechanism of evolutionary change and genetic variation at both the cellular and organismal levels.

Objective 2.2: Students will understand the biochemical underpinnings of how organisms respond to changes in their environment.

Goal 3: Students will acquire research experience through faculty-supervised independent projects in chemistry or biology.

Objective 3.1: Students will search the literature for published work relevant to a problem of interest.

Objective 3.2: Students will use, in a "hands on" environment, chemical tools and instrumentation to study and solve problems involving chemical and biological systems, processes and structures.

Objective 3.3: Students will analyze data, including data reduction, presentation, and interpretation.

Objective 3.4: Students will work independently and in collaboration with others in the investigation of problems in biology and chemistry.

Objective 3.5: Students will conduct research in an ethical manner.

Goal 4: Students will effectively communicate scientific information.

Objective 4.1: Students will develop cogent, well structured, and researched written and oral presentations of scientific content.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**
See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**
See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAT 155</td>
<td>Fundamentals of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

**Natural Science**
Select one of the following:

- PHY 102 General Physics II
- & 102L General Physics Laboratory II
- PHY 106 University Physics II
- & 106L University Physics Lab II

**General Education Overlays**
See this page about Overlays (p. 27).

**General Education Integrative Learning Component**
See this page about Integrative Learning Component (p. 27). Three courses

<table>
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</thead>
<tbody>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells</td>
<td>4</td>
</tr>
</tbody>
</table>

Select three of the following:

- BIO 402 Advanced Cell Biology
- BIO 410 Light and Electron Microscopy
- BIO 411 Molecular Genetics
- BIO 412 Neurobiology
- BIO 415 Immunology
- BIO 416 Microbiology
- BIO 420 Bioinformatics
- BIO 422 Applied & Environ Microbiology
- BIO 424 Biotechnology
- BIO 425 Bacterial Pathogenesis

**Chemistry**
- CHM 125 General Chemistry II
- or CHM 126 General Chemistry Honors II
- CHM 125L General Chemistry Lab II
- CHM 330 Instrumental Analysis
- CHM 330L Instrumental Analysis Lab
- CHM 210 Organic Chemistry I
- CHM 215 Organic Chemistry II
- CHM 210L Organic Chemistry Lab I
- CHM 215L Organic Chemistry Lab II
- CHM 320 Physical Chem for Cheml Bio

Select one of the following in-depth Chemistry courses:

- CHM 400 Biogeochemistry
- CHM 410 Biophysical Chemistry
- CHM 420 Environmental Chemistry
- CHM 430 Mechanisms in Organic Chem
- CHM 435 Tech Applications of Chemistry
- CHM 440 Organometallic Chemistry
- CHM 460 Water Chemistry
- CHM 480 Role of Metal Ions in Biology
- CHM 490 Spectroscopy

Select one of the following:

- BIO 404 Biochemistry
- CHM 340 Biochemistry
- & 340L and Biochemistry Lab

Select one of the following:

- BIO 493 Undergraduate Research in Bio
- or BIO 494 Undergraduate Research in Bio
- CHM 393 Junior Research I
- or CHM 394 Junior Research II
- CHM 493 Senior Research I
- or CHM 494 Senior Research II

**Select the following:**

Hours A Chemical Biology major must register for Chemical Biology Seminar each semester as a junior and a senior.
CHEMISTRY

Department Overview
Chemistry is the branch of science that tries to understand the relationships between the detailed structure of a substance and its properties and reactivity. Chemistry is concerned both with naturally occurring substances and with new substances that are created by humans. Chemists work to determine why substances differ in their properties and how these properties can be controlled and used effectively. An important objective in chemical education is to develop in students the ability to solve problems by employing the techniques of the various sub-disciplines of chemistry. A student who is majoring in chemistry at Saint Joseph’s University is introduced to all of the major sub-disciplines: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry. Throughout the program, emphasis is placed on chemistry as a laboratory science. Consequently, a student majoring in chemistry learns not only the basic theories of chemistry, but also how to use experimental techniques to solve chemical problems. The modern research-grade instrumentation in our laboratories enhances the experimental experiences of our students. Faculty members teach all of the sections of laboratory courses. In addition, chemistry majors are able to engage in faculty-directed independent research projects in the traditional sub-disciplines of chemistry and environmental chemistry during the academic year and/or in the summer. Students often have the opportunity to present the results of their research in the chemical literature and at local, regional, and national scientific meetings. The curriculum for the chemistry major is designed to prepare students for continuing their educations in graduate and professional schools as well as for employment in the chemical and pharmaceutical industries and government laboratories. The American Chemical Society certifies the curriculum of the Bachelor of Science degree in Chemistry.

Departmental Mission
The Department of Chemistry trains students in both the theoretical and experimental aspects of the major sub-disciplines of chemistry. Our modern research-grade instrumentation makes it possible for students to explore contemporary problems in all of these areas. Chemistry majors are encouraged to engage in faculty-directed independent research projects and to present the results of their studies in the chemical literature and at scientific meetings. The curriculum for a chemistry major prepares the graduates to continue their educations in graduate and professional schools or to work in the chemical and pharmaceutical industries and in government laboratories. Our alumni are aware that through chemistry they can continue to make contributions to society that are of service to others.

Advisory Option—Chemistry Premedical
Students planning to enter medical or dental school should take BIO 101-BIO 102.

Advisory Option—Chemistry and Business
Students who intend to pursue studies toward the M.B.A. or who plan careers in the marketing or management areas of the chemical industry should minor in business.

Chemistry in the GEP
(See Curricula (p. 26))

The GEP requires that all students take EITHER one semester of a lab-based natural science course (6 contact hours) OR two semesters of lecture-only natural science courses. Students who wish to satisfy the natural science GEP by completing courses in Chemistry may do so by taking the first semester of the Chemistry majors, lab-based course sequence, CHM 120 and CHM 120L, or one of the lab-based, one-semester chemistry courses for non-science majors, as they become available. Alternatively, students may fulfill one or both semesters of the natural science GEP by completing one or two of the special one-semester lecture-only Chemistry courses designed for non-science majors listed below.

Non-science majors Chemistry GEP lecture-only courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 100</td>
<td>Chemistry for the Consumer</td>
<td>3</td>
</tr>
</tbody>
</table>

Non-science majors Chemistry GEP lab-based courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CHM 115</td>
<td>Chemistry in Daily Life</td>
<td>4</td>
</tr>
<tr>
<td>CHM 115L</td>
<td>Chemistry in Daily Life</td>
<td>0</td>
</tr>
<tr>
<td>CHM 112</td>
<td>Food Chemistry (open to Food Marketing majors only)</td>
<td>4</td>
</tr>
<tr>
<td>CHM 112L</td>
<td>Food Chemistry: Lab (open to Food Marketing majors only)</td>
<td>0</td>
</tr>
</tbody>
</table>

Professor: Mark A. Forman, Ph.D.; Roger K. Murray, Ph.D.
Associate: E. Peter Zurbach, Ph.D.; Jean M. Smolen, Ph.D.; Mark F. Reynolds, Ph.D.; Peter M. Graham, Ph.D.; Usha Rao, Ph.D.
Assistant: Jose Cerda, Ph.D.
Lab Coordinator: John Longo, M.A. M.S.

Chair: Forman

Undergraduate
• Chemistry Major with ACS Certification (p. 107)
• Chemistry Major: Environmental Chemistry Option (p. 110)
• Chemistry Major: Biochemistry Option (p. 108)
• Five Year Combined B.S. in Chemistry Education/M.S. in Education Option (p. 112)
• B.A. in Chemistry/B.S. in Secondary Education Dual Major (p. 106)

Undergraduate Minors
• Chemistry Minor (p. 112)

CHM 100 Chemistry for the Consumer (3 credits)
This course is designed to help students understand the chemistry that affects them throughout their lives. Topics include: nuclear chemistry, home products, food and drugs, acid rain, energy, climate control, and sustainability. May be taken for science or elective credit without previous chemistry courses. Successful completion of this course will fulfill a lecture-only natural science course requirement for the GEP natural science area.

Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Food Marketing or Physics.

Attributes: GEP Natural Science, Undergraduate
**CHM 112 Food Chemistry (4 credits)**

The study of chemistry as it specifically relates to food. Underlying basic chemical principles will allow the study of particular molecules found in food (carbohydrates, proteins, lipids) and the changes these molecules undergo as they are cooked and absorbed. Topics will also include preservation, food safety, and food additives. This laboratory course will introduce students to the use of laboratory techniques to study food, including the measurement of food properties including pH, flavor, color, and texture. Students will learn how chemical and physical changes can alter food quality. The content material of CHM 112 overlaps with the content of IHS 253 Nutrition: Health and Disease. Students may take either CHM 112 or IHS 253 not both. Successful completion of CHM 112/112L fulfills the GEP science requirement for Food Marketing majors only. It will serve as a free-elective for all other majors. CHM 112L is a corequisite for CHM 112.

**Restrictions:** Enrollment is limited to students with a major in Food Marketing Co-Op or Food Marketing.

**Attributes:** GEP Natural Science, Science Course w/Lab (Sci Maj)

**CHM 112L Food Chemistry: Lab (0 credits)**

Students who register for this Chemistry lab must also register for the corresponding lecture. For example, if you register for CHM 112L you must, at the same time, register for CHM 112.

**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Food Marketing Co-Op or Food Marketing.

**Attributes:** GEP Natural Science

**CHM 115 Chemistry in Daily Life (4 credits)**

This course explains the basic theories and need-to-know facts of scientific events one encounters in daily life from a chemistry perspective. In addition to explaining the fundamental concepts of chemistry, the course will cover topics such as acids and bases, oxidation and reduction, household chemicals, nuclear energy, nuclear medicine, biochemistry, and drugs. This laboratory course will cover a wide range of experiments that require mastering a variety of laboratory skills, which utilize many different types of equipment. The proper use of beakers, flasks, pipets, burets, simple calorimeters, balances, and thermometers, to name a few, is critical to a student’s success in the course. Accurate observations and recording of data is stressed and evaluated. Students will submit data and results forms at the conclusion of each experiment. Both qualitative (observations and descriptions) and quantitative (calculations and graphs) methods will be stressed. Successful completion of CHM 115/115L fulfills the GEP science requirement.

**Attributes:** GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

**CHM 115L Chemistry in Daily Life (0 credits)**

**CHM 120 General Chemistry I (3 credits)**

Topics included are chemical formulas, stoichiometry, balancing reactions, ideal gases, thermodynamics, atomic structure, chemical bonding and molecular structure, kinetics, equilibrium, the chemistry of acids and bases, entropy, free energy, and electrochemistry. CHM 120 is a prerequisite to CHM 125. Successful completion of CHM 120 and CHM 120L fulfills the GEP natural science requirement.

**Attributes:** GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

**CHM 120L General Chemistry Lab I (2 credits)**

A lecture-laboratory course to accompany CHM 120-125 with emphasis upon concepts in chemistry, quantitative and qualitative analysis, and introduction to instrumental methods. One four-hour period. Successful completion of CHM 120L is a prerequisite to CHM 125L. CHM 120/121 is a co or prerequisite for CHM 120L. CHM 125/126 is a co or prerequisite for CHM 125L.

**Attributes:** GEP Natural Science, Undergraduate

**CHM 121 General Chemistry Honors I (3 credits)**

The material covered in this honors course is the same as CHM 120-125 but more extensive in depth. Additional topics may be added as time permits. The course assumes that the student has had chemistry in high school. The format of the course may differ from the standard lecture model. CHM 120 or 121 is a prerequisite to CHM 126. Successful completion of CHM 121 and CHM 120L fulfills the GEP natural science requirement.

**Attributes:** GEP Natural Science, Honors Course, Science Course w/Lab (Sci Maj), Undergraduate

**CHM 125 General Chemistry II (3 credits)**

Topics included are chemical formulas, stoichiometry, balancing reactions, ideal gases, thermodynamics, atomic structure, chemical bonding and molecular structure, kinetics, equilibrium, the chemistry of acids and bases, entropy, free energy, and electrochemistry. CHM 120 is a prerequisite to CHM 125. Successful completion of CHM 120 and CHM 120L fulfills the GEP natural science requirement.

**Prerequisites:** CHM 120 or CHM 121

**Attributes:** GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

**CHM 125L General Chemistry Lab II (2 credits)**

A lecture-laboratory course to accompany CHM 120-125 with emphasis upon concepts in chemistry, quantitative and qualitative analysis, and introduction to instrumental methods. One four-hour period. Successful completion of CHM 120L is a prerequisite to CHM 125L. CHM 120/121 is a co or prerequisite for CHM 120L. CHM 125/126 is a co or prerequisite for CHM 125L.

**Prerequisites:** CHM 120L or CHM 126 (may be taken concurrently)

**Attributes:** Undergraduate

**CHM 126 General Chemistry Honors II (3 credits)**

The material covered in this honors course is the same as CHM 120-125 but more extensive in depth. Additional topics may be added as time permits. The course assumes that the student has had chemistry in high school. The format of the course may differ from the standard lecture model. CHM 120 or 121 is a prerequisite to CHM 126. Successful completion of CHM 121 and CHM 120L fulfills the GEP natural science requirement.

**Prerequisites:** CHM 120 or CHM 121

**Attributes:** GEP Natural Science, Honors Course, Science Course w/Lab (Sci Maj), Undergraduate
CHM 150 Freshmen Seminar (3 credits)
This course is designed to introduce students to the fundamental factors governing air, water and soil pollution, and to briefly discuss the impacts of pollution on public health, both in the US and in the developing world. We will examine various physical, chemical and biological sources of pollution such as heavy metals, volatile organic compounds, pesticides, radionuclides, ionizing and nonionizing radiation, thermal and noise pollution, bacteria, viruses, and parasites. These different agents contribute to the pollution of soil, the atmosphere, and water bodies such as lakes, rivers and oceans, and pose a significant public health problem across the globe. No prior background in the natural sciences will be required of the students. The course will fulfill the First-Year Seminar GEP requirement.
Attributes: First-Year Seminar, Undergraduate

CHM 210 Organic Chemistry I (3 credits)
Modern organic chemistry in which the treatment of aliphatic and aromatic compounds is integrated as much as possible. Reactions of the functional groups are explained in terms of electronic mechanisms. CHM 125 or CHM 126 is a prerequisite to CHM 210. CHM 210 is a prerequisite to CHM 215.
Prerequisites: CHM 125 or CHM 126 or CHM 1021
Attributes: Undergraduate

CHM 210L Organic Chemistry Lab I (1 credit)
This semester concentrates on experiments designed to introduce students to the various techniques used in the organic laboratory. CHM 210 is a co or prerequisite for CHM 210L.
Attributes: Undergraduate

CHM 215 Organic Chemistry II (3 credits)
Modern organic chemistry in which the treatment of aliphatic and aromatic compounds is integrated as much as possible. Reactions of the functional groups are explained in terms of electronic mechanisms. CHM 125 or CHM 126 is a prerequisite to CHM 210. CHM 210 is a prerequisite to CHM 215.
Prerequisites: CHM 210
Attributes: Undergraduate

CHM 215L Organic Chemistry Lab II (1 credit)
A continuation of CHM 210L utilizing micro scale laboratory techniques in organic chemistry for the preparation, purification and analysis of organic compounds. CHM 210L is a prerequisite to CHM 215L. CHM 215 is a co or prerequisite for CHM 215L.
Prerequisites: CHM 210L and CHM 210
Attributes: Undergraduate

CHM 293 Sophomore Research Studies I (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 293-294 requires four hours each week in the research laboratory. Students need to complete the application form for independent study and have the approval of the Chemistry Department Chair and Associate Dean in order to register.
Attributes: Undergraduate

CHM 294 Sophomore Research Studies II (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 293-294 requires four hours each week in the research laboratory. Students need to complete the application form for independent study and have the approval of the Chemistry Department Chair and Associate Dean in order to register.
Attributes: Undergraduate

CHM 310 Physical Chemistry I (3 credits)
Thermodynamics as applied to gases, liquids, and solutions; thermodynamics of ideal systems; thermochemistry; chemical kinetics; gaseous equilibrium; colligative properties of solutions; quantum mechanics. CHM 215 is a prerequisite to CHM 310. CHM 310 is a prerequisite to CHM 315.
Prerequisites: CHM 215 or CHM 2321
Attributes: Undergraduate

CHM 310L Physical Chemistry Lab I (2 credits)
Experiments are performed to reinforce the concepts learned in CHM 241L-242L. Laboratory reports are submitted for each experiment. CHM 310 is a co-requisite to CHM 310L.
Attributes: Undergraduate

CHM 315 Physical Chemistry II (3 credits)
Thermodynamics as applied to gases, liquids, and solutions; thermodynamics of ideal systems; thermochemistry; chemical kinetics; gaseous equilibrium; colligative properties of solutions; quantum mechanics. CHM 215 is a prerequisite to CHM 310. CHM 310 is a prerequisite to CHM 315.
Prerequisites: CHM 310
Attributes: Undergraduate

CHM 315L Physical Chemistry Lab II (2 credits)

CHM 320 Physical Chem for Cheml Bio (3 credits)
Study of atomic and molecular structure; chemical thermodynamics; states of matter; kinetics and mechanisms of reactions; phase and chemical equilibria; emphasis on applications in biological systems. CHM 215 is a prerequisite to CHM 320.
Prerequisites: CHM 215
Attributes: Undergraduate

CHM 330 Instrumental Analysis (3 credits)
This course covers the theory, methodology, and instrumentation for the study of atomic and molecular species and/or processes. CHM 215, CHM 310, and PHY 106 or permission of the Department of Chemistry chair) are prerequisites to CHM 330.
Prerequisites: CHM 215
Attributes: Undergraduate

CHM 330L Instrumental Analysis Lab (2 credits)
CHM 330 is a co-requisite to CHM 330L.
Prerequisites: CHM 215L
Attributes: Undergraduate

CHM 340 Biochemistry (3 credits)
A basic introduction to the chemistry of living systems emphasizing their major metabolic activities. Structure and function of proteins, lipids, and carbohydrates. Basic principles of intermediary metabolism and photosynthesis. CHM 215 is a prerequisite for CHM 340.
Prerequisites: CHM 215
Attributes: Undergraduate

CHM 340L Biochemistry Lab (1 credit)
Laboratory applications of the topics covered in CHM 340. CHM 215L is a prerequisite to CHM 340L. CHM 340 is a co-requisite to CHM 340L.
Prerequisites: CHM 215L and CHM 340 (may be taken concurrently)
Attributes: Undergraduate
CHM 350 Inorganic Chemistry (3 credits)
This course includes the study of atomic structure, bonding, molecular orbital theory, symmetry and group theory, the chemistry of the main group elements, and the structure and reactivity of transition metal complexes. CHM 215 is a prerequisite to CHM 350.
Prerequisites: CHM 215 or CHM 2321
Attributes: Undergraduate

CHM 350L Inorganic Chemistry Lab (2 credits)
This course focuses on synthetic inorganic chemistry and emphasizes the use of modern analytical techniques for the characterization of inorganic and organometallic compounds. This course satisfies the GEP Writing Intensive requirement. CHM 215L is a prerequisite to CHM 350L.
CHM 350 is a co-requisite for CHM 350L.
Prerequisites: CHM 215L
Attributes: Undergraduate, Writing Intensive Course- GEP

CHM 390 Chemistry Seminar (0 credits)
Lectures by outside and local speakers and discussions of special topics in chemistry. Enrollment is required each semester for junior and senior chemistry majors. Graded on a P/NP basis.
Attributes: Undergraduate

CHM 393 Junior Research I (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 393-394 requires four hours each week in the research laboratory. Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.
Attributes: Undergraduate

CHM 394 Junior Research II (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 393-394 requires four hours each week in the research laboratory. Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.
Prerequisites: CHM 393 or CHM 293 or CHM 2901
Attributes: Undergraduate

CHM 400 Biogeochemistry (3 credits)
This course examines the chemical processes that control the distribution, speciation, and transfer of essential elements and energy in natural systems. Topics include: the concept of the Earth as a biogeochemical system; the use of quantitative methods to model the chemical fluxes of elements on a global scale; dominant chemical reactions in natural environments; evolution of metabolic pathways; the biogeochemical cycling of water, carbon, nitrogen, phosphorus, sulfur, and select heavy metals under natural and anthropogenically-influenced conditions. CHM 340 is a prerequisite or a co-requisite to CHM 400. This prerequisite may be waived with permission of the Chemistry Department Chair.
Prerequisites: CHM 340 (may be taken concurrently)
Attributes: Undergraduate

CHM 410 Biophysical Chemistry (3 credits)
This course utilizes the concepts of physical chemistry to understand the properties of biological systems.
Prerequisites: CHM 310 or CHM 320
Attributes: Undergraduate

CHM 410L Biophysical Chemistry Lab (1 credit)

CHM 420 Environmental Chemistry (3 credits)
Investigation of both pristine and polluted environments using chemistry as a foundation. Topics include: atmospheric chemistry, water quality, soil composition, fate of toxic metals and organic pollutants, and using chemistry as a solution for pollution. CHM 215 is a prerequisite to CHM 420.
Prerequisites: CHM 2321 and CHM 210
Attributes: Undergraduate

CHM 420L Environmental Chemistry Lab (1 credit)

CHM 430 Mechanisms in Organic Chem (3 credits)
Application of the electron pushing formalism for manipulating Lewis structure representations of organic structures. Emphasis is placed on mechanistic rationalization of complex organic transformations. Classes of mechanisms include elimination, substitution, rearrangement, oxidation-reduction, enolate alkylation, and others. CHM 215 is a prerequisite to CHM 430.
Prerequisites: CHM 215
Attributes: Undergraduate

CHM 435 Tech Applications of Chemistry (3 credits)
Course will focus on current and future technologies that utilize fundamental and advanced theories of chemistry. Topics will include, but are not limited to, microwave ovens, liquid crystal displays (LCD), light emitting diode displays (LED), plasma screens, charge coupled devices (CCD), field effect transistors (FET), positron emission tomography (PET), magnetic resonance imagining (MRI), battery systems, data storage devices, and solar panels. CHM 215 is a pre-requisite to CHM 435)
Prerequisites: CHM 215

CHM 440 Organometallic Chemistry (3 credits)
This course will focus on the structure and reactivity of organometallic transition metal complexes. Topics include catalysis, reaction mechanisms, applications to organic chemistry, and characterization by spectroscopic methods. CHM 350 is a prerequisite to CHM 440.
Prerequisites: CHM 350
Attributes: Undergraduate

CHM 445 Thermodynamics & Stat Mechanic (3 credits)

CHM 450 Polymer Chemistry (3 credits)

CHM 460 Water Chemistry (3 credits)
This course examines the behavior of chemical species in natural and engineered water systems. Topics include: the chemical composition of surface and subsurface water; geochemical controls on water composition; equilibrium and kinetic processes in aquatic systems; fate and reactions of inorganic and organic constituents in water; acid-base chemistry, complexation chemistry, and redox chemistry in water; the applications of isotopic and other tracers in the study of aquatic systems; and water pollution. CHM 210 is a prerequisite to CHM 460.
Prerequisites: CHM 125 or CHM 126
Attributes: Undergraduate

CHM 470 Special Topics (3 credits)
Advanced study on a topic that is arranged with a chemistry faculty member. Permission of the Department of Chemistry chair is required.
Attributes: Undergraduate

CHM 480 Role of Metal Ions in Biology (3 credits)
Advanced study on a topic that is arranged with a chemistry faculty member. Permission of the Department of Chemistry chair is required.
Prerequisites: CHM 215
Attributes: Undergraduate
CHM 490 Spectroscopy (3 credits)
Advanced study on a topic that is arranged with a chemistry faculty member. Permission of the Department of Chemistry chair is required.
Prerequisites: CHM 330
Attributes: Undergraduate

CHM 491 Chemistry Internship I (3 credits)

CHM 492 Chemistry Internship II (3 credits)

CHM 493 Senior Research I (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Includes a seminar, a poster presentation, and written reports. Each credit of CHM 493 and CHM 494 requires four hours each week in the research laboratory. CHM 493 is a prerequisite for CHM 494. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.
Prerequisites: CHM 493
Attributes: Undergraduate

CHM 494 Senior Research II (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Includes a seminar, a poster presentation, and written reports. Each credit of CHM 493 and CHM 494 requires four hours each week in the research laboratory. CHM 493 is a prerequisite for CHM 494. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.
Prerequisites: CHM 493
Attributes: Undergraduate

Chemistry and Secondary Education combined Major

The Bachelor of Arts degree in Chemistry is for students who wish to pursue a dual major with Secondary Education (B.S.). The B.A. degree is only available for students who pursue the dual major.

Requirements for the B.A. in Chemistry In order to become certified to teach at the secondary education level (grades 7-12), students must complete a total of five Education and three Special Education courses, as well as student teaching. For further details, see the Teacher Education section of the catalog. Students interested in the dual major program should speak to their academic advisors and to Chair of the Department of Chemistry as early in their academic careers as possible.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDU 150</td>
<td>First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDU 157F/157F</td>
<td>Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246/246F</td>
<td>Literacy, Language and Culture</td>
<td>3</td>
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</table>

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

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<tbody>
<tr>
<td>MAT 155</td>
<td>Fundamentals of Calculus</td>
<td>3</td>
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<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
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Natural Science

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<tr>
<td>CHM 120</td>
<td>General Chemistry I</td>
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<tr>
<td>or CHM 121</td>
<td>General Chemistry Honors I</td>
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<tr>
<td>CHM 120L</td>
<td>General Chemistry Lab I</td>
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Social/Behavioral Science

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<tbody>
<tr>
<td>EDU 157F</td>
<td>Adolescent Development</td>
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</table>

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

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<tbody>
<tr>
<td>MAT 128</td>
<td>Applied Statistics</td>
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<tr>
<td>MAT 156</td>
<td>Applied Calculus II</td>
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<tr>
<td>MAT 162</td>
<td>Calculus II</td>
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Physics

Select one of the following groups:

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<tr>
<td>Group 1</td>
<td>PHY 101 General Physics I</td>
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<tr>
<td>&amp; PHY 102 &amp; General Physics II</td>
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<tr>
<td>PHY 101L &amp; PHY 102L General Physics Laboratory I &amp; General Physics Laboratory II</td>
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<td>Group 2</td>
<td>PHY 105 University Physics I</td>
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<tr>
<td>&amp; PHY 106 &amp; University Physics II</td>
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<td>PHY 105L &amp; PHY 106L University Physics Lab I &amp; University Physics Lab II</td>
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GEP Electives
One or two courses

Major Requirements

Major Concentration
Ten courses (plus non-credit CHM 390)

Foundation Course Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>CHM 125</td>
<td>General Chemistry II</td>
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<td>or CHM 126</td>
<td>General Chemistry Honors II</td>
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<tr>
<td>CHM 125L</td>
<td>General Chemistry Lab II</td>
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<tr>
<td>CHM 210</td>
<td>Organic Chemistry I</td>
<td>6</td>
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<tr>
<td>&amp; CHM 215</td>
<td>and Organic Chemistry II</td>
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</table>
CHM 210L & CHM 215L  Organic Chemistry Lab I and Organic Chemistry Lab II  2

CHM 310  Physical Chemistry I  3
or CHM 320  Physical Chem for Cheml Bio  3

CHM 330  Instrumental Analysis  3

CHM 330L  Instrumental Analysis Lab  2

CHM 340  Biochemistry  3

CHM 350  Inorganic Chemistry  3

CHM 390  Chemistry Seminar  0

CHM 420  Environmental Chemistry  3

BIO 165 & 165L  Exploring the Living World and Exp. Living World Lab  4

ENV 106 & 106L  Exploring the Earth and Exploring the Earth Laboratory  4

**Chemistry Major with ACS Certification**

Learning Goals and Objectives for the B.S. in Chemistry

**Goal 1:** Students will develop an understanding of the theoretical methods and models that chemists use to understand the properties and behavior of matter.

**Objective 1.1:** Students will demonstrate a mastery of the key concepts in the five major subdisciplines of chemistry: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry.

**Objective 1.2:** Students will apply appropriate theoretical models to explain experimental observations.

**Goal 2:** Students will employ the experimental methods used by chemists.

**Objective 2.1:** Students will properly employ the instruments that are used to study problems in chemistry. The students will correctly interpret the data that they obtain from these instruments.

**Objective 2.2:** Students will store, handle, and use chemicals safely and responsibly

**Goal 3:** Students will effectively communicate scientific information.

**Objective 3.1:** Students will present results from chemical investigations and the chemical literature both orally and in writing.

**Objective 3.2:** Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

*The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:*

1. Diversity, Globalization or Non-western Area Studies,  
2. Ethics Intensive, and  
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**

See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**

See this page about Variable courses (p. 26). Six to Nine courses

**General Education Overlays**

See this page about Overlays (p. 27).

**General Education Integrative Learning Component**

See this page about Integrative Learning Component (p. 27). Three courses

**General Education Electives**

Any eleven courses

**Major Requirements**

**Major Concentration**

Eleven courses

**Foundation Course Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 125</td>
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<td>or CHM 126</td>
<td>General Chemistry Honors I</td>
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<tr>
<td>CHM 125L</td>
<td>General Chemistry Lab I</td>
<td>2</td>
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<tr>
<td>CHM 210</td>
<td>Organic Chemistry I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CHM 215</td>
<td>and Organic Chemistry II</td>
<td>6</td>
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<tr>
<td>CHM 210L</td>
<td>Organic Chemistry Lab I</td>
<td>2</td>
</tr>
<tr>
<td>&amp; CHM 215L</td>
<td>and Organic Chemistry Lab II</td>
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<tr>
<td>CHM 310</td>
<td>Physical Chemistry I</td>
<td>6</td>
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<tr>
<td>&amp; CHM 315</td>
<td>and Physical Chemistry II</td>
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<tr>
<td>CHM 310L</td>
<td>Physical Chemistry Lab I</td>
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</tr>
<tr>
<td>CHM 330</td>
<td>Instrumental Analysis</td>
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</table>
In-Depth Course Requirements
Select one of the following:

- Three In-Depth Chemistry courses (see list below)
- Two In-Depth Chemistry courses and Senior Research I-II
- Two In-Depth Chemistry courses and one Math/Natural Science elective (see list below, this option must be approved by the Chemistry Chair in advance)

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<tr>
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<td>CHM 410</td>
<td>Biophysical Chemistry</td>
<td>3</td>
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<td>CHM 420</td>
<td>Environmental Chemistry</td>
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<tr>
<td>CHM 430</td>
<td>Mechanisms in Organic Chem</td>
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<td>CHM 435</td>
<td>Tech Applications of Chemistry</td>
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<td>CHM 460</td>
<td>Water Chemistry</td>
<td>3</td>
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<tr>
<td>CHM 480</td>
<td>Role of Metal Ions in Biology</td>
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<tr>
<td>CHM 490</td>
<td>Spectroscopy</td>
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Math and Natural Science Electives

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<tr>
<th>Code</th>
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<td>4</td>
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<tr>
<td>MAT 213</td>
<td>Calculus III</td>
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<td>MAT 225</td>
<td>Fundamental Ideas of Math</td>
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<td>MAT 231</td>
<td>The Mathematics of Music</td>
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<td>MAT 232</td>
<td>Chaos, Fractals &amp; Dynamic Syst</td>
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<td>MAT 233</td>
<td>History of Mathematics</td>
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<td>MAT 336</td>
<td>Logic &amp; Foundations</td>
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<td>PHY 251</td>
<td>Modern Physics I</td>
<td>4</td>
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<tr>
<td>PHY 253</td>
<td>Survey of Nanotechnology</td>
<td>3</td>
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<td>PHY 255</td>
<td>Linear Systems in Physics</td>
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<td>PHY 257</td>
<td>Mathematical Methods in Physics</td>
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<td>PHY 261</td>
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<td>PHY 301</td>
<td>Classical Mechanics</td>
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Enrollment in CHM 390 is required each semester for junior and senior chemistry majors. Students planning to go into industry or attend graduate school should take Senior Research I-II. All students who meet the above requirements satisfactorily will be certified by the American Chemical Society.

Biochemistry Maor

Learning Goals and Objectives for the B.S. in Chemistry

**Goal 1**: Students will develop an understanding of the theoretical methods and models that chemists use to understand the properties and behavior of matter.

**Objective 1.1**: Students will demonstrate a mastery of the key concepts in the five major sub disciplines of chemistry: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry.

**Objective 1.2**: Students will apply the scientific method to study problems in chemistry.

**Objective 1.3**: Students will predict the behavior of a new substance based on the known behavior of related compounds.

**Objective 1.4**: Students will apply appropriate theoretical models to explain experimental observations.

**Objective 1.5**: Students will gain hands-on experience with the instruments that are used to study problems in chemistry. The students will learn how to interpret the data that they obtain from these instruments.

**Objective 1.6**: Students will assess experimental data critically.

**Objective 1.7**: Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

**Objective 1.8**: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

**Goal 2**: Students will gain authentic hands-on experience with the experimental methods used by chemists.

**Objective 2.1**: Students will use contemporary computer software to study problems in chemistry and present results properly and accurately using figures, graphs and tables.

**Objective 2.2**: Students will store, handle, and use chemicals safely and responsibly.

**Objective 2.3**: Students will gain hands-on experience with the instruments that are used to study problems in chemistry. The students will learn how to interpret the data that they obtain from these instruments.

**Objective 2.4**: Students will assess experimental data critically.

**Objective 2.5**: Students will use accepted laboratory record-keeping methods to record their experimental data.

**Objective 2.6**: Students will conduct research in an ethical manner.

**Objective 2.7**: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

**Goal 3**: Students will understand that ethical conduct is fundamental to progress in science.

**Objective 3.1**: Students will conduct research in an ethical manner.

**Objective 3.2**: Students will use contemporary computer software to study problems in chemistry and present results properly and accurately using figures, graphs and tables.

**Objective 3.3**: Students will store, handle, and use chemicals safely and responsibly.
Objective 3.4: Students will use accepted laboratory record-keeping methods to record their experimental data.

Goal 4: Students will appreciate that the frontiers of science are expanding at an accelerating rate and that they must develop a commitment to lifelong learning.

Objective 4.1: Students will work independently and in collaboration with others in the investigation of problems in chemistry.

Objective 4.2: Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

Objective 4.3: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

Goal 5: Students will understand how chemistry provides opportunities for them to address major issues in society.

Objective 5.1: Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

Objective 5.2: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

Goal 6: Students will effectively communicate scientific information.

Objective 6.1: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

Objective 6.2: Students will write about chemistry using objective language and succinct explanations that are typical of scientific writing.

Objective 6.3: Students will use contemporary computer software to study problems in chemistry and present results properly and accurately using figures, graphs and tables.

Objective 6.4: Students will use accepted laboratory record-keeping methods to record their experimental data.

Objective 6.5: Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and free electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

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2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

<table>
<thead>
<tr>
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Natural Science

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General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

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Physics

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<td>PHY 105L &amp; PHY 106L</td>
<td>University Physics Lab I and University Physics Lab II</td>
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General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

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<th>Code</th>
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Physics

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<tr>
<td>PHY 105L &amp; PHY 106L</td>
<td>University Physics Lab I and University Physics Lab II</td>
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GEP Electives
Any nine courses

Major Requirements

Major Concentration
Thirteen courses

Foundation Course Requirements

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<th>Code</th>
<th>Title</th>
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<td>BIO 102</td>
<td>Bio II: Genetics</td>
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<td>CHM 125</td>
<td>General Chemistry II</td>
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<td>or CHM 126</td>
<td>General Chemistry Honors II</td>
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<tr>
<td>CHM 125L</td>
<td>General Chemistry Lab II</td>
<td>2</td>
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<tr>
<td>CHM 210</td>
<td>Organic Chemistry I</td>
<td>3</td>
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<tr>
<td>CHM 215</td>
<td>Organic Chemistry II</td>
<td>3</td>
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<tr>
<td>CHM 210L &amp; CHM 215L</td>
<td>Organic Chemistry Lab I and Organic Chemistry Lab II</td>
<td>2</td>
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<tr>
<td>CHM 310 &amp; CHM 315</td>
<td>Physical Chemistry I and Physical Chemistry II</td>
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<tr>
<td>CHM 310L</td>
<td>Physical Chemistry Lab I</td>
<td>2</td>
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<tr>
<td>CHM 330</td>
<td>Instrumental Analysis</td>
<td>3</td>
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<tr>
<td>CHM 330L</td>
<td>Instrumental Analysis Lab</td>
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<td>CHM 340</td>
<td>Biochemistry</td>
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<tr>
<td>CHM 340L</td>
<td>Biochemistry Lab</td>
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In-Depth Course Requirements

Select one of the following:

- Two In-Depth Chemistry courses (see list below)
- One In-Depth Chemistry course and Senior Research I-II
- One In-Depth Chemistry course and one Math/Natural Science elective (see list below, this option must be approved by the Chemistry Chair in advance)

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<tbody>
<tr>
<td>CHM 400</td>
<td>Biogeochemistry</td>
<td>3</td>
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<td>CHM 410</td>
<td>Biophysical Chemistry</td>
<td>3</td>
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<td>CHM 420</td>
<td>Environmental Chemistry</td>
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<tr>
<td>CHM 430</td>
<td>Mechanisms in Organic Chem</td>
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<td>CHM 435</td>
<td>Tech Applications of Chemistry</td>
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<tr>
<td>CHM 440</td>
<td>Organometallic Chemistry</td>
<td>3</td>
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<tr>
<td>CHM 460</td>
<td>Water Chemistry</td>
<td>3</td>
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<td>CHM 490</td>
<td>Spectroscopy</td>
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Math and Natural Science Electives

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<td>MAT 233</td>
<td>History of Mathematics</td>
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<tr>
<td>MAT 334</td>
<td>Combinatorics &amp; Graph Theory</td>
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<tr>
<td>MAT 336</td>
<td>Logic &amp; Foundations</td>
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<td>PHY 253</td>
<td>Survey of Nanotechnology</td>
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<td>PHY 257</td>
<td>Mathematical Methds in Physcs</td>
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<td>PHY 301</td>
<td>Classical Mechanics</td>
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Enrollment in CHM 390 Chemistry Seminar is required each semester for junior and senior chemistry majors. Students planning to go into industry or attend graduate school should take Senior Research I-II. All students who meet the above requirements satisfactorily will be certified by the American Chemical Society.

Environmental Chemistry Major

Learning Goals and Objectives for the B.S. in Chemistry

**Goal 1:** Students will develop an understanding of the theoretical methods and models that chemists use to understand the properties and behavior of matter.

**Objective 1.1:** Students will demonstrate a mastery of the key concepts in the five major sub disciplines of chemistry: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry.

**Objective 1.2:** Students will apply the scientific method to study problems in chemistry.

**Objective 1.3:** Students will predict the behavior of a new substance based on the known behavior of related compounds.

**Objective 1.4:** Students will apply appropriate theoretical models to explain experimental observations.

**Objective 1.5:** Students will gain hands-on experience with the instruments that are used to study problems in chemistry. The students will learn how to interpret the data that they obtain from these instruments.

**Objective 1.6:** Students will assess experimental data critically.

**Objective 1.7:** Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

**Objective 1.8:** Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

**Goal 2:** Students will gain authentic hands-on experience with the experimental methods used by chemists.

**Objective 2.1:** Students will use contemporary computer software to study problems in chemistry and present results properly and accurately using figures, graphs and tables.

**Objective 2.2:** Students will store, handle, and use chemicals safely and responsibly.

**Objective 2.3:** Students will gain hands-on experience with the instruments that are used to study problems in chemistry. The students will learn how to interpret the data that they obtain from these instruments.

**Objective 2.4:** Students will assess experimental data critically.

**Objective 2.5:** Students will use accepted laboratory record-keeping methods to record their experimental data.

**Objective 2.6:** Students will conduct research in an ethical manner.

**Objective 2.7:** Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

**Goal 3:** Students will understand that ethical conduct is fundamental to progress in science.

**Objective 3.1:** Students will conduct research in an ethical manner.

**Objective 3.2:** Students will use contemporary computer software to study problems in chemistry and present results properly and accurately using figures, graphs and tables.

**Objective 3.3:** Students will store, handle, and use chemicals safely and responsibly.

**Objective 3.4:** Students will use accepted laboratory record-keeping methods to record their experimental data.
Goal 4: Students will appreciate that the frontiers of science are expanding at an accelerating rate and that they must develop a commitment to life-long learning.

Objective 4.1: Students will work independently and in collaboration with others in the investigation of problems in chemistry.

Objective 4.2: Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

Objective 4.3: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

Goal 5: Students will understand how chemistry provides opportunities for them to address major issues in society.

Objective 5.1: Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

Objective 5.2: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

Goal 6: Students will effectively communicate scientific information.

Objective 6.1: Students will describe results from chemical investigations and the chemical literature both orally and in writing to specialists and to a general audience.

Objective 6.2: Students will write about chemistry using objective language and succinct explanations that are typical of scientific writing.

Objective 6.3: Students will use contemporary computer software to study problems in chemistry and present results properly and accurately using figures, graphs and tables.

Objective 6.4: Students will use accepted laboratory record-keeping methods to record their experimental data.

Objective 6.5: Students will search and properly cite the chemical literature for published work relevant to a problem of contemporary interest.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

GEP Electives
Any eleven courses

Major Requirements

Major Concentration
Eleven courses

Foundation Course Requirements

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<tr>
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<tbody>
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<td>CHM 125L</td>
<td>General Chemistry Lab I</td>
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<td>CHM 210</td>
<td>Organic Chemistry I</td>
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<tr>
<td>&amp; CHM 215</td>
<td>Organic Chemistry II</td>
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<td>&amp; CHM 215L</td>
<td>Organic Chemistry Lab II</td>
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In-Depth Course Requirements
One of the following:
• Three In-Depth Chemistry courses, which must include:

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
<tr>
<td>or CHM 460</td>
<td>Water Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

Select a third in-depth chemistry course from the list below

- Two In-Depth Chemistry courses (Environmental Chemistry; and either Chemistry of the Earth or Water Chemistry) and Senior Research I-II (students are encouraged to perform research in environmental chemistry)
- Two In-Depth Chemistry courses (Environmental Chemistry; and either Chemistry of the Earth or Water Chemistry) and one Math/Natural Science elective (see list below, this option must be approved by the Chemistry Chair in advance)

**In-Depth Chemistry Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 410</td>
<td>Biophysical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 430</td>
<td>Mechanisms in Organic Chem</td>
<td>3</td>
</tr>
<tr>
<td>CHM 435</td>
<td>Tech Applications of Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 440</td>
<td>Organometallic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 480</td>
<td>Role of Meta Ions in Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHM 490</td>
<td>Spectroscopy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Math and Natural Science Electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells</td>
<td>4</td>
</tr>
<tr>
<td>MAT 213</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 225</td>
<td>Fundamental Ideas of Math</td>
<td>3</td>
</tr>
<tr>
<td>MAT 231</td>
<td>The Mathematics of Music</td>
<td>3</td>
</tr>
<tr>
<td>MAT 232</td>
<td>Chaos, Fractals &amp; Dynamic Syst</td>
<td>3</td>
</tr>
<tr>
<td>MAT 233</td>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 334</td>
<td>Combinatorics &amp; Graph Theory</td>
<td>3</td>
</tr>
<tr>
<td>MAT 336</td>
<td>Logic &amp; Foundations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 251</td>
<td>Modern Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 253</td>
<td>Survey of Nanotechnology</td>
<td>3</td>
</tr>
<tr>
<td>PHY 255</td>
<td>Linear Systems in Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 257</td>
<td>Mathematical Methods in Physcs</td>
<td>3</td>
</tr>
<tr>
<td>PHY 261</td>
<td>Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 301</td>
<td>Classical Mechanics</td>
<td>4</td>
</tr>
</tbody>
</table>

Enrollment in CHM 390 Chemistry Seminar is required each semester for junior and senior chemistry majors. Students planning to go into industry or attend graduate school should take Senior Research I-II. All students who meet the above requirements satisfactorily will be certified by the American Chemical Society.

## Chemistry Minor

### Learning Goals and Objectives for the minor in Chemistry

**Goal 1:** Students will develop an understanding of the theoretical methods and models that chemists use to understand the properties and behavior of matter.

**Objective 1.1:** Students will gain an understanding of the key concepts fundamental to the five major sub disciplines of chemistry: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry.

**Objective 1.2:** Students will predict the behavior of a new substance based on the known behavior of related compounds.

**Objective 1.3:** Students will apply appropriate theoretical models to explain experimental observations.

**Objective 1.4:** Students will assess experimental data critically.

**Goal 2:** Students will gain authentic hands-on experience with the experimental methods used by chemists.

**Objective 2.1:** Students will use contemporary computer software to study problems in chemistry and present results properly and accurately using figures, graphs and tables.

**Objective 2.2:** Students will store, handle, and use chemicals safely and responsibly.

**Objective 2.3:** Students will assess experimental data critically.

**Objective 2.4:** Students will apply appropriate theoretical models to explain experimental observations.

**Objective 2.5:** Students will use accepted laboratory record-keeping methods to record their experimental data.

The following courses constitute the minor in chemistry:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 120</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>&amp; CHM 125</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHM 121</td>
<td>General Chemistry Honors I</td>
<td></td>
</tr>
<tr>
<td>&amp; CHM 126</td>
<td>General Chemistry Honors II</td>
<td></td>
</tr>
<tr>
<td>CHM 120L</td>
<td>General Chemistry Lab I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHM 125L</td>
<td>General Chemistry Lab II</td>
<td></td>
</tr>
<tr>
<td>CHM 210</td>
<td>Organic Chemistry I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CHM 215</td>
<td>Organic Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHM 210L</td>
<td>Organic Chemistry Lab I</td>
<td>2</td>
</tr>
<tr>
<td>&amp; CHM 215L</td>
<td>Organic Chemistry Lab II</td>
<td></td>
</tr>
<tr>
<td>Any two non-research chemistry courses beyond CHM 215</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

### Chemistry and Education combined B.S./M.S.

This program allows a student to complete in five years the requirements for both the B.S. in Chemistry and M.S. in Education degrees with certification to teach chemistry by permitting an undergraduate student to begin graduate coursework in Education during his/her senior year. The program features:

1. an independent faculty-directed research project in chemistry in the summer between the fourth and fifth years, and
2. nine graduate courses in education, including a one-semester student teaching experience.

A student should apply to the Chair of the Department of Chemistry for admission to this program by the first semester of his/her sophomore year.
year. It is anticipated that the graduates of this program will be highly competitive in the rapidly expanding market for qualified high school chemistry teachers.

In order to become certified to teach at the secondary education level (grades 7-12), students must complete a total of five Education and three Special Education courses, as well as student teaching. For further details, see the Teacher Education (p. 162) section. Students interested in the five-year program should speak to their academic advisors and to Chair of the Department of Chemistry as early in their academic careers as possible.
MISSION

The Classical Studies Program aims to be a model for visionary, interdisciplinary thinking, offering courses that serve the needs of multiple academic departments as well as the new General Education Program. The mission of the Classical Studies Program is to offer courses in ancient languages including Greek, Latin and Hebrew, biblical texts, and ancient history. We offer a major in Classical Studies in two concentrations. The Classical Languages and Literatures concentration will combine courses in intermediate/upper level Latin and Greek language and literature, Classical literature in translation, Hebrew language, Bible and religious studies, ancient history of the Mediterranean and Near East, and ancient material culture. As such, it will prepare students for secondary school teaching in Latin but it will also better prepare students for graduate study in Classical Studies and Classical Archaeology. A second concentration in Ancient Cultures is interdisciplinary and flexible to allow specialization in a variety of areas that complement existing programs (e.g., Classical Studies, Ancient Near East, Bible, Ancient History, Archaeology). We also offer minors in Classical Studies and Ancient Cultures. Our courses in ancient language, literature, and civilization complement courses in other disciplines so that students may combine their Classical Studies major with a second major in English, fine and performing arts, history, languages, psychology, theology, philosophy, and elementary education.

The Classical Studies Program offers courses from the elementary to advanced levels of Latin and Greek language and literature. The program serves its majors and minors by offering a full range of advanced level Latin and Greek courses covering the works of major Latin and Greek authors and literary genres. These courses feature comprehensive exploration of Greek and Latin language and of classical society and culture and are designed to prepare majors and minors for graduate study in Classics. Our elementary and intermediate level Latin and Greek courses may be taken as prerequisite courses for advanced work in the languages, and they may also be taken to fulfill the non-native language general education program requirement. All Latin and Greek courses enable students to explore a wide variety of supplementary materials that focus upon mythology, religion, literacy and education, and political and social history.

We also offer a wide range of courses in ancient culture and civilization that focus on the literature, history, and material culture of the ancient world. We offer two Honors courses that focus on Greece and Rome: Sexuality and Gender in the Ancient World and the team-taught Society, Democracy, Republic. Knowledge of Greek and Latin are not required for any of these civilization courses, which may be taken to fulfill requirements for the major or minor, to fulfill the Art/Literature, Diversity, Writing Intensive, and Ethics Intensive areas of the GEP, or as free electives. These courses are interdisciplinary and stress connections with other disciplines such as history, literature, philosophy, theology, gender studies, and the social and natural sciences.

MAJOR REQUIREMENTS

Major Concentration:

The major requires a minimum of 10 courses. Additional requirements are distributed according to each student’s concentration within the major.

- The Classical Languages and Literatures concentration places primary focus on the languages, literatures, and cultures of ancient Greece and Rome. The requirements of this concentration are the best preparation for students interested in ancient languages, essential preparation for post-graduate studies in Classics, or the acquisition of Latin language teaching certification.
- The Ancient Cultures concentration is an interdisciplinary program for students who have an interest in the study of antiquity with less emphasis on ancient languages.

Students may also obtain credit by participating in one of the three options listed below.

- Archaeological Fieldwork (usually one or two courses, offered in cooperation with various other universities as approved in advance, usually as summer transfer credit; because of methodological and experiential value, sites need not be limited to geographical areas normally implied in the minor). Recommended in this category is REL 332 Digging at Tel Dor (fieldwork in Israel).
- International Study Tour (usually equivalent to one course), location as appropriate (e.g., Italy; Greece; Turkey; Israel; Egypt; and others), usually with advance approval of director.
- Study Abroad at an approved overseas university.

REQUIREMENTS FOR DEPARTMENTAL HONORS

To receive College Honors credit, students undertake two consecutive semesters of course-based research and study that culminates in a senior thesis. For students in the University Honors program, these two courses may be counted toward the eight course Honors requirement. To be eligible for College Honors, a student must have a 3.5 GPA. If you are interested in completing the College Honors project during your senior year, please be in touch with the department chair early in the spring semester of your junior year. Specific requirements for the College Honors thesis may be found under Honors Program.

CLASSICAL STUDIES AND TEACHER CERTIFICATION

1. Majors in Classical Studies who intend to pursue teacher certification will earn a double major in their primary subject area and in Secondary Education.

Below is the recommended program for students who will be eligible for a PA Level I teaching certificate in Secondary Education.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 150 &amp; 150F</td>
<td>Schools in Society-Fr Seminar and FE Schools in Soc (preK-4/4-8)</td>
<td>3</td>
</tr>
<tr>
<td>EDU 157 &amp; 157F</td>
<td>Adolescent Development and FE Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246 &amp; 246F</td>
<td>Literacy, Language and Culture and FE/Literacy Language &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>EDU 247 &amp; 247F</td>
<td>Literacy in the Content Areas and FE: Literacy in Content Areas</td>
<td>3</td>
</tr>
<tr>
<td>SPE 160 &amp; 160F</td>
<td>Intro to Special Education and FE Intro to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPE 203 &amp; 203F</td>
<td>Tchg Adolescents Inclus Envir and FE Tchg Adoles Inclus Envir</td>
<td>3</td>
</tr>
<tr>
<td>EDU 414 &amp; 414F</td>
<td>Instruct Techniques - For Lang and FE: Instr Tech Foreign Lang</td>
<td>3</td>
</tr>
<tr>
<td>EDU 491</td>
<td>Secondary Student Teaching</td>
<td>12</td>
</tr>
</tbody>
</table>
* Note: English and foreign language majors are required to take one linguistics course: LIN 200, LIN 317, or EDU 420. See the Education Unit (Teacher Education Department) section of the Catalog for more information.

2. Recommended for other Students in the Classical Studies concentration: Any three courses in ART, CSC, HIS, LIN, MAT, PHL, REL/THE, or SOC that may complement the major concentration, chosen in consultation with the student's advisor. These courses may include other courses in ancient studies that are outside the field of Classics.

3. Recommended for students in both the Classical Studies concentration and Ancient Cultures concentration interested in archaeology: Students may take any courses in BIO, CHM, CSC, MAT, PHY, SOC beyond the courses used to satisfy the GEP and major requirements.

4. Recommended for other students in the Ancient Cultures concentration: Any three courses in relevant cultures, history, language, methodologies, or research tools that may complement the major concentration.

Advisory Option—Teacher Certification in Latin
Advisors in both Classics and the Education Department guide Latin students seeking teacher certification in Latin to use electives to fulfill the following courses required for certification:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT 201</td>
<td>Intermediate Latin I</td>
<td>3</td>
</tr>
<tr>
<td>LAT 202</td>
<td>Intermediate Latin II</td>
<td>3</td>
</tr>
<tr>
<td>LAT 301</td>
<td>Oratory</td>
<td>3</td>
</tr>
<tr>
<td>LAT 302</td>
<td>Republican Prose</td>
<td>3</td>
</tr>
<tr>
<td>LAT 303</td>
<td>Historiography</td>
<td>3</td>
</tr>
<tr>
<td>LAT 304</td>
<td>Drama</td>
<td>3</td>
</tr>
<tr>
<td>LAT 305</td>
<td>Lyric Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 306</td>
<td>Roman Elegy</td>
<td>3</td>
</tr>
<tr>
<td>LAT 401</td>
<td>Silver Age Latin</td>
<td>3</td>
</tr>
<tr>
<td>LAT 402</td>
<td>Golden Age Latin</td>
<td>3</td>
</tr>
<tr>
<td>LAT 403</td>
<td>Epic Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 404</td>
<td>Horace</td>
<td>3</td>
</tr>
<tr>
<td>LAT 410</td>
<td>Research Materials &amp; Methods</td>
<td>3</td>
</tr>
<tr>
<td>LAT 411</td>
<td>Advanced Latin Grammar</td>
<td>3</td>
</tr>
<tr>
<td>CLA 201</td>
<td>Love, Sex, Conqust: Classic Myth</td>
<td>3</td>
</tr>
<tr>
<td>CLA 302</td>
<td>Mystery &amp; Monument: Ancient Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 303</td>
<td>Pompeii &amp; Herculaneum</td>
<td>3</td>
</tr>
<tr>
<td>CLA 304</td>
<td>Etruscan Art and Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>GRK 101</td>
<td>Beginning Ancient Greek I</td>
<td>3</td>
</tr>
<tr>
<td>GRK 102</td>
<td>Beginning Ancient Greek II</td>
<td>4</td>
</tr>
<tr>
<td>GRK 201</td>
<td>Intermediate Ancient Greek I</td>
<td>3</td>
</tr>
<tr>
<td>GRK 202</td>
<td>Intermediate Ancient Greek II</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives:
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 202</td>
<td>Classical Epic: Gods &amp; Heroes</td>
<td>3</td>
</tr>
<tr>
<td>CLA 203</td>
<td>Classical Tragedy</td>
<td>3</td>
</tr>
<tr>
<td>CLA 204</td>
<td>Comedy: Ancient and Modern</td>
<td>3</td>
</tr>
<tr>
<td>CLA 206</td>
<td>Sports in the Ancient World</td>
<td>3</td>
</tr>
<tr>
<td>CLA 301</td>
<td>Mystery &amp; Monument: Ancient Greece</td>
<td>3</td>
</tr>
<tr>
<td>CLA 302</td>
<td>Mystery &amp; Monument: Ancient Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 305</td>
<td>Cleopatra Thru Anc &amp; Mod Eyes</td>
<td>3</td>
</tr>
<tr>
<td>CLA 306</td>
<td>Ancient Medicine</td>
<td>3</td>
</tr>
<tr>
<td>CLA 307</td>
<td>Ancient Greece &amp; Rome in Film</td>
<td>3</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
<td>3</td>
</tr>
<tr>
<td>CLA 493</td>
<td>Ind. Research in Classics</td>
<td>3</td>
</tr>
<tr>
<td>CLA 494</td>
<td>Ind. Research in Classics</td>
<td>3</td>
</tr>
</tbody>
</table>

Professor
- Marsilio (Director)

Associate Professor
- Nikoloutsos

Adjunct Lecturers
- Bender
- Dlugacz
- McCall

Classical Studies Advisory Board
- Gregerman
- Kerkeslager
- Lewin
- Nikoloutsos
- Payne

Undergraduate Majors
- Classical Languages and Literature concentration (p. 118)
- Ancient Cultures concentration (p. 116)

Undergraduate Minors
- Ancient Cultures (p. 120)
- Classical Studies (p. 120)

Classical Studies Courses
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 301</td>
<td>Mystery &amp; Monument: Ancient Greece</td>
<td>3</td>
</tr>
<tr>
<td>CLA 302</td>
<td>Mystery &amp; Monument: Ancient Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 303</td>
<td>Pompeii &amp; Herculaneum</td>
<td>3</td>
</tr>
<tr>
<td>CLA 304</td>
<td>Etruscan Art and Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CLA 305</td>
<td>Cleopatra Thru Anc &amp; Mod Eyes</td>
<td>3</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td>3</td>
</tr>
</tbody>
</table>
Ancient Cultures Concentration of the Classical Studies Major

After completing the Ancient Cultures Concentration:

Goal 1: Students will develop a critical understanding of the literary production of the ancient Mediterranean.

Objective 1.1: Students can analyze primary textual sources (all in translation) in their literary, social, historical, political, economic, philosophical, religious, or legal context.

Objective 1.2: Students can identify gaps or conflicting information in textual sources.

Objective 1.3: Students can specify methods and approaches needed to analyze fragmentary or inconclusive information preserved in ancient texts.

Goal 2: Students will incorporate material evidence into their study of ancient Mediterranean cultures.

Objective 2.1: Students can demonstrate the significance of art and architecture for understanding an ancient society.

Objective 2.2: Students can apply evidence from material culture to illuminate their analysis of textual sources.

Objective 2.3: Students can recognize and describe specific motifs or techniques in ancient art or architecture.

Goal 3: Students will gain a critical awareness of the interconnectedness of ancient Mediterranean cultures.

Objective 3.1: Students can assess differences and commonalities (cultural, historical, artistic, literary, religious, etc.) across geographical and linguistic boundaries.

Objective 3.2: Students can identify and analyze influences of one ancient culture upon another.

Objective 3.3: Students can apply scholarly methods of analysis of one ancient culture to another.

Goal 4: Students will investigate the influence of Mediterranean antiquity upon modern culture.

Objective 4.1: Students can explain how ancient Mediterranean cultures have shaped western culture, in particular spheres such as literature, art, architecture, law, politics, philosophy, and religion.

Objective 4.2: Students can discuss the use and abuse of evidence about ancient Mediterranean cultures in later times.

Goal 5: Students will generate written and/or oral work by deploying standard research tools.

Objective 5.1: Students can formulate meaningful interpretations of the literature and/or material culture of Mediterranean antiquity.

Objective 5.2: Students can assess ways in which perceptions about the ancient Mediterranean world have been shaped by contemporary social and political contexts and concerns.
Objective 5.3: Students can apply broad theoretical frameworks that help to integrate the study of ancient cultures into research in other relevant fields.

Goal 6: Students will achieve intermediate proficiency in one ancient language.

Objective 6.1: Students can demonstrate mastery of basic Greek or Latin vocabulary, morphology, grammar, and syntax.

Objective 6.2: Students can produce an English translation of a Greek or Latin text that illustrates their knowledge of basic vocabulary, grammar, and syntax.

Ancient Cultures Concentration

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

Majors in Classical Studies must strengthen their skills in the study of antiquity by taking three complementary courses in the College of Arts and Sciences. No more than two of these courses may be taken in any one department. Students have considerable flexibility in choosing these courses because familiarity with a wide variety of issues, methods, and tools is vital to the study of antiquity. Given the interdisciplinary nature of the major (especially the Ancient Cultures concentration), the boundary between courses in the major and courses in the integrated learning requirement is inherently fluid. The three courses needed for the integrated learning requirement may be drawn from programs and departments that focus on (1) relevant cultural and historical contexts; (2) methodologies that are applied in the study of antiquity; (3) research tools that are employed in the study of antiquity. More specific recommendations are below, but students should consult with their advisors to determine what courses are best suited to their own interests. Courses listed in some departments may have prerequisites.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

Any of the following courses will satisfy the Art/Literature portion of the GEP:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 201</td>
<td>Love, Sex, Conquest; Classic Myth</td>
<td>3</td>
</tr>
<tr>
<td>CLA 202</td>
<td>Classical Epic: Gods &amp; Heroes</td>
<td>3</td>
</tr>
<tr>
<td>CLA 203</td>
<td>Classical Tragedy</td>
<td>3</td>
</tr>
<tr>
<td>CLA 204</td>
<td>Comedy: Ancient and Modern</td>
<td>3</td>
</tr>
<tr>
<td>CLA 206</td>
<td>Sports in the Ancient World</td>
<td>3</td>
</tr>
<tr>
<td>CLA 301</td>
<td>Mystery &amp; Monument: Ancient Greece</td>
<td>3</td>
</tr>
<tr>
<td>CLA 302</td>
<td>Mystery &amp; Monument: Ancient Rome</td>
<td>3</td>
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<tr>
<td>CLA 305</td>
<td>Cleopatra Through Anc &amp; Mod Eyes</td>
<td>3</td>
</tr>
<tr>
<td>CLA 306</td>
<td>Ancient Medicine</td>
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</tr>
<tr>
<td>CLA 307</td>
<td>Ancient Greece &amp; Rome in Film</td>
<td>3</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
<td>3</td>
</tr>
<tr>
<td>CLA 493</td>
<td>Ind. Research in Classics</td>
<td>3</td>
</tr>
<tr>
<td>CLA 494</td>
<td>Ind. Research in Classics</td>
<td>3</td>
</tr>
<tr>
<td>LAT 301</td>
<td>Oratory</td>
<td>3</td>
</tr>
<tr>
<td>LAT 302</td>
<td>Republican Prose</td>
<td>3</td>
</tr>
<tr>
<td>LAT 303</td>
<td>Historiography</td>
<td>3</td>
</tr>
<tr>
<td>LAT 304</td>
<td>Drama</td>
<td>3</td>
</tr>
<tr>
<td>LAT 305</td>
<td>Lyric Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 306</td>
<td>Roman Elegy</td>
<td>3</td>
</tr>
<tr>
<td>LAT 401</td>
<td>Silver Age Latin</td>
<td>3</td>
</tr>
<tr>
<td>LAT 402</td>
<td>Golden Age Latin</td>
<td>3</td>
</tr>
<tr>
<td>LAT 403</td>
<td>Epic Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 404</td>
<td>Horace</td>
<td>3</td>
</tr>
<tr>
<td>HON 318</td>
<td>Society, Democracy, Republic</td>
<td>3</td>
</tr>
</tbody>
</table>

The following courses may satisfy the Religious Difference GEP category:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 211</td>
<td>Hebrew Bible</td>
<td>3</td>
</tr>
<tr>
<td>REL 212</td>
<td>Israelite Religion</td>
<td>3</td>
</tr>
<tr>
<td>REL 321</td>
<td>Religion &amp; Law in the Anc World</td>
<td>3</td>
</tr>
<tr>
<td>REL 322</td>
<td>Myth and History in the Bible</td>
<td>3</td>
</tr>
<tr>
<td>REL 331</td>
<td>Topics in Ancient Judaism</td>
<td>3</td>
</tr>
<tr>
<td>REL 332</td>
<td>Past/ Present in ISR and PLS</td>
<td>3</td>
</tr>
<tr>
<td>REL 382</td>
<td>Women &amp; Religion in Anc Wrld</td>
<td>3</td>
</tr>
<tr>
<td>REL 383</td>
<td>Ancient Greek Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

The following course may satisfy the Diversity GEP category:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
<td>3</td>
</tr>
<tr>
<td>REL 382</td>
<td>Women &amp; Religion in Anc Wrld</td>
<td>3</td>
</tr>
</tbody>
</table>

The following course may satisfy the Ethics Intensive GEP category:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HON 318</td>
<td>Society, Democracy, Republic</td>
<td>3</td>
</tr>
</tbody>
</table>

The following may satisfy the Writing Intensive GEP category:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 307</td>
<td>Ancient Greece &amp; Rome in Film</td>
<td>3</td>
</tr>
</tbody>
</table>

Classical Studies Courses in the GEP (See Curricula)

The non-native language portion of the GEP Variable Course Requirement may be satisfied by testing (obtaining a score of 5 on an AP Latin Examination) or through successful completion of any of the following course sequences:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT 101 &amp; LAT 102</td>
<td>Beginning Latin I and Beginning Latin II (2 courses, 4/4, 8 credits)</td>
<td>8</td>
</tr>
</tbody>
</table>
Learning Goals and Objectives for the Classical Languages and Literatures Concentration

After completing the Classical Languages and Literatures concentration:

Goal 1: Students will gain proficiency in reading Latin or ancient Greek.

Objective 1.1: Students can demonstrate mastery of Latin or ancient Greek vocabulary, morphology, grammar, and syntax.

Objective 1.2: Students can produce an accurate English translation of a grammatically and syntactically complex Latin or ancient Greek text.

Objective 1.3: Students can apply metrical rules to reading aloud Latin or ancient Greek poetry.

Goal 2: Students will develop philological skills and engage in critical analysis of ancient Greek and/or Latin literature.

Objective 2.1: Students can comment meaningfully on the ideas of a Latin or ancient Greek text.

Objective 2.2: Students can examine an ancient text within its social, historical, economic, political, religious, philosophical, or legal context.

Objective 2.3: Students can identify basic themes, ideologies, and/or stylistic features of major literary genres.

Goal 3: Students will deploy evidence from material culture.

Objective 3.1: Students can incorporate material from classical art and architecture into the interpretation of ancient textual sources.

Objective 3.2: Students can recognize and translate basic ancient Greek and/or Latin terms in epigraphic and numismatic material.

Goal 4: Students will explore the interdisciplinary nature of Classics.

Objective 4.1: Students can make connections between Classics and other academic disciplines devoted (partly or wholly) to the study of the ancient world, such as history, archaeology, philosophy, and theology.

Objective 4.2: Students can demonstrate awareness of the importance of the classical world for more recently developed disciplines, such as psychology, gender studies, and film studies.

Goal 5: Students will investigate the impact of classical antiquity on modern languages and culture.

Objective 5.1: Students can explain the significance of Latin for English and the Romance languages.

Objective 5.2: Students can discuss how classical antiquity has shaped western thought and culture, in particular literature, art, architecture, theater, cinema, law, politics, and social structures.

Goal 6: Students will generate written and/or oral work by using standard research methods.

Objective 6.1: Students can produce cogent, well-organized, and thoroughly researched presentations (written and/or oral) by investigating primary and secondary sources.

Objective 6.2: Students can formulate meaningful and original interpretations about ancient texts and Greco-Roman culture.
for the integrated learning requirement may be drawn from programs and departments that focus on (1) relevant cultural and historical contexts; (2) methodologies that are applied in the study of antiquity; (3) research tools that are employed in the study of antiquity. More specific recommendations are below, but students should consult with their advisors to determine what courses are best suited to their own interests. Courses listed in some departments may have prerequisites.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

### Any of the following courses will satisfy the Art/Literature portion of the GEP:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 201</td>
<td>Love, Sex, Conquest: Classic Myth</td>
<td>3</td>
</tr>
<tr>
<td>CLA 202</td>
<td>Classical Epic: Gods &amp; Heroes</td>
<td>3</td>
</tr>
<tr>
<td>CLA 203</td>
<td>Classical Tragedy</td>
<td>3</td>
</tr>
<tr>
<td>CLA 204</td>
<td>Comedy: Ancient and Modern</td>
<td>3</td>
</tr>
<tr>
<td>CLA 206</td>
<td>Sports in the Ancient World</td>
<td>3</td>
</tr>
<tr>
<td>CLA 301</td>
<td>Mystery &amp; Monument: Ancnt Greece</td>
<td>3</td>
</tr>
<tr>
<td>CLA 302</td>
<td>Mystery &amp; Monument: Ancient Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 303</td>
<td>Pompeii &amp; Herculaneum</td>
<td>3</td>
</tr>
<tr>
<td>CLA 304</td>
<td>Etruscan Art and Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CLA 305</td>
<td>Cleopatra Through Anc &amp; Mod Eyes</td>
<td>3</td>
</tr>
<tr>
<td>CLA 306</td>
<td>Ancient Medicine</td>
<td>3</td>
</tr>
<tr>
<td>CLA 307</td>
<td>Ancient Greece &amp; Rome in Film</td>
<td>3</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
<td>3</td>
</tr>
<tr>
<td>CLA 493</td>
<td>Ind. Research in Classics</td>
<td>3</td>
</tr>
<tr>
<td>CLA 494</td>
<td>Ind. Research in Classics</td>
<td>3</td>
</tr>
<tr>
<td>LAT 301</td>
<td>Oratory</td>
<td>3</td>
</tr>
<tr>
<td>LAT 302</td>
<td>Republican Prose</td>
<td>3</td>
</tr>
<tr>
<td>LAT 303</td>
<td>Historiography</td>
<td>3</td>
</tr>
<tr>
<td>LAT 304</td>
<td>Drama</td>
<td>3</td>
</tr>
<tr>
<td>LAT 305</td>
<td>Lyric Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 306</td>
<td>Roman Elegy</td>
<td>3</td>
</tr>
<tr>
<td>LAT 401</td>
<td>Silver Age Latin</td>
<td>3</td>
</tr>
<tr>
<td>LAT 402</td>
<td>Golden Age Latin</td>
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<td>LAT 403</td>
<td>Epic Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 404</td>
<td>Horace</td>
<td>3</td>
</tr>
<tr>
<td>HON 318</td>
<td>Society, Democracy, Republic</td>
<td>3</td>
</tr>
</tbody>
</table>

### Classical Studies Courses in the GEP (See Curricula)

The non-native language portion of the GEP Variable Course Requirement may be satisfied by testing (obtaining a score of 5 on an AP Latin Examination) or through successful completion of any of the following course sequences:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT 101</td>
<td>Beginning Latin I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; LAT 102</td>
<td>Beginning Latin II (2 courses, 4/4, 8 credits)</td>
<td>7</td>
</tr>
<tr>
<td>LAT 201</td>
<td>Intermediate Latin I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; LAT 202</td>
<td>Intermediate Latin II (2 courses, 3/3, 6 credits)</td>
<td>6</td>
</tr>
<tr>
<td>GRK 201</td>
<td>Intermediate Ancient Greek I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; GRK 202</td>
<td>Intermediate Ancient Greek II (2 courses, 3/3, 6 credits)</td>
<td>6</td>
</tr>
<tr>
<td>LAT 302</td>
<td>Intermediate Latin II (2 courses, 3/3, 6 credits)</td>
<td>3</td>
</tr>
<tr>
<td>GRK 202</td>
<td>Intermediate Ancient Greek II (2 courses, 3/3, 6 credits)</td>
<td>3</td>
</tr>
</tbody>
</table>

Any LAT courses numbered 300-400 (1 course, 3 credits)

Any GRK courses numbered 300-400 (1 course, 3 credits)

### Major Requirements:

Latin/Greek 101/102 (2 courses, 4/4, 8 credits) OR Latin/Greek 201/202/201 (2 courses, 3/3, 6 credits) OR Latin/Greek 201/202 (2 courses, 3/3, 6 credits) OR Latin/Greek 202/300-400 (2 courses, 3/3, 6 credits) OR Latin/Greek 300-400 (1 course, 3 credits).

A minimum of 10 courses in the languages, literatures, and archaeology of Classical antiquity. Four courses must be in Latin above the intermediate level (at LAT 300 level or above). The remaining six courses should be chosen from courses in Classical languages and cultures (CLA, LAT 201/202, GRK, HIS, HON, PHL, REL, THE).
Ancient Cultures Minor

Minor in Ancient Cultures

With the approval of the Director of the Classical Studies Program, students may elect a minor in Ancient Cultures by taking any 6 ancient studies courses in CLA, LAT, GRK, HIS, HON, PHL, REL, or THE courses at any level.

Classical Studies Minor

Minor in Classical Studies

With the approval of the Director of the Classical Studies Program, students may elect a minor in Classical Studies by taking a minimum of 2 LAT courses at any level, 2 CLA courses at any level, and 2 additional ancient studies courses (CLA, LAT, GRK, HIS, HON, PHL, REL, or THE) at any level.
CLASSICS

Mission

The Classics Program aims to be a model for visionary, interdisciplinary thinking, offering courses that serve the needs of multiple academic departments as well as the new General Education Program. The mission of the Classics Program is to offer courses in ancient languages including Greek, Latin and Hebrew, biblical texts, and ancient history. We offer a major in Ancient Studies in two concentrations. The Classics concentration will combine courses in intermediate/upper level Latin and Greek language and literature, Classical literature in translation, Hebrew language, Bible and religious studies, ancient history of the Mediterranean and Near East, and ancient material culture. As such, it will prepare students for secondary school teaching in Latin but it will also better prepare students for graduate study in Classical Studies and Classical Archaeology. A second concentration in Ancient Cultures is interdisciplinary and flexible to allow specialization in a variety of areas that complement existing programs (e.g., Classics, Ancient Near East, Bible, Ancient History, Archaeology). We also offer minors in Ancient Studies, Classical Humanities, and Latin. Our courses in ancient language, literature, and civilization complement courses in other disciplines so that students may combine their Latin major with a second major in English, fine and performing arts, history, languages, psychology, theology, philosophy, and elementary education.

The Classics program offers courses from the elementary to advanced levels of Latin and Greek language and literature. The program serves its majors and minors by offering a full range of advanced level Latin and Greek courses covering the works of major Latin and Greek authors and literary genres. These courses feature comprehensive exploration of Greek and Latin language and of classical society and culture and are designed to prepare majors and minors for graduate study in Classics. Our elementary and intermediate level Latin and Greek courses may be taken as prerequisite courses for advanced work in the languages, and they may also be taken to fulfill the non-native language general education program requirement. All Latin and Greek courses enable students to explore a wide variety of supplementary materials that focus upon mythology, religion, literacy and education, and political and social history.

We also offer courses in ancient culture and civilization, including Classical Mythology, Classical Epic, Classical Tragedy, Ancient Medicine, and survey courses in Art & Archaeology of Greece and Rome along with specialized topics in Pompeii and Herculaneum, the Etruscans, and the Phoenicians. We offer two Honors courses that focus on Greece and Rome: Golden Age of Rome and Sexuality and Gender in the Ancient World. Knowledge of Greek and Latin are not required for any of these civilization courses, which may be taken to fulfill requirements for the major or minor, to fulfill the Art/Literature GEP, or as free electives. These courses are interdisciplinary and stress connections with other disciplines such as history, literature, philosophy, theology, gender studies, and the social and natural sciences.

Major Requirements

Major Concentration

Ten approved courses. All majors must take at least one course in archaeology and attain at least intermediate proficiency in at least one ancient language. Additional requirements are distributed according to each student’s concentration within the major. Students with an interest in teaching in Latin or in graduate studies related to Classics (including Classical archaeology) should choose the Classics concentration. The strong emphasis on ancient languages in the Classics concentration is essential for these goals. The Ancient Cultures concentration is an interdisciplinary program that may be appropriate for students who have other career goals but share an interest in the study of antiquity. The Ancient Cultures concentration also more easily accommodates advanced studies in mathematics and computer science, which are vital to archaeology. In both concentrations, courses at the intermediate 200 level in any ancient language may count among the ten courses. Courses at the introductory 100 level in an ancient language cannot be counted among the ten courses unless it is a student’s second ancient language and a student satisfies the requirement for intermediate proficiency in another ancient language.

Classes in the GEP (See Curricula)

The non-native language portion of the GEP Variable Course Requirement may be satisfied by testing (obtaining a score of 5 on an AP Latin Examination) or through successful completion of any of the following course sequences:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT</td>
<td>Beginning Latin I</td>
<td>3-8</td>
</tr>
<tr>
<td>LAT</td>
<td>Beginning Latin II</td>
<td></td>
</tr>
<tr>
<td>GRK</td>
<td>Beginning Ancient Greek I</td>
<td></td>
</tr>
<tr>
<td>GRK</td>
<td>Beginning Ancient Greek II</td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>Beginning Latin II</td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>Intermediate Latin I</td>
<td></td>
</tr>
<tr>
<td>GRK</td>
<td>Beginning Ancient Greek II</td>
<td></td>
</tr>
<tr>
<td>GRK</td>
<td>Beginning Ancient Greek II</td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>Intermediate Latin I</td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>Intermediate Latin II</td>
<td></td>
</tr>
<tr>
<td>GRK</td>
<td>Intermediate Ancient Greek I</td>
<td></td>
</tr>
<tr>
<td>GRK</td>
<td>Intermediate Ancient Greek II</td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>Intermediate Latin II (and 2 from LAT at the 300 or 400 level)</td>
<td></td>
</tr>
<tr>
<td>GRK</td>
<td>Intermediate Ancient Greek II (and 2 from GRK at the 300 or 400 level)</td>
<td></td>
</tr>
</tbody>
</table>

Any of the following courses will satisfy the Art/Literature portion of the GEP:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA</td>
<td>Love, Sex, Conquest, Classic Myth</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Classical Epic: Gods &amp; Heroes</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Classical Tragedy</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Comedy: Ancient and Modern</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Sports in the Ancient World</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Mystery &amp; Monument: Ancient Greece</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Mystery &amp; Monument: Ancient Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Pompeii &amp; Herculaneum</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Etruscan Art and Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CLA</td>
<td>Cleopatra Through Anc. &amp; Mod Eyes</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>CLA 306</td>
<td>Ancient Medicine</td>
<td>3</td>
</tr>
<tr>
<td>CLA 307</td>
<td>Ancient Greece &amp; Rome in Film</td>
<td>3</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
<td>3</td>
</tr>
<tr>
<td>CLA 493 &amp; CLA 494</td>
<td>Ind. Research in Classics and Ind. Research in Classics</td>
<td>6</td>
</tr>
<tr>
<td>LAT 301</td>
<td>Oratory</td>
<td>3</td>
</tr>
<tr>
<td>LAT 302</td>
<td>Republican Prose</td>
<td>3</td>
</tr>
<tr>
<td>LAT 303</td>
<td>Historiography</td>
<td>3</td>
</tr>
<tr>
<td>LAT 304</td>
<td>Drama</td>
<td>3</td>
</tr>
<tr>
<td>LAT 305</td>
<td>Lyric Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 306</td>
<td>Roman Elegy</td>
<td>3</td>
</tr>
<tr>
<td>LAT 401</td>
<td>Silver Age Latin</td>
<td>3</td>
</tr>
<tr>
<td>LAT 402</td>
<td>Golden Age Latin</td>
<td>3</td>
</tr>
<tr>
<td>LAT 403</td>
<td>Epic Poetry</td>
<td>3</td>
</tr>
<tr>
<td>LAT 404</td>
<td>Horace</td>
<td>3</td>
</tr>
</tbody>
</table>

**Professor**
- Marsilio (Director)

**Associate Professors**
- Nikoloutsos

**Adjunct Lecturers**
- Bender
- Brown
- Dlugacz

**Undergraduate Majors**
- Ancient Cultures (p. 124)
- Classics (p. 126)

**Undergraduate Minors**
- Ancient Studies (p. 128)
- Latin (p. 128)

**CLA 201 Love, Sex, Conquest: Classic Myth (3 credits)**
Study and interpretation of the sources, nature, and function of Greek and Roman mythology, including its major story patterns, divine and human figures, and recurrent themes; exploration of the significance and uses of mythology and mythic symbolism; understanding and appreciation of the continuing significance of classical mythology in literature, the arts, and modern popular culture. Fulfills the Art/Literature requirement of the GEP. *Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate*

**CLA 202 Classical Epic: Gods & Heroes (3 credits)**
We will engage in reading, discussion and analysis of the Greek epic poems of Homer (Iliad and Odyssey), Hesiod (Works and Days), and the Roman epic of Virgil (Aeneid). We will consider important questions and topics arising from a reading of Homer, such as the identity of the poet and his society, his depiction of Late Bronze Age "heroic" values, the "oral" and "formular" nature of Homeric language, Homeric theology, Mycenaean civilization and the historical/archaeological evidence for the Trojan War. We will then consider Hesiod's response to Homer's warrior society and values in his Works and Days, and Virgil's reshaping of Homeric epic conventions and promotion of Augustan policy and ideals in his Aeneid. Fulfills the Art/Literature requirement of the GEP. *Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate*

**CLA 203 Classical Tragedy (3 credits)**
This course features reading in English of several original tragedies of Aeschylus, Sophocles, and Euripides. Students discuss the nature and character of the gods in these plays as well as the interactions and relationships between human and divine characters. The class also evaluates the often expressed idea that the texts of Greek tragedy and comedy reflect an Athenian society in crisis. The class will explore how various forms of upheaval in politics, education, religion, and domestic life are reflected in Athenian drama, and also how the Athenian playwrights may be commenting on these issues. Another significant topic of examination is the tendency of Athenian tragedy to feature characters that rebel against or subvert traditional Athenian gender roles. We discuss in each case what these reversals reveal about the characters and what consequences arise from these reversals. In order to assist students in visualizing the dramas, the instructor will show images from ancient Greek theatres at Athens and Epidaurus and scenes from the famous National Theatre of Great Britain production of Aeschylus’ Oresteia (directed by Peter Hall, with actors performing in masks) and the equally famous Kennedy Center production of Euripides’ Medea. Fulfills the Art/Literature requirement of the GEP. *Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate*

**CLA 204 Comedy: Ancient and Modern (3 credits)**
CLA 204 Ancient Comedy (3 credits) This course features reading in English of several original comedies of Aristophanes and Plautus. The class explores the “Old Comedy” of Aristophanes with its topical satire and also evaluates the often expressed idea that the texts of Greek tragedy and comedy reflect an Athenian society in crisis. The class will consider how various forms of upheaval in politics, education, religion, and domestic life are reflected in Athenian drama, and also how Aristophanes may be commenting on these issues. We will then study the development of comedy at Rome and its debt to Greek “New Comedy,” its staging and performance, and its conventional themes and stock characters. Fulfills the Art/Literature requirement of the GEP. *Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate*
CLA 205 Ancient Rome: Art & Arch (3 credits)
CLA 206 Sports in the Ancient World (3 credits)
The purpose of the course is to explore the genesis and significance of athletics in ancient Greece and Rome with an emphasis on its socio-historical context. It will also examine how the parameters of participation and competition in ancient sports inform modern day athletic practices. The course will rely on primary literary sources, archaeology, and secondary scholarship in order to reconstruct the customs and beliefs pertaining to ancient athletics. Topics to be discussed during the semester include: the history of the ancient Olympics; other major athletic events organized in Greece (Pythian, Isthmian, and Nemean); the relationship between religion and sports in antiquity; ancient perceptions of gender and sports; pederasty and the context of the gymnasion; women in ancient athletics; Athenian vs. Spartan athletics; professional and amateur athletes; Greek athletics under the Romans; Roman spectacles; athletics and politics in the ancient world; and the role of ancient athletics in the history of the modern Olympic games. Fulfills the Art/Literature requirement of the GEP.

CLA 301 Mystery&Monument:Ancnt Greece (3 credits)
This course examines the material culture remains of various cities prominent in the history of Greece. Knossos, the main city of the island of Crete, Troy, and Mycenae are among the sites studied for their importance in the Bronze Age (3000-1100 BCE). After a detailed study of Greek architecture and the evolution of key building types such as the temple, the stoa, and the theater, students explore the material remains of Olympia, Delphi, and Athens. The myths associated with these cities are also included. Fulfills the Art/Literature requirement of the GEP.

Attributes: Ancient Studies Course, European Studies Course, GEP Art/Literature, Undergraduate

CLA 302 Mystery&Monument:Ancnt Rome (3 credits)
An introduction to the art and archaeology of Roman Italy, which will explore through digital images the major surviving monuments of Rome and its environs, of the Etruscans, and of other famous sites in Italy. Fulfills the Art/Literature requirement of the GEP.

Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 303 Pompeii & Herculanum (3 credits)
This course examines the archaeological evidence of the ancient Roman towns of Pompeii and Herculanum, and also literary and epigraphical evidence from the Roman world, to bring to light various aspects of daily life in the Roman empire in the first century AD, including politics, religion, art, housing, entertainment, and industry. It is recommended that the student has taken CLA 1121 Art and Archaeology of Italy. Fulfills the Art/Literature requirement of the GEP.

Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 304 Etruscan Art and Archaeology (3 credits)
At one time the masters of the Italian archipelago, the Etruscans have suffered at the pens of historians both ancient and modern; in redressing the record, archaeology has opened as many problems as it has solved. The Etruscans' non-Indo-European language, wealth and technology set them apart from theirItalic and Greek neighbors; though Romans adopted Etruscan religious doctrine and material culture, they ultimately conquered and eliminated this unique culture. This course examines the ancient written sources and the latest archaeological discoveries, from painted tombs and bronze armor to DNA, to identify the character of Etruscan civilization from 1000 BC to the days of Augustus, as well as its modern heritage. "Hands-on" visits to the world-class Etruscan collection in the University of Pennsylvania Museum will supplement illustrated lectures. Fulfills the Art/Literature requirement of the GEP.

Attributes: Ancient Studies Course, European Studies Course, GEP Art/Literature, Undergraduate

CLA 305 Cleopatra Thrg Anc & Mod Eyes (3 credits)
The last pharaoh of Egypt was also the first of its Macedonian rulers to speak the Egyptian language; Cleopatra was a charismatic woman, who directed her efforts toward protecting and enriching her family and subjects. Her efforts to enhance her realm collided with her family and romantic life, leaving a legacy for scholars, poets and artists down to the present day. The course will examine the Hellenistic period and the beginning of the Roman domination of the Mediterranean world, as focused in the character and historical career of Cleopatra, the last of the Ptolemaic rulers of Egypt. We will read the ancient sources on Cleopatra, the Ptolemies, Caesar and Marc Antony, the Battle of Actium and its aftermath, the consolidation of power by Octavian/Augustus. We will also analyze the evidence of ancient art and architecture, inscriptions, and archaeological contexts, including the background of Egyptian culture, the phenomenon of Alexander and the creation of the Hellenistic kingdoms. Fulfills the Art/Literature requirement of the GEP.

Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 306 Ancient Medicine (3 credits)
After a brief look at medicine in Egypt and the ancient Near East, this course will examine medicine in the Greek and Roman world. We will read and analyze ancient medical texts, principally from the Hippocratic Corpus and the writings of Galen, and literary and philosophical texts contemporary with them. We will attempt to understand the cultural contexts of ancient medicine, the thought and practices of ancient physicians, and the relationship between Greco-Roman medicine and modern traditions that derive from it. Fulfills the Art/Literature requirement of the GEP.

Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 307 Ancient Greece & Rome in Film (3 credits)
This course examines various films set in the classical world or inspired by classical themes. It focuses on the relation of these films to ancient literary sources and traces the reasons for the commercial success of the genre in the 1950's and early 1960's, and its rebirth at the dawn of the twenty-first century. The course investigates the uses and abuses of classical antiquity, such as how faithfully it is portrayed on the big screen and how modern concerns (about e.g., politics, ethnicity, morality, religion, gender, sexuality, and cinema itself) are dressed into an ancient costume. Students will read secondary literature as well as a variety of ancient sources in English translation. Students will be required to watch the films prior to class meetings, since only a few, representative scenes will be shown in class; these scenes will form part of the in-class discussion. Fulfills the Art/Literature requirement of the GEP. Also satisfies GEP Writing Intensive.

Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate
CLA 321 Anc World Sexuality & Gender (3 credits)
A study of the ancient Greek and Roman cultural constructions of gender through reading of legal, philosophical, medical, historical, religious, and literary works. We will examine the connections between the ancient ideology of gender and the legal, social, religious, and economic roles of women in Greek and Roman cultures. We will also compare this ancient ideology of gender with conceptions of masculinity and femininity in modern American culture. Fulfills the Art/Literature requirement of the GEP. Also satisfies Gender Studies requirement and GEP Diversity requirement.
Attributes: Ancient Studies Course, Diversity Course (New GEP), Gender Studies Course, GEP Art/Literature, Undergraduate

CLA 470 Topics in Classics (3 credits)
CLA 493 Ind. Research in Classics (3 credits)
The student will study a Greek or Latin author whose works are not treated in the usual sequence of courses. Or the student may undertake a research project in the Classical field that is acceptable to the Department. Fulfills the Art/Literature requirement of the GEP. Also satisfies Gender Studies requirement and GEP Diversity requirement.
Attributes: Ancient Studies Course, Undergraduate

CLA 494 Ind. Research in Classics (3 credits)
The student will study a Greek or Latin author whose works are not treated in the usual sequence of courses. Or the student may undertake a research project in the Classical field that is acceptable to the Department. Fulfills the Art/Literature requirement of the GEP.
Attributes: Ancient Studies Course, Undergraduate

Ancient Cultures Concentration of the Ancient Studies Major

Learning Goals and Objectives for the Ancient Cultures Concentration

After completing the Ancient Cultures Concentration:

Goal 1: Students will develop a critical understanding of the literary production of the ancient Mediterranean.

Objective 1.1: Students can analyze primary textual sources (all in translation) in their literary, social, historical, political, economic, philosophical, religious, or legal context.

Objective 1.2: Students can identify gaps or conflicting information in textual sources.

Objective 1.3: Students can specify methods and approaches needed to analyze fragmentary or inconclusive information preserved in ancient texts.

Goal 2: Students will incorporate material evidence into their study of ancient Mediterranean cultures.

Objective 2.1: Students can demonstrate the significance of art and architecture for understanding an ancient society.

Objective 2.2: Students can apply evidence from material culture to illuminate their analysis of textual sources.

Objective 2.3: Students can recognize and describe specific motifs or techniques in ancient art or architecture.

Goal 3: Students will gain a critical awareness of the interconnectedness of ancient Mediterranean cultures.

Objective 3.1: Students can assess differences and commonalities (cultural, historical, artistic, literary, religious, etc.) across geographical and linguistic boundaries.

Objective 3.2: Students can identify and analyze influences of one ancient culture upon another.

Objective 3.3: Students can apply scholarly methods of analysis of one ancient culture to another.

Goal 4: Students will investigate the influence of Mediterranean antiquity upon modern culture.

Objective 4.1: Students can explain how ancient Mediterranean cultures have shaped western culture, in particular spheres such as literature, art, architecture, law, politics, philosophy, and religion.

Objective 4.2: Students can discuss the use and abuse of evidence about ancient Mediterranean cultures in later times.

Goal 5: Students will generate written and/or oral work by deploying standard research tools.

Objective 5.1: Students can formulate meaningful interpretations of the literature and/or material culture of Mediterranean antiquity.

Objective 5.2: Students can assess ways in which perceptions about the ancient Mediterranean world have been shaped by contemporary social and political contexts and concerns.

Objective 5.3: Students can apply broad theoretical frameworks that help to integrate the study of ancient cultures into research in other relevant fields.

Goal 6: Students will achieve intermediate proficiency in one ancient language.

Objective 6.1: Students can demonstrate mastery of basic Greek or Latin vocabulary, morphology, grammar, and syntax.

Objective 6.2: Students can produce an English translation of a Greek or Latin text that illustrates their knowledge of basic vocabulary, grammar, and syntax.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.
Majors in Ancient Studies must strengthen their skills in the study of antiquity by taking three complementary courses in the College of Arts and Sciences. No more than two of these courses may be taken in any one department. Students have considerable flexibility in choosing these courses because familiarity with a wide variety of issues, methods, and tools is vital to the study of antiquity. Given the interdisciplinary nature of the major (especially the Ancient Cultures concentration), the boundary between courses in the major and courses in the integrated learning requirement is inherently fluid. The three courses needed for the integrated learning requirement may be drawn from programs and departments that focus on

1. relevant cultural and historical contexts;
2. methodologies that are applied in the study of antiquity;
3. research tools that are employed in the study of antiquity.

More specific recommendations are below, but students should consult with their advisors to determine what courses are best suited to their own interests. Courses listed in some departments may have prerequisites.

1. Recommended for students in both the Classics concentration and Ancient Cultures concentration interested in archaeology: Students may take any courses in BIO, CHM, CSC, MAT, PHY, SOC beyond the courses used to satisfy the GEP and major requirements.

2. Recommended for other students in the Ancient Cultures concentration: Any three courses in relevant cultures, history, language, methodologies, or research tools that may complement the major concentration.

GEP Electives

Any twelve courses

Major Concentration

Ten courses in ancient studies, at least six of which must be at the 300 level or above. At least one must be an archaeology course. The remaining courses may be chosen from any of the groups below. To ensure the interdisciplinary nature of the program, students must take courses from at least three groups. No more than three of these ten courses may be chosen from any one group except in the case of the language group, where no such restriction applies. In addition to achieving intermediate proficiency in at least one ancient language, students must take at least two additional courses in either an ancient language or an appropriate symbolic language. These two courses may be any two advanced courses (above the intermediate level) in the first ancient language; any two courses at any level in a second ancient language; or any two courses in mathematics and/or computer science above MAT 162 (Calculus II) and CSC 120 (Computer Science I). Students who use a symbolic language (mathematics or computer science) instead of an ancient language for this two-course requirement still must take at least ten courses in ancient studies.

Advisory Option—Teacher Certification in Latin

Advisors in both Classics and the Education Department guide Latin students seeking teacher certification in Latin to use electives to fulfill the following courses required for certification:

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<thead>
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<td>CLA 302</td>
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<td>Intermediate Ancient Greek I and Intermediate Ancient Greek II</td>
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</tr>
</tbody>
</table>

Education Courses

Please consult with advisors in the Department of Education.

Linguistics Course

In order to meet the certification requirements for Latin, students are required to take one course in linguistics.

Electives

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
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<tbody>
<tr>
<td>CLA 202</td>
<td>Classical Epic: Gods &amp; Heroes</td>
</tr>
<tr>
<td>CLA 203</td>
<td>Classical Tragedy</td>
</tr>
<tr>
<td>CLA 204</td>
<td>Comedy: Ancient and Modern</td>
</tr>
<tr>
<td>CLA 206</td>
<td>Sports in the Ancient World</td>
</tr>
<tr>
<td>CLA 301</td>
<td>Mystery &amp; Monument: Ancnt Greece</td>
</tr>
<tr>
<td>CLA 305</td>
<td>Cleopatra Thrgh Anc &amp; Mod Eyes</td>
</tr>
<tr>
<td>CLA 306</td>
<td>Ancient Medicine</td>
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<tr>
<td>CLA 307</td>
<td>Ancient Greece &amp; Rome in Film</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
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<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
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</tbody>
</table>
CLA 493  Ind. Research in Classics
or CLA 494  Ind. Research in Classics

Requirements for College Honors

To receive College Honors credit, students undertake two consecutive semesters of course-based research and study that culminates in a senior thesis. For students in the University Honors program, these two courses may be counted toward the eight course Honors requirement. To be eligible for College Honors, a student must have a 3.5 GPA. If you are interested in completing the College Honors project during your senior year, please be in touch with the department chair early in the spring semester of your junior year. Specific requirements for the College Honors thesis may be found under Honors Program.

Field Experience

Archaeological Fieldwork (usually one or two courses, offered in cooperation with various other universities as approved in advance, usually as summer transfer credit; because of methodological and experiential value, sites need not be limited to geographical areas normally implied in the minor). Recommended in this category is REL 332: Digging at Tel Dor (fieldwork in Israel).

International Study Tour at a location as appropriate (e.g., Italy; Greece; Turkey; Israel; Egypt; and others), with advance approval of director.

Study Abroad at an approved overseas University. Classics Program majors and minors may participate in a semester-long program at the Intercollegiate Center for Classical Studies in Rome (ICCS), or may enroll in another accredited study abroad or study tour program in Greece and/or Italy (e.g., the CIP approved John Cabot University Program in Rome, Italy; and programs pending CIP approval such as the Fairfield University Program in Syracuse, Sicily and the American Institute of Roman Culture).

Classics Concentration of the Ancient Studies Major

Learning Goals and Objectives for Classics Concentration

After completing the Classics Concentration:

Goal 1: Students will gain proficiency in reading Latin or ancient Greek.

Objective 1.1: Students can demonstrate mastery of Latin or ancient Greek vocabulary, morphology, grammar, and syntax.

Objective 1.2: Students can produce an accurate English translation of a grammatically and syntactically complex Latin or ancient Greek text.

Objective 1.3: Students can apply metrical rules to reading aloud Latin or ancient Greek poetry.

Goal 2: Students will develop philological skills and engage in critical analysis of ancient Greek and/or Latin literature.

Objective 2.1: Students can comment meaningfully on the ideas of a Latin or ancient Greek text.

Objective 2.2: Students can examine an ancient text within its social, historical, economic, political, religious, philosophical, or legal context.

Objective 2.3: Students can identify basic themes, ideologies, and/or stylistic features of major literary genres.

Goal 3: Students will deploy evidence from material culture.

Objective 3.1: Students can incorporate material from classical art and architecture into the interpretation of ancient textual sources.

Objective 3.2: Students can recognize and translate basic ancient Greek and/or Latin terms in epigraphic and numismatic material.

Goal 4: Students will explore the interdisciplinary nature of Classics.

Objective 4.1: Students can make connections between Classics and other academic disciplines devoted (partly or wholly) to the study of the ancient world, such as history, archaeology, philosophy, and theology.

Objective 4.2: Students can demonstrate awareness of the importance of the classical world for more recently developed disciplines, such as psychology, gender studies, and film studies.

Goal 5: Students will investigate the impact of classical antiquity on modern languages and culture.

Objective 5.1: Students can explain the significance of Latin for English and the Romance languages.

Objective 5.2: Students can discuss how classical antiquity has shaped western thought and culture, in particular literature, art, architecture, theater, cinema, law, politics, and social structures.

Goal 6: Students will generate written and/or oral work by using standard research methods.

Objective 6.1: Students can produce cogent, well-organized, and thoroughly researched presentations (written and/or oral) by investigating primary and secondary sources.

Objective 6.2: Students can formulate meaningful and original interpretations about ancient texts and Greco-Roman culture.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).
General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

Majors in Ancient Studies must strengthen their skills in the study of antiquity by taking three complementary courses in the College of Arts and Sciences. No more than two of these courses may be taken in any one department. Students have considerable flexibility in choosing these courses because familiarity with a wide variety of issues, methods, and tools is vital to the study of antiquity. Given the interdisciplinary nature of the major (especially the Ancient Cultures concentration), the boundary between courses in the major and courses in the integrated learning requirement is inherently fluid. The three courses needed for the integrated learning requirement may be drawn from programs and departments that focus on

1. relevant cultural and historical contexts;
2. methodologies that are applied in the study of antiquity;
3. research tools that are employed in the study of antiquity.

More specific recommendations are below, but students should consult with their advisors to determine what courses are best suited to their own interests. Courses listed in some departments may have prerequisites.

Majors in Classics who intend to pursue teacher certification will earn a double major in their primary subject area and in Secondary Education.

Below is the recommended program for students who will be eligible for a PA Level I teaching certificate in Secondary Education.

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>EDU 150 &amp; 150F</td>
<td>Schools in Society-Fr Seminar and FE Schools in Soc (preK-4/4-8) (GEP Fr Year Seminar)</td>
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<tr>
<td>EDU 157 &amp; 157F</td>
<td>Adolescent Development and FE Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246 &amp; 246F</td>
<td>Literacy, Language and Culture and FE: Literacy, Language &amp; Culture</td>
<td>3</td>
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<tr>
<td>EDU 247 &amp; 247F</td>
<td>Literacy in the Content Areas and FE: Literacy in Content Areas</td>
<td>3</td>
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<tr>
<td>SPE 160 &amp; 160F</td>
<td>Intro to Special Education and FE Intro to Special Education</td>
<td>3</td>
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<tr>
<td>SPE 203 &amp; 203F</td>
<td>Tchng Adolescents Inclus Envir and FE Tchng Adoles Inclus Environ</td>
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<tr>
<td>EDU 414 &amp; 414F</td>
<td>Instruct Techniques -For Lang and FE: Instr Tech Foreign Lang</td>
<td>3</td>
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<tr>
<td>EDU 491</td>
<td>Secondary Student Teaching</td>
<td>12</td>
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</tbody>
</table>

Note: English and foreign language majors are required to take one linguistics course.

See the Education Unit (Teacher Education Department) section for more information.

1. Recommended for other Students in the Classics concentration: Any three courses in ART, CSC, HIS, LIN, MAT, PHL, REL/THE, or SOC that may complement the major concentration, chosen in consultation with the student's advisor. These courses may include other courses in ancient studies that are outside the field of Classics.

2. Recommended for students in both the Classics concentration and Ancient Cultures concentration interested in archaeology: Students may take any courses in BIO, CHM, CSC, MAT, PHY, SOC beyond the courses used to satisfy the GEP and major requirements.

GEP Electives

Any twelve courses

Major Concentration

Ten courses in the archaeology, literature, and languages of Classical antiquity. At least one must be an appropriate archaeology course. Six courses must be in Latin above the intermediate level (i.e., LAT 300 level or above). The remaining three courses should be chosen from courses in ancient studies that deal with Classical languages and cultures (CLA, LAT, GRK, HON, HIS, PHL, REL, THE).

Advisory Option—Teacher Certification in Latin

Advisors in both Classics and the Education Department guide Latin students seeking teacher certification in Latin to use electives to fulfill the following courses required for certification:

Required Classics

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Education Courses

Please consult with advisors in the Department of Education.

Linguistics Course

In order to meet the certification requirements for Latin, students are required to take one course in linguistics.

Electives

Select two of the following:

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Requirements for College Honors

To receive College Honors credit, students undertake two consecutive semesters of course-based research and study that culminates in a senior thesis. For students in the University Honors program, these two courses may be counted toward the eight course Honors requirement. To be eligible for College Honors, a student must have a 3.5 GPA. If you are interested in completing the College Honors project during your senior year, please be in touch with the department chair early in the spring semester of your junior year. Specific requirements for the College Honors thesis may be found under Honors Program.

Field Experience

Archaeological Fieldwork (usually one or two courses, offered in cooperation with various other universities as approved in advance, usually as summer transfer credit; because of methodological and experiential value, sites need not be limited to geographical areas normally implied in the minor). Recommended in this category is REL 332: Digging at Tel Dor (fieldwork in Israel).

International Study Tour at a location as appropriate (e.g., Italy; Greece; Turkey; Israel; Egypt; and others), with advance approval of director.

Study Abroad at an approved overseas University. Classics Program majors and minors may participate in a semester-long program at the Intercollegiate Center for Classical Studies in Rome (ICCS), or may enroll in another accredited study abroad or study tour program in Greece and/or Italy (e.g., the CIP approved John Cabot University Program in Rome, Italy; and programs pending CIP approval such as the Fairfield University Program in Syracuse, Sicily and the American Institute of Roman Culture).

Latin Minor

With the approval of the director of the Classics Program, students may elect a minor in Latin by taking six courses at LAT 201 level or higher.

Ancient Studies Minor

With the approval of the directors of the Classics or Ancient Studies Programs, students may elect a minor in Ancient Studies by taking six courses in ancient studies from any of the groups below with no more than three from any one group unless it is a language group. At least two must be at the 300 level or above.
COMMUNICATION STUDIES

**Associate:** Aimée Knight, Ph.D.; David Parry, Ph.D.
**Assistant:** Bill Wolff, Ph.D.; Rachael L. Sullivan, Ph.D.; Steven R. Hammer Ph.D.
**Instructor:** J. Michael Lyons

**Undergraduate**
- Communication Studies (p. 130)

**Undergraduate Minors**
- Communication Studies (p. 132)

**COM 200 Communication Theory/Practice (3 credits)**
This introduction to communication and digital media studies focuses on various ways people employ language, image, and more cinematic means for communicative purposes. Through a series of hands-on projects students learn to research and analyze contemporary issues and trends in the field of communications, with an emphasis on digital media. In doing so, students examine how communication technologies are impacting the relationship between media audiences, producers, and content

**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

**Attributes:** Undergraduate

**COM 201 Ethics in Communication (3 credits)**
This course explores ethical issues in the field of communications. Themes include: privacy, civic media, citizen journalism, copyright, intellectual property, cyber bullying, net neutrality, social networking, global ethics, and digital divides. Students develop skills in applied ethical decision making, democratic dialogue, and civic participation through a range of projects in both online and community settings.

**Prerequisites:** COM 200

**Restrictions:** Enrollment is limited to students with a major in Communication Studies.

**Attributes:** Undergraduate

**COM 202 Digital Aesthetics (3 credits)**
This course examines the role of aesthetic, sensory-based experience in digital environments. The course focuses on contemporary ways to understand sensory perception (especially sight, sound, and touch) and its relationship to meaning making. Students will come to understand aesthetics as a mode of complex communication intricately related to social and cultural influences. Students will apply this understanding to a variety of hands-on projects involving color, typography, photography, infographics, sound design and editing, and presentation design.

**Prerequisites:** COM 200

**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

**COM 203 Civic Media (3 credits)**
This course engages students in questions about media, technology, sociality, and society. Students examine both theoretical and experiential foundations in order to understand the relationship between mediated communication and human communities. Those who complete this course will gain hands on experience engaging audiences and developing communities through various social media platforms.

**Prerequisites:** COM 200 (may be taken concurrently) and COM 201 (may be taken concurrently)

**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

**COM 204 Web Design & Development (3 credits)**
This course explores the principles and best practices for creating web content, ranging from introductory work in HTML to design prototypes and web typography. Students will work with several types of web content (text, image, audio, video) and consider how that content is best used in the composition of usable, accessible, and attractive web sites. Students will also learn about the structure/history of the web, typical design workflows, and potential careers in web work.

**Prerequisites:** COM 200 and 201

**Restrictions:** COM 200 and COM 201 and COM 202

**COM 205 Civic Media (3 credits)**
This course explores ethical issues in the field of communications. Themes include: privacy, civic media, citizen journalism, copyright, intellectual property, cyber bullying, net neutrality, social networking, global ethics, and digital divides. Students develop skills in applied ethical decision making, democratic dialogue, and civic participation through a range of projects in both online and community settings.

**Prerequisites:** COM 200

**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

**COM 306 Digital Publishing (3 credits)**
In this course students will research, produce and publish an interactive media rich culture and tour guide. This student centered digital publication will highlight art, architecture, history, culture, attractions, museums, parks, walking tours, side trips, and restaurants for the student traveler. The guidebook will also provide students traveling abroad with up-to-date, socially responsible opportunities to go beyond tourism. Destination varies depending on semester.

**COM 307 Advanced Web Design (3 credits)**
The class will be a mixture of web design theory and practical front-end techniques. Students are expected to have experience hand-coding websites using HTML and CSS, a basic understanding of using Git, and be familiar with basic principles of design such as color and typography. Topics covered will include: usability, accessibility, Git, Javascript/Query, designing for content management, and using Wordpress as a CMS. By the end of this course, students should have a solid understanding of the web design industry and modern web design techniques.

**Prerequisites:** COM 372 and COM 200 and COM 201

**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

**COM 308 Social Media & Community Engagement (3 credits)**
Not-for-profit and community-based organizations rely on strategic digital communication to create social change. Students in this course gain in-depth knowledge of communication theories and practices while conducting research projects with local organizations through the Beautiful Social Research Collaborative. Students in the course actively participate as a member of a project team to complete projects with a non-profit client.

**Prerequisites:** COM 200 and COM 201
Communication Studies Major

Program Overview

The BA in Communication Studies is a major in the College of Arts and Sciences for students interested in specializing in digital media studies as an area of expertise. The major helps students develop advanced skills in communications with an emphasis on digital media studies, including multimedia writing, video editing and production, web content strategy and design, and writing for social media platforms.

Communication Studies students acquire a solid grounding in the study of digital communications while exploring current ideas and tools that are shaping the knowledge society. A hallmark of the Communication Studies curriculum is the emphasis on both theory and practice. Not only do students study what is happening at the forefront of emerging communication technologies, they also participate. Students have access to cutting-edge resources as they make and reflect upon media and in the process acquire important skills in teamwork, innovation, design, and entrepreneurship. The major prepares students for careers in digital media including web content strategy and design, social media/ community management, and multimedia journalism.

The Department of Communication Studies is committed to excellence in teaching and learning. Faculty are dedicated to the art of thinking across media, platforms, and theories in order to create an innovative and socially responsible curriculum that goes beyond the classroom. Communication Studies students gain hands-on experience by working closely with faculty on a variety of activities.

Student Learning Goals and Objectives

Goal 1: Students will gain critical awareness of the social role of media.

Objective 1.1: Students will understand the history and context of the role that media has played in society.

Objective 1.2: Students will be able to articulate and critique the role media has historically played, and currently plays in society.

Goal 2: Students will understand the principles and practices of effective media communication.

Objective 2.1: Students will be able to identify and employ a range of effective communication strategies to navigate audience, purpose, and context.

Goal 3: Students will understand and apply human centered design approaches to communicating through digital media.

Objective 3.1: Students will analyze, articulate, and understand how multiple theoretical approaches of aesthetics and design inform the way audiences act, interact, and produce meaning.

Objective 3.2: Students will be able to create media objects which effectively apply these design principles for a desired rhetorical goal.

Goal 4: Student will understand the relation between media and social responsibility.

Objective 4.1: Students will understand and articulate the ethical questions and principles that inform the use of digital media.

COM 492 Communication-Indep. Study (3 credits)

COM 493 Indep Create ResearchProject I (3 credits)

COM 494 Indep Create ResearchProject II (3 credits)

COM 495 Advanced Research Project (3 credits)
Objective 4.2: Students will understand and articulate how digital media has been, and can be, employed to facilitate innovation, social change, and civic engagement.

Goal 5: Students will be able to use digital media in a way which demonstrates information literacy.

Objective 5.1: Students will employ digital media tools and approaches to establish the veracity and credibility of information.

Objective 5.2: Students will demonstrate the ability to effectively manage the ubiquitous flow of digital media information.

Objective 5.3: Students will be able to effectively use digital media to research, gather, and assess digital information and knowledge.

Communication Studies Major Curriculum

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

Communication majors must also take three courses in the College of Arts & Sciences (CAS) as part of the Integrated Learning Component (ILC) of the GEP. These courses must be outside of the major department. To fulfill the ILC requirement, students should choose three courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 103</td>
<td>Non Western Art &amp; Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ART 104</td>
<td>The Experience of Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ART 105</td>
<td>Arts of East Asia</td>
<td>3</td>
</tr>
<tr>
<td>ART 106</td>
<td>Art of Colonial Latin America</td>
<td>3</td>
</tr>
<tr>
<td>ART 107</td>
<td>Women, Gender, and Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 208</td>
<td>Modern Art &amp; Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ART 209</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 212</td>
<td>History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>CHN 310</td>
<td>Selections in Chinese Lit</td>
<td>3</td>
</tr>
<tr>
<td>ECN 330</td>
<td>Economics of Labor</td>
<td>3</td>
</tr>
<tr>
<td>ECN 370</td>
<td>Economic Development</td>
<td>3</td>
</tr>
<tr>
<td>ECN 375</td>
<td>Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECN 460</td>
<td>African Economies</td>
<td>3</td>
</tr>
<tr>
<td>ECN 475</td>
<td>Asian Economies</td>
<td>3</td>
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<tr>
<td>ECN 480</td>
<td>Ecns of Poverty &amp; Income Dist</td>
<td>3</td>
</tr>
<tr>
<td>ECN 485</td>
<td>Ecns of Migration &amp; Immigrtn</td>
<td>3</td>
</tr>
<tr>
<td>ENG 207</td>
<td>Images of Women in Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 211</td>
<td>Black Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENG 215</td>
<td>Passing Narratives - Black Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 329</td>
<td>Black Women's Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 364</td>
<td>History of Journalism</td>
<td>3</td>
</tr>
<tr>
<td>FRE 322</td>
<td>Making our Voices Heard</td>
<td>3</td>
</tr>
<tr>
<td>GRM 321</td>
<td>Getting to Know the Germ Media</td>
<td>3</td>
</tr>
<tr>
<td>ITA 365</td>
<td>Italian Society and the Media</td>
<td>3</td>
</tr>
<tr>
<td>JPN 310</td>
<td>Selections in Japanese Lit I</td>
<td>3</td>
</tr>
<tr>
<td>HIS 385</td>
<td>His of Women in Am Since 1820</td>
<td>3</td>
</tr>
<tr>
<td>HIS 386</td>
<td>American Environmental History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 387</td>
<td>Popular Culture in the US</td>
<td>3</td>
</tr>
<tr>
<td>MTF 191</td>
<td>Introduction to the Film</td>
<td>3</td>
</tr>
<tr>
<td>MTF 192</td>
<td>History of Narrative Film &amp; TV</td>
<td>3</td>
</tr>
<tr>
<td>MTF 291</td>
<td>American Film</td>
<td>3</td>
</tr>
<tr>
<td>MTF 292</td>
<td>European Cinemas</td>
<td>3</td>
</tr>
<tr>
<td>MTF 293</td>
<td>Asian &amp; Pacific Cinemas</td>
<td>3</td>
</tr>
<tr>
<td>MTF 294</td>
<td>Global Cinemas</td>
<td>3</td>
</tr>
<tr>
<td>PHL 262</td>
<td>Freedom, Citizenship, Culture</td>
<td>3</td>
</tr>
<tr>
<td>PHL 334</td>
<td>Ethics and Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>POL 117</td>
<td>Intro to Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POL 150</td>
<td>First-Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>POL 305</td>
<td>Politics, Ideology, &amp; Film</td>
<td>3</td>
</tr>
<tr>
<td>POL 317</td>
<td>Urban Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 324</td>
<td>Race &amp; Ethnic Politics in U.S.</td>
<td>3</td>
</tr>
<tr>
<td>POL 327</td>
<td>Environmental Politics in Am</td>
<td>3</td>
</tr>
<tr>
<td>POL 331</td>
<td>Latin American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 150</td>
<td>Gender Matters</td>
<td>3</td>
</tr>
<tr>
<td>REL 327</td>
<td>Religion &amp; Race in Phila.</td>
<td>3</td>
</tr>
<tr>
<td>RUS 310</td>
<td>Selections in Russian Lit I</td>
<td>3</td>
</tr>
<tr>
<td>SOC 205</td>
<td>Ethnic &amp; Minority Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Theories of Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOC 207</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 208</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC 252</td>
<td>Media &amp; Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>SOC 330</td>
<td>Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 335</td>
<td>Classes and Power in US</td>
<td>3</td>
</tr>
<tr>
<td>SOC 377</td>
<td>Inside-Out Expl Crime&amp;Justice</td>
<td>3</td>
</tr>
<tr>
<td>SPA 360</td>
<td>Spanish in the Community</td>
<td>4</td>
</tr>
<tr>
<td>THE 371</td>
<td>Christianity and Media</td>
<td>3</td>
</tr>
<tr>
<td>THE 372</td>
<td>Technology Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Requirements

Communication Studies Courses
Eleven required courses, including seven core courses and five option courses.

All Communication majors will be assigned a departmental advisor with whom they will consult during the course of their studies and who will help them select a series of course appropriate for both their interests and future careers.

All students complete the six Core courses and select the remaining five courses from the list of Option Courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 200</td>
<td>Communication Theory/ Practice</td>
<td>3</td>
</tr>
<tr>
<td>COM 201</td>
<td>Ethics in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 202</td>
<td>Digital Aesthetics</td>
<td>3</td>
</tr>
<tr>
<td>COM 371</td>
<td>Civic Media</td>
<td>3</td>
</tr>
<tr>
<td>COM 372</td>
<td>Web Design &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>COM 472</td>
<td>Digital Storytelling</td>
<td>3</td>
</tr>
</tbody>
</table>

**Core Courses**

**Option Courses**

Select five of the following:

- ART 173 Digital Photography I
- ART 273 Digital Photography II
- ART 373 Photo Essay/Docu Photo
- COM 382 Digital Publishing
- COM 402 Advanced Web Design
- COM 441 Social Media & Community Engrmnt
- COM 442 Non-Profit Communications
- COM 473 Special Topics/ Com&Digi Media
- COM 491 Communications Internship
- CSC 115 Intro to Computer Science
- CSC 121 Computer Science II
- ENG 206 Public Speaking & Presentation
- ENG 261 News Reporting
- ENG 263 Writing for Organizations
- ENG 265 Writing for Public Relations
- ENG 266 Case Studies: PR & Advertising
- ENG 267 Negotiations, Writing & Conflict
- ENG 268 Persuasion/Influence in Media
- ENG 343 Nonfiction Workshop
- ENG 344 Screenwriting
- ENG 345 Tutor Prac, Writ Cntr Thry Pr
- ENG 346 Writing for Digital Platforms
- ENG 360 Feature Writing
- ENG 361 Mobile Journalism
- ENG 362 Photojournalism
- ENG 363 Sports Journalism
- ENG 364 History of Journalism
- ENG 365 Multimedia Reporting
- ENG 443 Special Topics in Writing
- ENG 460 Magazine Writing
- ENG 461 Food Writing
- ENG 462 Travel Writing
- ENG 463 Literary Journalism

1 Courses in the major may be chosen from a broad set of options. Note: two of the five must be COM courses, the remainder can be either COM courses or from the list of affiliated courses

**Internship**

Students who have completed both 200 and 201 and have at least junior standing are eligible to take the Internship course as one of their option courses. In order to take the Communications Internship students must be a Communications major and have a GPA of 2.5 or higher.

**Independent Study**

Communication Studies students with junior or senior standing and an overall GPA of 3.0 may apply for credit in an independent study program. These courses usually cover a topic not typically offered as part of the standard selection of courses, but which will enhance the student's educational objectives. At the end of the semester preceding the semester in which an independent study is sought the interested students should submit a written proposal describing, with particulars, the planned study project. The minimum requirement for such a proposal is that it include a substantial critical and/or creative project, and the name of the appropriate faculty member.

**Communication Studies Minor**

**Student Learning Goals and Objectives**

**Goal 1:** Students will gain critical awareness of the social role of media.

**Objective 1.1:** Students will understand the history and context of the role that media has played in society.
**Objective 1.2:** Students will be able to articulate and critique the role media has historically played, and currently plays in society.

**Goal 2:** Students will understand the principles and practices of effective media communication.

**Objective 2.1:** Students will be able to identify and employ a range of effective communication strategies to navigate audience, purpose, and context.

**Goal 3:** Students will understand and apply human centered design approaches to communicating through digital media.

**Objective 3.1:** Students will analyze, articulate, and understand how multiple theoretical approaches of aesthetics and design inform the way audiences act, interact, and produce meaning.

**Objective 3.2:** Students will be able to create media objects which effectively applies these design principles for a desired rhetorical goal.

**Goal 4:** Student will understand the relation between media and social responsibility.

**Objective 4.1:** Students will understand and articulate the ethical questions and principles that inform the use of digital media.

**Objective 4.2:** Students will understand and articulate how digital media has been, and can be, employed to facilitate innovation, social change, and civic engagement.

**Goal 5:** Students will be able to use digital media in a way which demonstrates information literacy.

**Objective 5.1:** Students will employ digital media tools and approaches to establish the veracity and credibility of information.

**Objective 5.2:** Students will demonstrate the ability to effectively manage the ubiquitous flow of digital media information.

**Objective 5.3:** Students will be able to effectively use digital media to research, gather, and assess digital information and knowledge.

Six courses are required to complete the minor. To gain solid grounding in the field of communications, all students will satisfy three core requirements and then select three other courses from a range of options. Students must apply to enter this Minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 200</td>
<td>Communication Theory/ Practice</td>
<td>3</td>
</tr>
<tr>
<td>COM 201</td>
<td>Ethics in Communication</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM 371</td>
<td>Civic Media (if not taken in core)</td>
<td></td>
</tr>
<tr>
<td>COM 372</td>
<td>Web Design &amp; Development (if not taken in core)</td>
<td></td>
</tr>
<tr>
<td>COM 472</td>
<td>Digital Storytelling (if not taken in core)</td>
<td></td>
</tr>
<tr>
<td>COM 491</td>
<td>Communications Internship</td>
<td></td>
</tr>
</tbody>
</table>

**Course Options**
Select three (3) courses from the Major Options list.
COMPUTER SCIENCE

Department Overview
The Department of Computer Science at Saint Joseph’s University offers the following degrees:

- B.S. Computer Science,
- B.S. Information Technology, and
- M.S. Computer Science.

The department has earned ABET (Accreditation Board For Engineering And Technology) accreditation of its B.S in Computer Science program.

Professor: Babak Forouraghi, Ph.D.
Associate: George J. Grevera, Ph.D.; Susanna Wei, Ph.D.
Assistant: Wei Chang
Adjunct: Mary Krueger

Chair: Forouraghi

Undergraduate Majors
- Bachelor of Science in Computer Science (p. 139)
- Bachelor of Science in Information Technology (p. 141)

Undergraduate Minors
- Computer Science (p. 144)
- Information Technology (p. 144)

Graduate Degree
- Master of Science in Computer Science (p. 142)

CSC 110 Building Virtual Worlds (3 credits)
A gentle introduction to programming with user-friendly software (Alice). Students will use 3D animated interactive virtual worlds to develop an understanding of basic programming constructs. Open to all students. Computer science majors may take this course to prepare for CSC 120. This course presupposes no previous programming experience.
Attributes: Undergraduate

CSC 115 Intro to Computer Science (3 credits)
A gentle introduction to computer science. Students will be introduced to basic programming constructs in a language such as Python. Open to all students. Computer science majors may take this course to prepare for CSC 120. This course presupposes no previous programming experience.
Attributes: Undergraduate

CSC 120 Computer Science I (4 credits)
Computer programming for beginners. Very little prior knowledge regarding how computers work is assumed. Learn how to write understandable computer programs in a programming language widely used on the Internet. Go beyond the routine skills of a computer user and learn the programming fundamentals: data, variables, selection, loops, arrays, input/output, methods and parameter passing, object and classes, abstraction. Take what is learned and write programs for use on the Internet. One hour per week of the course is a required laboratory.
Attributes: Undergraduate

CSC 121 Computer Science II (4 credits)
The course covers intermediate programming techniques emphasizing advanced object oriented techniques including inheritance, polymorphism, and interfaces. Other topics include recursion, exception handling, design patterns, simple GUI programming, and dynamic containers such as linked lists, stacks, queues, and trees.
Prerequisites: CSC 1501 or CSC 1505 or CSC 120
Attributes: Undergraduate

CSC 125 CSC I: Programming Fundamentals (3 credits)
CSC 126 CSC II: Intermed Prog Technique (3 credits)
CSC 150 First-Year Seminar (3 credits)
CSC 201 Data Structures (4 credits)
The course covers fundamental data structures, algorithms for manipulating and retrieving information from these data structures, and techniques for analyzing their efficiency in terms of space and time. The distinction between an Abstract Data Type and its implementation is emphasized. Topics include lists, vectors, trees (general trees, binary search trees, and balanced trees), priority queues, hashing, graphs, and various searching and sorting algorithms.
Prerequisites: CSC 121
Attributes: Undergraduate

CSC 202 Computer Architecture (3 credits)
Overview of computer system organization, hardware, and communications. Introduction to combinational and sequential logic, arithmetic, CPU, memory, microprocessors, and interfaces. CISC vs. RISC processors. Assembly language programming, microarchitecture, and microprogramming on a variety of processors.
Prerequisites: CSC 121
Attributes: Undergraduate

CSC 240 Discrete Structures I (3 credits)
Topics include finite probability space, conditional probability, Bayes’ theorem, permutations and combinations, statistics and sampling distributions, the Central Limit Theorem, hypothesis testing, correlation, regression analysis, data encoding, channel capacity, the Shannon coding theorem. Data analysis projects using an appropriate statistical package will be assigned. CS & IT Prerequisite: CSC 121, or permission of the CSC chair.
Restrictions: Graduate level students may not enroll.

CSC 241 Discrete Structures II (3 credits)
Mathematics needed for Computer Science. Topics covered include: functions, relations, propositional and first order predicate logic, set theory, proofs and their construction, counting and elementary probability. The course will use a declarative language as a tool to support concrete implementations of the mathematical ideas. CS & IT Prerequisite: CSC 240.

CSC 261 Principles of Programming Lang (3 credits)
The general principles underlying programming languages, including such topics as syntax and its specification, data types, data control, flow control, storage management and support for design patterns. Examples drawn from a variety of programming languages, including functional, logical and procedural languages, will be presented.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate
CSC 281 Design & Analysis Algorithms (3 credits)
This course presents fundamental techniques for designing efficient computer algorithms and analyzing their running times. Topics include asymptotics, solving summations and recurrences, sorting and selection, graph algorithms (depth-first and breadth-first search, minimum spanning trees, and shortest paths), algorithm design techniques (divide-and-conquer, dynamic programming, and greedy algorithms), and introduction to NP-completeness.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 310 Computer Systems (3 credits)
An overview of operating systems and the software required to integrate computer hardware into a functional system. Topics include operating systems structure, interrupt driven systems, concurrency, memory management, file systems and security, and system calls.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 315 Software Engineering (3 credits)
Principles of designing large programs, including issues of specification, documentation, design strategies, coding, testing and maintenance. Students work in small groups to design and implement a major software project.
Prerequisites: (CSC 201 or CSC 2301 or MAT 2305)
Attributes: Undergraduate

CSC 341 Introduction to Graphics (3 credits)
Principles of designing large programs, including issues of specification, documentation, design strategies, coding, testing and maintenance. Students work in small groups to design and implement a major software project.
Prerequisites: (CSC 201 or CSC 2305 or CSC 2301)
Attributes: Undergraduate

CSC 342 Computer Vision (3 credits)
Computer vision is the science of analyzing images and videos in order to recognize or model 3D objects, persons, and environments. Topics include the underlying image formation principles, extracting simple features like prominent points or lines in images, projecting a scene to a picture, tracking features and areas in images and make a mosaic, making an image-based positioning system, obtaining 3D models from two or more images, and techniques to recognize simple patterns and objects. The class includes programming exercises and hands-on work with digital cameras and laser scanners.
Prerequisites: CSC 281
Attributes: Undergraduate

CSC 343 Interactive 3D Game Developmt (3 credits)
This course will cover the tools and techniques for programming interactive games and virtual reality simulations. The focus is primarily on programming aspects, including event loops and execution threads, rendering and animation in 3D, terrain/background representation, polygonal models, texturing, collision detection and physically-based modeling, game AI, and multi-user games and networking. Although this course has a significant programming focus, other topics briefly covered will include the history of computer/video game technology, game genres and design principles, and the social impact of games.
Prerequisites: CSC 2301 or CSC 2305 or CSC 201
Attributes: Undergraduate

CSC 344 Human Computer Interaction (3 credits)
User models: conceptual, semantic and syntactic considerations; cognitive and social issues for computer systems; evaluating the interface; direct manipulation; architectures for Interaction; Students will design and implement a GUI based application.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 351 Database Management Systems (3 credits)
The course will cover the concepts and structures necessary to design and implement a relational database system. Topics to be covered: entity-relationship and relational data models, relational algebra, SQL, normalization, file organization, indexing, hashing, and enterprise-wide web-based applications. CS Prerequisite: CSC 281 or permission of the CSC chair. IT Prerequisite: CSC 201 or permission of the CSC chair.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 352 Data Communication & Networks (3 credits)
Topics include mathematical foundations of data communications, logical and physical organization of computer networks, the ISO and TCP/IP models, communication protocols, circuit and packet switching, the Internet, LAN/WAN, client/server communications via sockets, routing protocols, data encryption/decryption and network security issues.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 353 Internet Application Developmnt (3 credits)
This course will attempt to give you experience in designing Internet applications. A student finishing this course should be able to design, implement, and maintain a large community or e-commerce web site. They should leave the course with an understanding of at least one common scripting tool, an understanding of how to implement a database back-end into a large-scale site, and the ability to critically assess the usability of both their design and the design others.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 354 Web Technologies (3 credits)
Topics include organization of Meta-Markup languages, Document Type Definitions (DTD), document validity and well-formedness, style languages, namespaces, Transformations, XML parsers, and XQuery. Course includes programming projects.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 355 Cryptography & Netwrk Security (3 credits)
Topics include classical cryptosystems, public and symmetric cryptography, key management, digital signatures, cipher techniques, authentication and federated identity management. Course also covers concepts relating to crypto-virology, malware, viruses, Trojan horses, worms and other types of infectors as they relate to network security. Course includes programming projects.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate
CSC 356 Mobile App Design (3 credits)
This course is designed for students who wish to start developing mobile applications on Android platforms, and through the process understand the concepts relating to Computer Science on a mobile platform. The course will include the basics of mobile and wireless technology with Android programming and will cover the most recent version of Android. Students will learn how to develop feature-rich Android applications using various development platforms and learn the basic concepts in Computer Science such as algorithmic thinking, abstractions, logic, flow control, and data representation, storage and manipulation. The primary language used in the course will be Java.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 359 Security in Mobile App Design (3 credits)
The course introduces students on how to implement and enforce access and data protection measures for mobile applications using data encryption standards, VPN policies, and authentication. The focus of the course is on the integration between the mobile application and remote authentication services. The course include Android programming projects using security specific SDK's
Prerequisites: CSC 281 or CSC 201

CSC 361 Formal Lang & Compilr Constrctn (3 credits)
Introduction to formal languages and abstract machines: finite automata and regular sets, context free grammars and pushdown automata. Syntax trees and decorated trees. Application of these ideas to the construction of compilers and other language translation software. The course will include programming projects that will illustrate the major features of compiler construction.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 362 Artificial Intelligence (3 credits)
The course covers fundamental concepts such as role of logic in reasoning, deductive proofs, and blind and informed search techniques. Additional topics may include inductive learning, genetic algorithms, decision trees, planning, natural language processing, game trees and perceptron learning.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 363 Theoretical Foundations (3 credits)
Introduction to formal models of languages and computation. Topics covered include finite automata, regular languages, context-free languages, pushdown automata, Turing machines, computability, and NP-completeness.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 370 Topics in Computer Science (3 credits)
The course introduces students to recent theoretical or practical topics of interest in computer science. Content and structure of the course are determined by the course supervisor. The special topic(s) for a given semester will be announced prior to registration.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 490 Internship (3 credits)
The course goals are: to gain first-hand experience of the daily activities of professionals in computer science and related fields, to verify an interest in a particular area of computer science, to develop and hone skills required for computer science professions, to establish contacts outside the academic community who will facilitate a career in computer science. An internship journal and a report are also required.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 493 Independent Study (3 credits)
A one- or two-semester, independent research project on a topic selected by the student and a faculty research advisor, and approved by the department. The student may undertake the two-semester option to graduate with departmental honors, in which case he/she must notify the department by spring of his/her junior year. Students need to complete the application form for independent study (available in the Dean’s Office), meet the GPA and other requirements, and have the approval of the Computer Science Department chair and Associate Dean in order to register.
Prerequisites: CSC 281 or CSC 2281
Attributes: Undergraduate

CSC 494 Independent Study (3 credits)
A one- or two-semester, independent research project on a topic selected by the student and a faculty research advisor, and approved by the department. The student may undertake the two-semester option to graduate with departmental honors, in which case he/she must notify the department by spring of his/her junior year. Students need to complete the application form for independent study (available in the Dean’s Office), meet the GPA and other requirements, and have the approval of the Computer Science Department chair and Associate Dean in order to register.
Prerequisites: CSC 281 or CSC 2281
Attributes: Undergraduate

CSC 495 Computer Science Project (3 credits)
Students will work on a substantial application based upon their prior knowledge.
Prerequisites: (CSC 2301 or CSC 2305) or CSC 201
Attributes: Undergraduate

CSC 500 Discrete Structures (3 credits)
Mathematics needed for Computer Science. Topics covered include: functions, relations, propositional and first order predicate logic, set theory, proofs and their construction, counting and elementary probability. The course will use a declarative language as a tool to support concrete implementations of the mathematical ideas.
Restrictions: Enrollment is limited to Graduate level students.

CSC 501 Computer Science I (3 credits)
This is an intensive, one-semester, two-course sequence intended to provide students with the necessary background in programming for the graduate program. The use of the computer to solve problems. Students will learn general principles of program design, at first by using libraries of predefined program units, and later, by constructing complete programs. Emphasis is on developing techniques for program design that lead to correct, readable and maintainable programs. Intermediate programming techniques including the use of recursion. An introduction to encapsulated data structures. Lists and list sorting will be used to introduce a discussion of algorithm efficiency.
Restrictions: Enrollment is limited to Graduate level students.
CSC 502 Computer Science II (3 credits)
This is an intensive, one-semester, two-course sequence intended to provide students with the necessary background in programming for the graduate program. The use of the computer to solve problems. Students will learn general principles of program design, at first by using libraries of predefined program units, and later, by constructing complete programs. Emphasis is on developing techniques for program design that lead to correct, readable and maintainable programs. Intermediate programming techniques including the use of recursion. An introduction to encapsulated data structures. Lists and list sorting will be used to introduce a discussion of algorithm efficiency.
Prerequisites: CSC 3505 (may be taken concurrently) or CSC 501 (may be taken concurrently) or CSC 3405 Placement Score with a score of 1
Restrictions: Enrollment is limited to Graduate level students.

CSC 550 Object Orient Design & Data Struct (3 credits)
The course combines a strong emphasis on Object-Oriented Design principles and design patterns with the study of data structures. Fundamental Abstract Data Types, their implementations and techniques for analyzing their efficiency will be covered. Students will design, build, test, debug and analyze medium-size software systems and learn to use relevant tools.
Prerequisites: CSC 502 or CSC 3605
Restrictions: Enrollment is limited to Graduate level students.

CSC 551 Design and Analysis (3 credits)
Concepts of program complexity; basic approaches to complexity reduction: data structures and techniques; worst cases and expected complexity. Topics to be covered may include sorting, set manipulation, graph algorithms, matrix multiplication, and finite Fourier transforms, polynomial arithmetic, and pattern matching.
Prerequisites: CSC 4005 or CSC 550
Restrictions: Enrollment is limited to Graduate level students.

CSC 552 Computer Architecture (3 credits)
Overview of computer system organization, hardware components, and communications. Introduction to Boolean algebra, combinational and sequential logic, arithmetic, the CPU, memory, microprocessors, and interfaces. CISC vs. RISC processors. Practical assembly language programming will be the emphasis with an introduction to micro architecture and microprogramming on a variety of processors.
Prerequisites: CSC 501 or CSC 3405
Restrictions: Enrollment is limited to Graduate level students.

CSC 553 Computer Systems (3 credits)
An overview of the software required to integrate computer hardware into a functional system. The following topics are covered. Operating systems as resource managers and as virtual machines. System calls, in particular those required for process and file management; interrupt driven systems; concurrency; memory management; file systems and security.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 554 Theory of Computation (3 credits)
Formal languages, formal grammars, abstract machines; models of computation (e.g. Turing machines); computational complexity (NP completeness); undecidability and uncomputability.
Prerequisites: CSC 500
Restrictions: Enrollment is limited to Graduate level students.

CSC 610 Software Engineering (3 credits)
The purpose of this class is to teach the process of developing software. It combines a study of methods, tools, and techniques for creating and evolving software products, with the practical skills needed to deliver high-quality software products on schedule. The methods that are studied include requirements, specification, design, implementation, testing, and maintenance. The course includes a substantial group project.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 611 Human Computer Interaction (3 credits)
User models: conceptual, semantic and syntactic considerations; cognitive and social issues for computer systems; evaluating HCI; direct manipulation; the model view controller architecture; widgets and toolkits. Students will design a GUI based application.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 612 Program Verification (3 credits)
Symbolic logic and mechanized deduction; program specification; loop invariants; the proof methods of Floyd and Hoare; parallel computations; program semantics.
Prerequisites: CSC 551 or CSC 4015
Restrictions: Enrollment is limited to Graduate level students.

CSC 613 Software testing (3 credits)
A systematic approach to software testing, in context of the software life cycle and as a branch of software engineering, building on students’ prior knowledge of software engineering. Through both the breadth and depth of its coverage, the course prepares students to make an effective contribution to software testing as professional software engineers.
Prerequisites: CSC 3675 or CSC 500
Restrictions: Enrollment is limited to Graduate level students.

CSC 620 Internet App. Development (3 credits)
This course will attempt to give you experience in designing Internet applications. A student finishing this course should be able to design, implement, and maintain a large community or e-commerce web site. They should leave the course with an understanding of a variety of Internet protocols and markup languages, a knowledge of at least one common scripting tool, an understanding of how to implement a database back-end into a large-scale site, and the ability to critically assess the usability of both their design and the design others.
Prerequisites: CSC 502
Restrictions: Enrollment is limited to Graduate level students.

CSC 621 Database Systems (3 credits)
This course covers the concepts and structures necessary to design and implement a database management system. Topics to be covered: data models (entity-relationship and relational), SQL, normalization, storage structures, enterprise applications and database integrity.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 622 Advanced Database Concepts (3 credits)
Topics include stored procedures, triggers, query processing and optimization, web-based enterprise data applications, transaction management, concurrency control, distributed databases, data mining and web mining. The course includes programming projects involving SQL.
Prerequisites: CSC 621 or CSC 5215
Restrictions: Enrollment is limited to Graduate level students.
CSC 623 Data Comm and Networking (3 credits)
Topics include mathematical foundations of data communications, logical and physical organization of computer networks, the ISO and TCP/IP models, communication protocols, circuit and packet switching, the Internet, LAN/WAN, client/server communications via sockets, routing protocols, data encryption/decryption and network security issues. Prerequisite: CSC 550 Object Oriented Design and Data Systems.
Restrictions: Enrollment is limited to Graduate level students.

CSC 626 Web Technologies (3 credits)
Topics include organization of Meta-Markup languages, Document Type Definitions (DTDs), document validity and well-formedness, style languages, namespaces, Transformations, XML parsers, Web Services, and Web Security Specifications. Course includes programming projects.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 627 Introduction to Security (3 credits)
Topics include fundamental concepts in confidentiality, integrity, and availability, access control methods, cryptographic concepts, physical security, malware, computer viruses, privacy-invasive software, malware detection, network security, web security, security models, software vulnerability assessment.
Restrictions: Enrollment is limited to Graduate level students.

CSC 628 Advanced Security (3 credits)
Topics include classical cryptosystems, public and symmetric cryptography, key management, digital signatures, cipher techniques, authentication and federated identity management. Course also covers concepts relating to cryptovirology, malware, viruses, Trojan horses, worms and other types of infectors as they relate to network security. Course includes programming projects. Prerequisite: CSC 550 Object Oriented Design and Data Structures.
Restrictions: Enrollment is limited to Graduate level students.

CSC 629 Mobile App Design (3 credits)
This course is designed for students who wish to start developing mobile applications on Android platforms, and through the process understand the concepts relating to Computer Science on a mobile platform. The course will include the basics of mobile and wireless technology with Android programming and will cover the most recent version of Android. Students will learn how to develop feature-rich Android applications using various development platforms and learn the basic concepts in Computer Science such as algorithmic thinking, abstractions, logic, flow control, and data representation, storage and manipulation. The primary language used in the course will be Java. Prerequisite: CSC 551 Design and Analysis of Algorithms.
Prerequisites: CSC 550

CSC 630 Introduction to Graphics (3 credits)
The course provides an introduction to the principles of computer graphics. The emphasis will be placed on understanding how various elements that underlie computer graphics interact in the design of graphics software systems. Topics include pipeline architecture, graphics programming, 3D geometry and transformations, modeling, viewing, clipping and projection, lighting, shading and texture mapping and visibility determination. A standard graphics API will be used to reinforce concepts and the study of basic graphics algorithms. Students need some proficiency in C language and basic concepts from Linear Algebra.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 631 Computer Vision (3 credits)
Computer vision is the science of analyzing images and videos in order to recognize or model 3D objects, persons, and environments. Topics include the underlying image formation principles, extracting simple features like prominent points or lines in images, projecting a scene to a picture, tracking features and areas in images and make a mosaic, making an image-based positioning system, obtaining 3D models from two or more images, and techniques to recognize simple patterns and objects. The class includes programming exercises and hands-on work with digital cameras and laser scanners.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 632 Interactive 3D Game Developmtn (3 credits)
This is a technology-based course that uses the latest computer games technology to teach advanced programming, mathematics, and software development. The course is ideal for students with an interest in computer games who plan to seek employment in one of the country's more profitable industries, or students looking for a career in new technologies or software development. The interactive entertainment industry in the US and throughout the world is entering a new phase. New technology platforms are forcing existing development firms to diversify. There are many aspects of game design, development, production, finance, and the distribution process.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 633 Advanced Graphics (3 credits)
The goal of this course is to expose students to advanced techniques in modeling and rendering in computer graphics and visualization. Topics include parametric curves and surfaces, mesh representation, multisolution modeling, mesh simplification, ray-tracing, radiosity and volume rendering (iso-rendering and direct volume rendering), anti-aliasing and animation.
Prerequisites: CSC 630 or CSC 5305
Restrictions: Enrollment is limited to Graduate level students.

CSC 634 Computational Geometry (3 credits)
The course covers design, implementation and analysis of data structures and algorithms for solving geometric problems concerning objects like points, lines, polygons in 2-dimensional space and in higher dimensions. The course emphasizes the applications of computational geometry. Topics include overview of geometric concepts, curves and surfaces, data structures for representing solid models, convex hulls, line segment intersection, multi-dimensional data structures (kd-trees, quadtrees and BSP trees), and range searching, point location, triangulations and Voronoi diagrams.
Prerequisites: CSC 551 or CSC 4015
Restrictions: Enrollment is limited to Graduate level students.

CSC 643 Big Data and Web Intelligence (3 credits)
The course explores the concepts of big data, the use of Artificial Intelligence data exploration techniques, the map-reduce parallel computing paradigm, distributed file systems, NoSQL databases, and stream computing engines. The course includes programming projects on a cluster of Hadoop servers.
Prerequisites: CSC 550
Restrictions: Enrollment is limited to Graduate level students.
CSC 644 Security in Mobile App Design (3 credits)
The course introduces students on how to implement and enforce access and data protection measures for mobile applications using data encryption standards, VPN policies, and authentication. The focus of the course is on the integration between the mobile application and remote authentication services. The course include Android programming projects using security specific SDK's

Prerequisites: CSC 551

CSC 651 Network Security & Cryptography (3 credits)

CSC 652 Computer Forensics & Crime (3 credits)

CSC 653 Internet Privacy & Surveillance (3 credits)

CSC 654 Cybersecurity & Risk Mgmt (3 credits)

CSC 670 Topics in CS (3 credits)
The course introduces students to recent theoretical or practical topics of interest in computer science. Content and structure of the course are determined by the course supervisor. The special topics for a given semester will be announced prior to registration. With permission of the Graduate Director the course may be taken more than once.

Prerequisites: CSC 550 or CSC 4005

Restrictions: Enrollment is limited to Graduate level students.

CSC 680 Artificial Intelligence (3 credits)
The course covers fundamental concepts such as role of logic in reasoning, deductive proofs, and blind and informed search techniques. Additional topics may include inductive learning, genetic algorithms, decision trees, planning, natural language processing, game trees and perception learning. Course includes programming projects in a suitable language.

Prerequisites: CSC 502

Restrictions: Enrollment is limited to Graduate level students.

CSC 681 Programming Paradigms (3 credits)
An exploration of the relationships between computational paradigms and the computer languages that support them. The Lambda calculus and functional programming, resolution and logic based languages, machine based models and imperative languages. The impact of the computational model on program structure and language design. A mid-sized programming project will be used to illustrate the concepts.

Prerequisite: CSC 500 Discrete Structures.

Restrictions: Enrollment is limited to Graduate level students.

CSC 682 Numerical Algorithms (3 credits)
Exposition and analysis of numerical methods for modern computers; review of basic concepts in linear algebra; direct and interactive methods for solving linear and nonlinear problems in numerical algebra; basic problems in approximation theory, numerical differentiation and integration; numerical solutions of differential equations; forward and backward error analysis of algorithms; criteria for comparing the efficiency and suitability of numerical methods.

Prerequisites: CSC 550 or CSC 4005

Restrictions: Enrollment is limited to Graduate level students.

CSC 683 Information Theory and Coding (3 credits)
Data encoding and transmission; variable length coding; the Kraft inequality for noiseless transmission channels; channel capacity; noise channels and channel capacity; the Shannon coding theorem; algebraic coding schemes. Prerequisite: CSC 500 Discrete Structures.

Restrictions: Enrollment is limited to Graduate level students.

CSC 684 Complexity of Computation (3 credits)
P and NP problems; NP-complete classes; concrete complexity and the P class of combinatorial problems; complexity reduction on graph and string problems; complexity of algebraic computations.

Prerequisites: (CSC 4015 or CSC 551) and (CSC 4025 (may be taken concurrently) or CSC 552 (may be taken concurrently))

Restrictions: Enrollment is limited to Graduate level students.

CSC 690 Computer Science Internship (3 credits)
An approved internship in advanced computer science.

CSC 791 Research Project I (3 credits)
Supervised independent research mentored by a graduate faculty member. Prerequisite: GPA of 3.5 and permission of the Graduate Director.

Restrictions: Enrollment is limited to Graduate level students.

CSC 792 Research Project II (3 credits)
Supervised independent research mentored by a graduate faculty member. Prerequisite: GPA of 3.5 and permission of the Graduate Director.

Restrictions: Enrollment is limited to Graduate level students.

CSC 793 Research Project III (6 credits)
Supervised independent research mentored by a graduate faculty member. Prerequisite: GPA of 3.5 and permission of the Graduate Director.

Restrictions: Enrollment is limited to Graduate level students.

Computer Science Major

Goals and Objectives for the B.S. in Computer Science

Goal 1: Graduates succeed as practicing computer scientists.

Students will be able to:

Objective 1.1: Solve problems and implement their solutions in an appropriate computational environment.

Objective 1.2: Apply their knowledge of computer science, mathematics, and science to solve technical problems.

Objective 1.3: Design systems, components, or processes to meet specified requirements.

Objective 1.4: Work in teams to create various software systems, both large and small.

Objective 1.5: Communicate effectively, orally and in written form, individually and/or in teams.

Goal 2: Graduates adapt and evolve in complex technological environments such as those found in the workplace.

Students will be able to:

Objective 2.1: Solve problems and implement their solutions in an appropriate computational environment.

Objective 2.2: Apply their knowledge of computer science, mathematics, and science to solve technical problems.

Objective 2.3: Design systems, components, or processes to meet specified requirements.
Objective 2.4: Work in teams to create various software systems, both large and small.

Objective 2.5: Analyze contemporary issues related to the evolving discipline of computer science.

Objective 2.6: Communicate effectively, orally and in written form, individually and/or in teams.

Goal 3: To provide graduates with a firm foundation in the scientific and mathematical principles that support the computing discipline.

Students will be able to:

Objective 3.1: Solve problems and implement their solutions in an appropriate computational environment.

Objective 3.2: Apply their knowledge of computer science, mathematics, and science to solve technical problems.

Objective 3.3: Design systems, components, or processes to meet specified requirements.

Goal 4: Graduates are careful, precise, mature thinkers, and take with them, the intellectual preparation they need to apply what they have learned, communicate it to others, and continue their education for the rest of their lives.

Students will be able to:

Objective 4.1: Enter and succeed in graduate programs in computing.

Objective 4.2: Solve problems and implement their solutions in an appropriate computational environment.

Objective 4.3: Apply their knowledge of computer science, mathematics, and science to solve technical problems.

Objective 4.4: Design systems, components, or processes to meet specified requirements.

Objective 4.5: Articulate the social, professional, ethical and legal aspects of a computing environment.

Objective 4.6: Analyze contemporary issues related to the evolving discipline of computer science.

Objective 4.7: Communicate effectively, orally and in written form, individually and/or in teams.

Requirements for the Computer Science Major

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 155</td>
<td>Fundamentals of Calculus</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
<td></td>
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</tbody>
</table>

Natural Science

One semester of any lab-based natural science course (see ILC)

1 A total of thirty semester hours of science and mathematics courses are required with at least fifteen semester hours of mathematics (other than pre-calculus).

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 156</td>
<td>Applied Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 162</td>
<td>Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

- One additional Mathematics course numbered 213 or higher
- LIN 200 Introduction to Linguistics

Natural Science

Select one additional lab-based natural science course (see GEP Variable Courses)

1 A total of thirty semester hours of science and mathematics courses are required with at least fifteen semester hours of mathematics (other than pre-calculus).

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 156</td>
<td>Applied Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 162</td>
<td>Calculus II</td>
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</tr>
</tbody>
</table>

Select one of the following:

- One additional Mathematics course numbered 213 or higher
- LIN 200 Introduction to Linguistics

Natural Science

Select one additional lab-based natural science course (see GEP Variable Courses)

1 A total of thirty semester hours of science and mathematics courses are required with at least fifteen semester hours of mathematics (other than pre-calculus).

GEP Electives

Six courses

Major Requirements

Major Concentration

Fifteen courses including

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 120</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CSC 121</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CSC 240</td>
<td>Discrete Structures I</td>
<td>3</td>
</tr>
<tr>
<td>CSC 241</td>
<td>Discrete Structures II</td>
<td>3</td>
</tr>
<tr>
<td>CSC 201</td>
<td>Data Structures</td>
<td>4</td>
</tr>
</tbody>
</table>
**Double Major in Computer Science**

**Advisor**  
* Dr. Wei

With the approval of the Department, students who wish to double major in Computer Science and another discipline shall first satisfy the Major’s requirement of the Nine Required Core Courses and then take an additional CSC elective course.

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**Information Technology Major**

**B.S. Information Technology Goals and Objectives**

**Goal 1:** Graduates will succeed as practicing information technologists.

Students will be able to:

- **Objective 1.1:** Solve business-related problems and implement their solutions in an appropriate computational environment.
- **Objective 1.2:** Apply their knowledge of computer science and business to develop business-related software solutions.
- **Objective 1.3:** Design systems, components, or processes to meet specified business requirements.
- **Objective 1.4:** Work in teams to create various software systems, both large and small.
- **Objective 1.5:** Communicate effectively, orally and in written form, individually and/or in teams.

**Goal 2:** Graduates will adapt and evolve in complex technological environments such as those found in the workplace.

Students will be able to:

- **Objective 2.1:** Solve business-related problems and implement their solutions in an appropriate computational environment.
- **Objective 2.2:** Apply their knowledge of computer science and business to develop business-related software solutions.
- **Objective 2.3:** Design systems, components, or processes to meet specified business requirements.
- **Objective 2.4:** Work in teams to create various software systems, both large and small.
- **Objective 2.5:** Articulate the social, professional, ethical and legal aspects of an IT environment.
- **Objective 2.6:** Communicate effectively, orally and in written form, individually and/or in teams.

**Goal 3:** Graduates will have a firm foundation in the computing and business principles that support the IT discipline.

Students will be able to:

- **Objective 3.1:** Solve business-related problems and implement their solutions in an appropriate computational environment.
- **Objective 3.2:** Apply their knowledge of computer science and business to develop business-related software solutions.
- **Objective 3.3:** Design systems, components, or processes to meet specified business requirements.

**Goal 4:** Graduates are careful, precise, mature thinkers, and take with them the intellectual preparation they need to apply what they have learned, communicate it to others, and continue their education for the rest of their lives.

Students will be able to:

- **Objective 4.1:** Enter and succeed in graduate programs in computing, business, or information technology.
- **Objective 4.2:** Solve business-related problems and implement their solutions in an appropriate computational environment.
- **Objective 4.3:** Apply their knowledge of computer science and business to develop business-related software solutions.
- **Objective 4.4:** Design systems, components, or processes to meet specified business requirements.
- **Objective 4.5:** Articulate the social, professional, ethical and legal aspects of an IT environment.
- **Objective 4.6:** Analyze contemporary issues related to the evolving discipline of IT.
- **Objective 4.7:** Communicate effectively, orally and in written form, individually and/or in teams.

**Requirements for the Information Technology Major**

The traditional undergraduate programs include 40 courses distributed across three components: a General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

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**General Education Signature Courses**

See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**

See this page about Variable courses (p. 26). Six to Nine courses
## Admission Requirements and Procedures

Application to the program does not require a GRE test, as assessment is based on examining the applicants’ transcripts. There is also no minimum GPA required. Applicants should have the following undergraduate preparation:

### Computer Science

The equivalent of the following courses currently required in the undergraduate Computer Science program:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 120</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CSC 121</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
</tbody>
</table>

These courses use the Java programming language.

### Mathematics

The equivalent of the following courses in an undergraduate Mathematics or Computer Science program:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 226</td>
<td>Introduction to Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>CSC 240</td>
<td>Discrete Structures I</td>
<td>3</td>
</tr>
</tbody>
</table>

1. New students will be required to take a placement examination in these subjects. Students who are deficient in these requirements must take and earn (without graduate credit) a grade of B in the appropriate courses.

## Application Procedures

Applicants should submit or have sent to the Office of Graduate Operations the following:

- a completed Saint Joseph’s University graduate application.
- official sealed transcript(s) of undergraduate/graduate coursework. If you are a SJU graduate the Office of Graduate Operations will obtain your SJU transcripts for you.
- two letters of recommendation appraising the candidate’s promise and capacity for graduate study, reflecting, from a professional’s point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level.
- a personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant’s rationale for program choice and professional study.
- $35 application fee – waived if attended an Open House or an SJU graduate.

## Program Options

Students may choose to graduate with an:

- M.S. degree in computer science: General Option, or
- M.S. degree in computer science: Concentration Option

## M.S. Computer Science Goals and Objectives

**Goal 1:** Graduates succeed as practicing computer scientists.
Students will be able to:

Objective 1.1: Solve problems and implement their solutions in an appropriate computational environment.

Objective 1.2: Apply their knowledge of computer science, mathematics, and science to solve technical problems.

Objective 1.3: Design systems, components, or processes to meet specified requirements.

Objective 1.4: Work in teams to create various software systems, both large and small.

Objective 1.5: Communicate effectively, orally and in written form, individually and/or in teams.

Goal 2: Graduates adapt and evolve in complex technological environments such as those found in the workplace.

Students will be able to:

Objective 2.1: Solve problems and implement their solutions in an appropriate computational environment.

Objective 2.2: Apply their knowledge of computer science, mathematics, and science to solve technical problems.

Objective 2.3: Design systems, components, or processes to meet specified requirements.

Objective 2.4: Work in teams to create various software systems, both large and small.

Objective 2.5: Analyze contemporary issues related to the evolving discipline of computer science.

Objective 2.6: Communicate effectively, orally and in written form, individually and/or in teams.

Goal 3: Graduates are careful, precise, mature thinkers, and take with them the intellectual preparation they need to apply what they have learned, communicate it to others, and continue their education for the rest of their lives.

Students will be able to:

Objective 3.1: Enter and successfully complete Ph.D. programs in computing.

Objective 3.2: Solve problems and implement their solutions in an appropriate computational environment.

Objective 3.3: Apply their knowledge of computer science, mathematics, and science to solve technical problems.

Objective 3.4: Design systems, components, or processes to meet specified requirements.

Objective 3.5: Articulate the social, professional, ethical and legal aspects of a computing environment.

Objective 3.6: Analyze contemporary issues related to the evolving discipline of computer science.

Objective 3.7: Communicate effectively, orally and in written form, individually and/or in teams.

Degree Requirements for M.S. in Computer Science: General Option

A total of ten (six core and four elective) courses is the minimum required for the M.S. in Computer Science with General Option. Of these, a maximum of two courses may be for an approved research project.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 550</td>
<td>Objct Orint Dsgn &amp; Data Struct</td>
<td>3</td>
</tr>
<tr>
<td>CSC 551</td>
<td>Design and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CSC 552</td>
<td>Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CSC 553</td>
<td>Computer Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSC 554</td>
<td>Theory of Computation</td>
<td>3</td>
</tr>
<tr>
<td>CSC 610</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CSC 621</td>
<td>Database Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses
Select any four CSC courses numbered 600 and more 12

A student who receives a grade lower than a B in a core course must retake the course.

Degree Requirements for M.S. in Computer Science: Concentration Option

A total of ten (four core and six elective) courses is the minimum for obtaining an M.S. degree in Computer Science in any of the following concentrations:

- Web and Database Technologies
- Cybersecurity

Students who do not need prerequisite courses take the following two required core courses during their first and second semesters, respectively:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 550</td>
<td>Objct Orint Dsgn &amp; Data Struct</td>
<td>3</td>
</tr>
<tr>
<td>CSC 551</td>
<td>Design and Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses
Select two of the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 552</td>
<td>Computer Architecture</td>
</tr>
<tr>
<td>CSC 553</td>
<td>Computer Systems</td>
</tr>
<tr>
<td>CSC 554</td>
<td>Theory of Computation</td>
</tr>
<tr>
<td>CSC 610</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>CSC 621</td>
<td>Database Systems</td>
</tr>
<tr>
<td>CSC 627</td>
<td>Introduction to Security</td>
</tr>
<tr>
<td>CSC 680</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>CSC 681</td>
<td>Programming Paradigms</td>
</tr>
</tbody>
</table>

A student who receives a grade lower than a B in any core course must retake the course.
Requirements for Six Elective (Concentration) Courses

Students take four courses from the same concentration plus any other two CSC courses numbered 600 and above to receive a specialized M.S. degree from that concentration:

Web and Database Technologies Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 620</td>
<td>Internet App. Development</td>
<td></td>
</tr>
<tr>
<td>CSC 621</td>
<td>Database Systems</td>
<td></td>
</tr>
<tr>
<td>CSC 622</td>
<td>Advanced Database Concepts</td>
<td></td>
</tr>
<tr>
<td>CSC 623</td>
<td>Data Comm and Networking</td>
<td></td>
</tr>
<tr>
<td>CSC 626</td>
<td>Web Technologies</td>
<td></td>
</tr>
<tr>
<td>CSC 627</td>
<td>Introduction to Security</td>
<td></td>
</tr>
<tr>
<td>CSC 629</td>
<td>Mobile App Design</td>
<td></td>
</tr>
<tr>
<td>CSC 643</td>
<td>Big Data and Web Intelligence</td>
<td></td>
</tr>
</tbody>
</table>

Cybersecurity Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 620</td>
<td>Internet App. Development</td>
<td></td>
</tr>
<tr>
<td>CSC 627</td>
<td>Introduction to Security</td>
<td></td>
</tr>
<tr>
<td>CSC 628</td>
<td>Advanced Security</td>
<td></td>
</tr>
<tr>
<td>CSC 629</td>
<td>Mobile App Design</td>
<td></td>
</tr>
<tr>
<td>CSC 644</td>
<td>Security in Mobile App Design</td>
<td></td>
</tr>
<tr>
<td>CSC 651</td>
<td>Network Security &amp;Cryptography</td>
<td></td>
</tr>
<tr>
<td>CSC 652</td>
<td>Computer Forensics &amp; Crime</td>
<td></td>
</tr>
<tr>
<td>CSC 653</td>
<td>Internet Privacy &amp;Surveillance</td>
<td></td>
</tr>
<tr>
<td>CSC 654</td>
<td>Cybersecurity &amp; Risk Mngmnt</td>
<td></td>
</tr>
</tbody>
</table>

Computer Science Minor

Advisor

- Dr. Wei

Objective 2.2: Analyze contemporary issues related to the evolving discipline of computer science.

Goal 3: Graduates have a firm foundation in the scientific and mathematical principles that supports the computing discipline.

Students will be able to:

Objective 3.1: Apply their knowledge of computer science, mathematics, and science to solve technical problems in an appropriate computational environment.

Information Technology Minor

Advisor

- Dr. Wei

With the approval of the Department, students may minor in Computer Science. Upon acceptance, the advisor will assist in selecting courses appropriate for their area of interest. Students who elect this minor must take six courses which include Computer Science I, Computer Science II, Data Structures, and three Computer Science electives numbered 202 and above.

Learning Goals and Objectives for the minor in Information Technology

Goal 1: Graduates will be practicing information technologists.

Students will be able to:

Objective 1.1: Apply their knowledge of information technology and business to solve technical problems in an appropriate computational environment.

Goal 2: Graduates adapt and evolve in complex technological environments such as those found in the workplace.

Students will be able to:

Objective 2.1: Apply their knowledge of information technology and business to solve technical problems in an appropriate computational environment.

Objective 2.2: Analyze contemporary issues related to the evolving discipline of information technology.

Goal 3: Graduates have a firm foundation in the computing and business principles that support the IT discipline.

Students will be able to:

Objective 3.1: Apply their knowledge of information technology and business to solve technical problems in an appropriate computational environment.

With the approval of the Department, students may minor in Information Technology. Upon acceptance, the advisor will assist in selecting courses appropriate for their area of interest. Students who elect this minor must take six courses which include computer Science I, Computer Science II, Data Structures, and three Computer Science electives numbered 202 and above.
CRIMINAL JUSTICE

Professors
• Bergen
• Dowdall (Emeritus)
• Kefalas

Associate Professors
• Brown (Internship Director)
• Clampet-Lundquist,
• Logio (Chair)

Assistant Professor
• Ayella
• Kelly
• Logue
• Moore

Undergraduate Major
• Criminal Justice (p. 149)

Undergraduate Minors
• Criminal Justice (p. 154)

Graduate Program
• Master of Science in Criminal Justice (p. 151)

Adult Undergraduate
• Criminal Justice Studies (p. 151)

CRJ 550 Research Methods and Analysis (3 credits)
The functions of concepts, hypotheses, and theories for an empirical discipline; the operationalization of theoretical variables; the principles of research design; and the problems of inference. The association between criminological theories and research methods used to study crime is explored through the utilization of a variety of related data sources. Also covered are basic quantitative techniques, relevant statistics, data interpretation, and an overview of SPSS. Required of all students unless CRJ 575 is taken. Restrictions: Enrollment is limited to Graduate level students.

CRJ 565 Ethics and Criminal Justice (3 credits)
This course will address ethical issues in the criminal justice system at both the theoretical and applied levels. Typical theoretical issues addressed might include the following: the relationship between law and morality; theories of punishment; conditions for the moral and/or legal responsibility of individuals; notions of procedural justice. Typical applied ethics issues might include the following: search and seizure rules; the insanity defense and the "guilty but mentally ill" verdict; plea bargaining; capital punishment; mandatory sentencing; civil disobedience; limits on the use of deadly force. Required of all students.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 570 Prof. Writ. for Law Enforcmnt (3 credits)
The course is designed to develop the cognitive and technical skills of effective writing for law enforcement. Primary emphasis will be given to the "craft of writing", thus, learning the techniques and skills of effective communication in the law enforcement workplace. Class assignments will enhance students’ use of computer technology in the writing process. These tools are then applied to a variety of topics, including correspondence, memos, investigative reports, and presentations. Required of all students.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 575 Adv. Resrch Methods & Analysis (3 credits)
In-depth coverage of data collection including questionnaire construction, advanced quantitative techniques and statistics, interpretation and drawing inferences, comprehensive use of SPSS, function of the SJU Institutional Review Board, and research report formulation. Students will select a topic, complete the literature review, and develop a research methodology that may later be used as the initial components of the master’s thesis. Prerequisite: recent coursework and present working knowledge of basic research methods. Required of students intending to complete a master’s thesis via CRJ 793. May be substituted for CRJ 550 as a core course.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 580 Criminal Behavior & Profiling (3 credits)

CRJ 601 Law and Social Policy (3 credits)

CRJ 602 Courts, Policies & Admin (3 credits)

CRJ 603 The Criminal Justice Process (3 credits)

CRJ 604 Law Enforcement Management (3 credits)

CRJ 605 Criminal Justice Admin (3 credits)
This course provides present and future senior managers with the skills to achieve organizational effectiveness. Major topics include organizational design and behavior, budgeting and financial management, diversity, performance evaluation, human resources management, labor relations, and the policy process. Restrictions: Enrollment is limited to Graduate level students.

CRJ 606 Criminal Procedure (3 credits)

CRJ 607 Multiculturalism & Diversity (3 credits)
The purpose of this course is to present a conceptual framework to provide understanding of the special conditions of minorities in the context of the criminal justice system and encourage the development of culturally and gender specific compatible skills and practical approaches to more adequately meet the challenges presented by working with minority population concerns, problems and needs.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 608 Communicatn & Conflict Resolutn (3 credits)
CRJ 609 Alternative Dispute Resolution (3 credits)
CRJ 610 Commmnty&Prob-Oriented Policing (3 credits)
CRJ 611 Crime Analys Using GIS Mapping (3 credits)
This course will examine the role of geographic information systems (GIS) in crime analysis by covering the basic components of a GIS and examining the use of GIS in police departments throughout the US. Special attention will be given to the use of GIS at the Philadelphia Police Department and will include techniques used to analyze crime patterns as well as a review of the way crime maps influence tactical deployment decisions. Finally, a visit to the Philadelphia Police Department’s Crime Analysis Unit and/or Compstat meeting will illustrate the relationship of GIS to current crime problems in Philadelphia.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 612 Police Executive Management (3 credits)
This course is geared to the non-technical police manager and is designed to give students an overview of major automated systems used today throughout the United States. Topics covered include: the Internet, project management, budgeting, automation via computer including networks, dealing with vendors, maintenance agreements, grants, and applying for technical grants. The course will highlight major public safety systems such as the National Crime Information Center (NCIC2000), computer-aided dispatch, utilization of geographic information systems, and crime mapping. The course will also cover 911 systems, mobile/field communications, and vehicle mobile data terminals (MDT). No prior technical knowledge is required.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 614 Sem:Contemp Issues in Policing (3 credits)
CRJ 615 Youth Cultures and Deviance (3 credits)
This course offers economic, cultural, political, and social perspectives on American youth based on sociological theory. Special attention will be paid to youth popular culture and the unique social problems facing young adults (e.g. gangs, drugs, suicide, and teen pregnancy).
Restrictions: Enrollment is limited to Graduate level students.
CRJ 616 Juvenile Justice & Delinquency (3 credits)
This course provides a contemporary overview of theoretical and programmatic issues and concerns in juvenile delinquency and the juvenile justice system, including a review of recent research. The course also focuses on a critical review of the trends in problem solving and delivery of services to this population.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 617 Mental Health and the Law (3 credits)
The purpose of this course is to acquaint criminal justice professionals with the mental health field and to serve as a primer for understanding mental health and mental health professionals. In addition, particular areas of interplay between mental health and criminal justice will be emphasized to provide a historical and up-to-date factual background.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 618 Therapeutic Strat Crim Justice (3 credits)
An examination of the application of basic counseling principles to varied criminal justice settings, from adult correctional institutions to post-release situations. Special emphasis is given to innovative methods and programs.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 619 Fnds of Addiction;CRJ Profess (3 credits)
The course is designed to meet the needs of the criminal justice professional in dealing with the human and social consequences of addiction. The course will provide an understanding of substance abuse problems and addiction in American society. It is designed to provide a framework for exploring the effects of these problems on the many aspects of American culture including: the individual, family, criminal justice system, healthcare system, and the workplace. Course content will also include a critical analysis of current and past treatment interventions.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 620 Evid Bas Prac Subt Ab/Beh Hlth (3 credits)
Increasingly the Substance Abuse/Behavioral Healthcare field is being asked to prove that it offers a valuable treatment service for the funds it receives. This course will explore “best practices” including practice guidelines, treatments that are efficacious and evidence based treatments for substance abuse/addiction. The course will look at the level of energy needed and the complexities to transport “Evidence Based Scientific Knowledge” into a “real” clinical environment.
Restrictions: Enrollment is limited to Graduate level students.
CRJ 621 Co-Occurring Disorders (3 credits)
CRJ 622 Basic Prin. of Behavr Analysis (3 credits)
Learning serves as the basis for behavior change. In the field of criminal justice, programs often attempt to rehabilitate delinquents and offenders. This is an advanced course on principles of learning. This course will cover studies of principles of learning from relatively simple animal studies to more complex issues such as the acquisition of human language. We will outline from a behavior analytic perspective on such issues as thinking, feeling, and imagining. We will follow the structure of Catania’s text including an overview of learning processes, learning without words in an evolutionary context, and with words examining memory.
Restrictions: Enrollment is limited to students with a concentration in Behavior Analysis. Enrollment is limited to Graduate level students.
CRJ 623 Applied Behavior Analysis (3 credits)
Often Criminal Justice Personnel are called to function as behavior managers. To function effectively as a behavior manager/analyst, Criminal Justice Personnel need to grasp the basic concepts of human behavior and its change. This course covers the practical aspects of being an applied behavior analyst working in the criminal justice system, school system and the community setting. The topics will cover: basic principles of applied behavior analysis; the application of these principles to children ADHD, ODD, and CD8; writing behavioral objectives; training parents and paraprofessionals to execute operant and respondent based treatments; programming for generalization; working as a behavior analyst in a CASSP system; and legal and ethical issues in the treatment of children in a diverse society.
Restrictions: Enrollment is limited to students with a concentration in Behavior Analysis. Enrollment is limited to Graduate level students.
CRJ 624 Behavior Analysis: Consult (3 credits)
Professionals in the field of criminal justice often serve as consultants. Consultation has become a major approach to service delivery of psycho-educational services to children and adolescents. This course focuses on behavioral consultation in the juvenile justice system, school system, workplace, and community settings. The topics covered are best practices in behavioral consultation, the verbal behavior of the consultant and the consultee, building a consulting relationship, problem identification interviewing, direct observation methodology, problem analysis interviewing, skills and functional behavioral assessment methodology, functional analysis, standardized behavioral assessment, positive behavioral support and developing a competing behaviors model, treatment plan design and implementation, and treatment evaluation using single subject designs and graphical analysis of the data.
Prerequisites: CRJ 623 and CRJ 622
Restrictions: Enrollment is limited to Graduate level students.

CRJ 625 Behavioral Development (3 credits)
Many people in the justice system today are there because of emotional and behavioral disorders. Conceptualization of behavior problems and the origins of behavioral disorders are critical to the functioning of a criminal justice professional. This course focuses on Basic Principles in Behavior Analysis and how they shape the development of normal and abnormal children. The role of these principles in normal development and developmental problems such as language delays, motor developmental delays, conduct and oppositional defiant disorder, childhood depression and autism are explored. The course reviews field applications including observations, functional behavioral assessment, curriculum-based measures and intervention strategies that involve both the school and the family.
Prerequisites: CRJ 622 and CRJ 623
Restrictions: Enrollment is limited to Graduate level students.

CRJ 626 Clinical Behavior Analysis (3 credits)
This course observes behavior analysis as it enters into the child clinical, adult clinical, supervisory level and organizational behavior. The primary goal of the course is to provide an overview and skills for behavior analysts in criminal justice to function as parole and probation officers with both adults and children, as well as organizational and system level change experts.
Prerequisites: CRJ 622 and CRJ 623 and CRJ 624
Restrictions: Enrollment is limited to Graduate level students.

CRJ 627 Contemp Criminal.: Scope&Appl (3 credits)

CRJ 628 Victimology (3 credits)
The course focuses on the contemporary concept and status of the victim, juxtaposed with their historical evolution in terms of compensation, retribution, and vengeance. Current victim assistance programs are evaluated. The definition of the victim is broadened to include currently undervalued categories. Other issues addressed are child abuse, environmental casualties, and controversies over recovered memories.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 629 Violence and Victims (3 credits)
This course is designed to explore the serious problem of violence in our society from a sociological perspective. Violence is prevalent in homes and on the streets of the United States. This course will address a variety of types of violence, its causes, consequences, and theories for prevention. Topics which will be addressed include wife abuse, rape, child abuse, gang warfare, street violence and serial murder. An emphasis will be placed on understanding the structural causes of violence such as gender, race, and social class inequality as well as the effect of pornography, the media, and drugs/alcohol on violence. Particular attention will be given to the consequences of violence for both individual victims and society as a whole.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 630 Gender, Crime, and Justice (3 credits)

CRJ 631 Criminal Jurisprudence (3 credits)

CRJ 632 Crime and Urban Communities (3 credits)
This course examines crime and delinquency at the level of the urban neighborhood. This course takes an in- depth look at the theories and research that has emphasized the community level factors that lead to crime and delinquency, and examines the topic of what neighborhoods can do to prevent crime. The course will also consider policies that aim at alleviating neighborhood problems and reducing crime. The course has a practical component that requires students to apply what they learn in class to specific problems of crime and disorder in local communities.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 633 Federal Criminal Justice (3 credits)
This course will examine the criminal justice at the federal level. The main areas are the role of each branch of government; how agencies are funded; the major investigation, prosecution, probation, and correction elements; and individual investigative agencies including Inspector General. The course will cover the mission of and interrelationships among individual agencies.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 634 Fed Criminal Law & Prosecution (3 credits)
This covers federal criminal law and its enforcement. Major areas include an overview of federal crimes, elements of the United States Code, origin and scope of federal criminal law, and the role of federal agents in the support of prosecutions. Specific topics include mail and wire fraud, the Hobbs Act, official bribery and corruption, organizational crime, drug enforcement, money laundering, criminal civil rights violations and remedies, interference with witnesses, federal versus state prosecution, sentencing guidelines, and asset forfeiture.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 635 White Collar Crime (3 credits)
The course provides an understanding of the accounting and financial bases of embezzlement, fraud, corruption, and misapplication of funds. Legislation and regulation in government and business are examined. Consumer protection and corporate responsibility are discussed.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 636 Federal Search and Seizure (3 credits)
This course is designed to teach the law of search and seizure as it is defined and applied in federal court. Instruction will focus on the requirements of the Fourth Amendment and the proper means by which a federal agent may obtain evidence through searches and seizures. This course will address legal and evidentiary issues associated with search warrants, exceptions to the warrant requirement, warrantless searches, frequent problems that confront federal agents, as well as emerging trends in the law of search and seizure.
Restrictions: Enrollment is limited to Graduate level students.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 637 Forensic Financial Analysis (3 credits)
This course covers the detection of illegal financial transactions. Major topics include money laundering, fraud, embezzlement, and illicit accounting practices. Students will learn data gathering and analysis techniques for financial transactions, records, legitimate businesses, illegal organizations, and individuals. The course will include preparation for trial. Prerequisite: a basic course in accounting or permission of the instructor.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 638 Drugs: Threats, Laws & Strat (3 credits)
This course covers illegal drugs and narcotics including prescription medication diverted for illicit use. Major topics include drug types, brief history, emerging trends, relevant federal and state laws, typical domestic and foreign sources, production and distribution methods. A strategy overview includes the National Drug Control Policy; agencies involved; the role of education, interdiction, investigation, prosecution, treatment and rehabilitation; and coordination among federal, state, and local law enforcement.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 639 Org Crime: Targets & Strat (3 credits)
This course will investigate the social, economic, and political impact organized crime has on our society. We will target specific industries where organized crime has influence/control (e.g. construction, waterfront, garment, trucking, and convention centers). The course will explore criminal, civil, and administrative strategies to control and/or remove the influence of organized crime in those industries.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 640 Terrorism: Threats and Strateg (3 credits)
This course is designed to give the student an understanding of the concepts of terrorism, both domestic and international. Lecturer will address the causes and effects of terrorism as they relate to political structures from both religious and historical perspectives; noting its impact on the world today.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 641 Homeland Security (3 credits)
This course focuses on the consolidation of responsibilities and functions across agencies, at various jurisdictional levels, that have the charge of mitigating hostilities, threats, hazards, and consequences. Further, this course incorporates the pillars of robust response systems. This course is designed to develop analytical skills that will prepare students to identify, evaluate and resolve complex policy issues and initiate practical actions. Though the range of relevant issues extends from local matters to national security, this course will concentrate on preparedness strategies for state, urban and local areas.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 642 Law Enforc Intel Analysis (3 credits)
This course pursues the deliberative and cognitive activities and methodologies that surround the production of intelligence information, in support of decision-making at the strategic, tactical, and operational levels of law enforcement. Also examined are the structure and supervision of the intelligence analysis unit at various levels of law enforcement, and the role of the analyst.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 643 L.E. Intelligence:Policy & Pro (3 credits)
This course provides insights into the contemporary functions of law enforcement strategic, tactical, and operational intelligence and its influence upon crime prevention policy. The discussion will include the intelligence process in the context of intelligence unit structure and supervision, operating procedures, and resources. The course will examine how law enforcement intelligence relates to organizational relationships, planning, and decision-making.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 644 Elec Intelligence Analysis (3 credits)
This course will use the latest computer technology to train students in the use of Analyst Notebook 7, an electronic version of link analysis, telephone toll analysis and flow charts. Analyst Notebook 7 is the program currently being used by the CIA, FBI, NSA, US ARMY, INS, CUSTOMS, SECRET SERVICE, HOMELAND SECURITY, DEA, and more than 1500 other National, State and Local Law Enforcement agencies throughout the world, to combat Terrorism, Drug Smuggling, Money Laundering and Organized Crime. It is a hands-on training course and is limited to twenty-five students. Prerequisite: CRJ 642.

Prerequisites: SOC 4545 or CRJ 642

Restrictions: Enrollment is limited to Graduate level students.

CRJ 645 Sociology of Disasters (3 credits)
This course is designed to provide the graduate student advanced knowledge and understanding of the sociological issues and concerns related to both man-made and natural disasters. The purpose is to present the current research pertaining to community resilience and the effects on individuals who witness, become victimized, or are otherwise affected by disasters. Each student will be expected to increase their capacity in both oral and written communication through their individual and group participation. The course will also improve the student’s analysis of the sociological implications related to disasters.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 646 Risk Assessment (3 credits)
This course is designed to provide the graduate student advanced knowledge and understanding in the area of risk assessment and management. The focus is on the recognition of real and perceived threats, sharing information between communities and agencies, the collaboration of resources, and the management of risk. Students will examine the concepts of risk assessment, risk analysis, and the impacts of actual and suspected threats.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 647 Prob Continental Corrections (3 credits)
The major problems of adult corrections, including prison and jail overcrowding, population forecasting, judicial intervention in correctional operations, prison disturbances, mental health and incarceration, pretrial and post-conviction alternatives to traditional incarceration, ethics and corrections, and the death penalty. Case study materials are employed, and current and ongoing correctional issues are discussed.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 648 Con Prob Probation & Parole (3 credits)
This course is designed to analyze the current legal, managerial, and political factors which impact upon the probation and parole system. It will examine organizational innovations, caseload management techniques, and technological advances used to confront such problems.

Restrictions: Enrollment is limited to Graduate level students.
Program Description

The criminal justice major is designed to provide theoretical and practical knowledge for students interested in professional careers in traditional law enforcement fields such as federal law enforcement, corrections, courts, police, and probation; in administrative and management positions in criminal justice and private security; and in law and para-legal occupations. Moreover, the major's curriculum is intended to facilitate entry into graduate programs in criminal justice, sociology, and law, while also retaining a humanistic understanding of the study of crime. The criminal justice major at Saint Joseph's is distinguished by
its emphasis on creative participation, student-faculty interaction, and independent research projects.

Criminal Justice Learning Goals and Objectives

**Goal 1:** Criminal Justice majors will demonstrate comprehension of the discipline of sociology and its role in contributing to our understanding of social reality.

**Objective 1.1:** Students can apply the sociological imagination, sociological principles, and concepts to her/his own life.

**Objective 1.2:** Students can compare and contrast basic theoretical orientations.

**Goal 2:** Criminal Justice majors will develop knowledge of sociological research methods.

**Objective 2.1:** Students can design a research study in an area of choice and explain why various methodological decisions were made.

**Objective 2.2:** Students can run basic statistical analyses to answer research questions.

**Objective 2.3:** Students can identify and understand how to apply different methodologies (i.e., quantitative vs. qualitative) to the same subject and determine the benefits of each.

**Goal 3:** Criminal Justice majors will understand how to communicate within their discipline.

**Objective 3.1:** Students can engage in social scientific technical writing that accurately conveys data findings.

**Objective 3.2:** Students can orally present research or course material clearly and concisely.

**Goal 4:** Criminal Justice majors will incorporate the values from the discipline.

**Objective 4.1:** Students can assess the impact of the negative effects of social inequality.

**Objective 4.2:** Students can appraise the utility of the sociological perspective as one of several perspectives on social reality.

**Goal 5:** Criminal Justice majors will understand the operation of culture and social structure.

**Objective 5.1:** Students can describe the significance of variations by race, class, gender, sexual orientation, and age, and thus critically assess generalizations or stereotypes for inaccuracy.

**Objective 5.2:** Students will identify examples of specific policy implications using reasoning about the effects of social structuration.

**Goal 6:** Criminal Justice majors will be socialized for professional careers and/or further studies.

**Objective 6.1:** Students can identify a social problem, design ways to address it, and outline feasible steps to accomplish their task.

Requirements for the Criminal Justice Major

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**

See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**

See this page about Variable courses (p. 26). Six to Nine courses

**General Education Overlays**

See this page about Overlays (p. 27).

**General Education Integrative Learning Component**

See this page about Integrative Learning Component (p. 27). Three courses

**GEP Electives**

Seven elective courses that students may select as appropriate for their own intellectual, aesthetic, moral or career development in Criminal Justice.

**Major Requirements**

**Major Concentration**

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Theories of Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOC 207</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
</tbody>
</table>
SOC 219  Social Deviance  3
SOC 225  Intro to American CJ  3
SOC 312  Social Research Methods I & SOC 313 and Data Analysis
  6
SOC 470  Special Topics  3
SOC 495  Seminar I  3

Select any experiential learning, including study abroad, internships, study tour courses, and service learning
Select four other approved Criminal Justice courses numbered above SOC 102.

Requirements for College Honors in Sociology

To receive College Honors credit, Sociology majors will participate in the Senior Capstone experience required of all majors by taking SOC 495 as an honors course during the fall of the senior year. Additionally, College Honors candidates in Sociology will complete a second honors course during the spring of the senior year (SOC 497) that includes research, extending the senior capstone experience beyond what non-Honors students complete. For students in the University Honors program, these two upgraded courses may be counted toward the eight course Honors requirement. To be eligible to participate in College Honors, a student must have a 3.5 GPA. If you are interested in completing the College Honors project during your senior year, please be in touch with the department chair early in the spring of your junior year. More details concerning College Honors may be found under "Honors Program".

Criminal Justice Studies B.L.S.

Kim Logio, Ph.D, Chair, Sociology
Maria Kefalas, Ph.D, Program Director, Criminal Justice Studies

Learning Goals, Educational Objectives and Learning Outcomes

Goal 1: Criminal Justice Studies majors will demonstrate comprehension of the discipline and its role in contributing to our understanding of criminal justice processes.

Objective 1.1: Students will be able to compare and contrast basic theoretical orientations and apply them in at least one area of social reality.

Goal 2: Criminal Justice Studies majors will develop knowledge of criminological research methods.

Objective 2.1: Students will be able to identify basic methodological approaches and describe the general role of methods and ethical considerations in building knowledge.

Objective 2.2: Students will be able to critically assess a published research report from criminological journals and explain how the study could have been improved.

Goal 3: Criminal Justice Studies majors will understand how to communicate within their discipline.

Objective 3.1: Students will be able to write reviews of literature that express findings from criminological research.

Goal 4: Criminal Justice Studies majors will understand the operation of culture and social structure.

Objective 4.1: Students will be able to describe the significance of variations by race, class, gender, sexual orientation, and age, and thus critically assess generalizations or stereotypes for inaccuracy within the criminal justice system.

Objective 4.2: Students will be able to identify examples of specific criminal justice policy implications using reasoning about the effects of social structuration.

Students admitted prior to Summer 2016 entered under the curriculum requirements for the BS in Criminal Justice. Please see the S.JU Academic Catalog for your admit year for additional information.

General Education Program Courses

(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SOC 102</td>
<td>Intro to Sociology</td>
<td>3</td>
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</tbody>
</table>

GEP Integrative Learning Component

Two courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Any College of Arts &amp; Science course (not sociology)</td>
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</tr>
<tr>
<td>Any introductory-level social science class in Economics, Psychology, or Political Science</td>
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</table>

Major Concentration

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency</td>
<td>1</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 206</td>
<td>Theories of Crime</td>
<td>3</td>
</tr>
<tr>
<td>SOC 207</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 312</td>
<td>Social Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>Select five additional Upper Division CJ Electives 200-level or higher</td>
<td>15</td>
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</table>

Criminal Justice M.S.

Kim Logio, Associate Professor and Chair, Sociology
Sylvia DeSantis, M.A., Graduate Director,
376 Merion Hall
610-660-1269
sdesanti@sju.edu

M.S. in Criminal Justice Program Description

The Master's program in Criminal Justice is designed to meet the graduate educational needs of practitioners and students pursuing careers in criminal justice, in both the public and private sectors. While the 30-credit curriculum requires degree candidates to take four core courses, the student selects the remainder. This arrangement allows individuals to create unique plans of graduate study that are compatible.
with their interests and career objectives in the field of criminal justice. The program is flexible enough to allow students to concentrate on the theoretical and methodological knowledge needed to pursue a degree beyond the master’s or to focus on the management skills necessary to succeed as upper-level decision makers.

Course offerings and scheduling are conveniently arranged to accommodate the needs of both full-time and part-time students. Courses are offered at Main Campus and online.

**Admission Requirements and Procedures**

Students applying for admission to the Criminal Justice program must have a baccalaureate degree from an accredited college or university and an undergraduate grade point average (GPA) of at least 2.8 to be considered for admission. Students must maintain a 3.0 average throughout their tenure in the program.

Applicants should submit the following documents for admission consideration:

- a completed Saint Joseph’s University online graduate application, www.sju.edu/gradapplynow.
- official sealed transcript(s) of undergraduate/graduate coursework. If you are a SJU graduate the Office of Graduate Operations will obtain your SJU transcripts for you.
- a current resume
- two letters of recommendation (professional) from at least two faculty or employers appraising the candidate’s promise and capacity for graduate study, reflecting, from a professional’s point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level.
- a personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant’s rationale for program choice and professional study. The personal statement additionally acts as a writing sample indicating an applicant’s ability to write and communicate on the graduate level.
- $35 application fee – waived if attended an Open House or an SJU gradstudies, International Students for more information.
- documentation of English language proficiency. See www.sju.edu/gradapplynow.
- a personal statement additionally acts as a writing sample indicating an applicant’s ability to write and communicate on the graduate level.
- A limited number of graduate assistantships are offered each academic year. Applicants who wish to be considered for a graduate assistantship must complete the above application process and submit a letter directly to the Sociology Program Chair by March 1 prior to the fall semester for which they are applying for admission. Please contact the Sociology Department for more information 610-660-1640.

**Learning Goals, Educational Objectives and Learning Outcomes**

**Goal 1:** MS Criminal Justice students can demonstrate comprehension of the theoretical foundations of the criminal justice system

**Objective 1.1:** Students can explain traditional and contemporary social policy

**Objective 1.2:** Students can apply theoretical concepts to their field

**Objective 1.3:** Students (Federal Law Enforcement and Intelligence specializations) can identify legal statutes and constitutional principles

**Goal 2:** MS Criminal Justice students can understand how to integrate ethical principles into the criminal justice system

**Objective 2.1:** Students can explain and apply historical and modern ethical principles to the workplace

**Goal 3:** MS Criminal Justice students will illustrate graduate-level written and oral communication

**Objective 3.1:** Students can write clear, organized papers following APA format

**Objective 3.2:** Students can clearly and concisely articulate research or course materials through oral presentations

**Goal 4:** MS Criminal Justice students will conduct and employ empirically-sound criminal justice-related research

**Objective 4.1:** Students can identify empirical Criminal Justice research materials

**Objective 4.2:** Students can evaluate and incorporate scholarly research into literature reviews

**Objective 4.3:** Students can apply research techniques to original research

**Goal 5:** MS Criminal Justice students can implement and demonstrate intervention strategies

**Objective 5.1:** Students (Behavioral Analysis and Behavior Management specializations) can identify and chart behavioral issues and create behaviorally-specific interventions

**Degree Requirements**

A total of 30 credits is the minimum requirement for the degree regardless of concentration. Two courses (6 credits) per semester is the recommended course of study while three courses (9 credits) is considered a full-time graduate load; any courses beyond these credit hours must be approved by the Program Director and/or Chair at their discretion. If the Program Director and/or the Chair determine that an overloaded schedule does not represent the student’s best interest, then additional courses will be disallowed.

All students must satisfactorily complete the following core courses at Saint Joseph’s University:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CRJ 550</td>
<td>Research Methods and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or CRJ 575</td>
<td>Adv. Resrch Meths &amp; Analysis</td>
<td></td>
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<tr>
<td>CRJ 560</td>
<td>Criminological Theory</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 565</td>
<td>Ethics and Criminal Justice</td>
<td>3</td>
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<tr>
<td>CRJ 570</td>
<td>Prof. Writ. for Law Enforcimnt</td>
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</table>

Remaining coursework should be chosen to facilitate the student’s individual professional growth.
All Graduate Assistants and students, who intend to do a thesis, and those who have a recent and substantial undergraduate preparation in research methods, will be required to take CRJ 575 in lieu of CRJ 550.

**Master of Science—Criminal Justice—General**

This program provides students the opportunity to enhance their theoretical foundation of criminal justice; develop cognitive skills including application of ethics, written and oral communications, critical thinking, reasoning, understanding and conducting research; and prepare for their professional future.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CRJ 550</td>
<td>Research Methods and Analysis</td>
<td>3</td>
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<tr>
<td>or CRJ 575</td>
<td>Adv. Resrch Methds &amp; Analysis</td>
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<tr>
<td>CRJ 560</td>
<td>Criminological Theory</td>
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<td>CRJ 565</td>
<td>Ethics and Criminal Justice</td>
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<tr>
<td>CRJ 570</td>
<td>Prof. Writ. for Law Enforcmnt</td>
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</table>

**Electives**

Select six electives chosen from any available Criminal Justice graduate courses with the exception of Behavior Analysis courses which require program approval.

**Master of Science Criminal Justice—Concentration in Homeland Security**

This program offers students the opportunity to examine strategies, develop communication skills, execute plans, and learn about contemporary issues of terrorism which affect the public and private sectors in our society today. The curriculum can assist students in building strategies to prevent, and partnerships to prepare for homeland security incidents. Focus is on identifying threats and the critical infrastructure protections needed in the United States today.

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<tr>
<td>CRJ 550</td>
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<td>CRJ 565</td>
<td>Ethics and Criminal Justice</td>
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<tr>
<td>CRJ 570</td>
<td>Prof. Writ. for Law Enforcmnt</td>
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**Required Concentration Courses**

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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CRJ 640</td>
<td>Terrorism: Threats and Strateg</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 641</td>
<td>Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 645</td>
<td>Sociology of Disasters</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 646</td>
<td>Risk Assessment</td>
<td>3</td>
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</tbody>
</table>

**Electives**

Select two Criminal Justice courses

**Master of Science Criminal Justice—Concentration in Intelligence and Crime Analysis**

This program provides insights into the contemporary functions of law enforcement intelligence and crime analysis. The specialized courses develop the deliberate and cognitive activities and methodologies including crime mapping that produce intelligence information in support of decision-making at the strategic, tactical, and operational levels of law enforcement. Students will be prepared for the growing number of intelligence and criminal analyst positions at the federal, state, and local levels.

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CRJ 550</td>
<td>Research Methods and Analysis</td>
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<tr>
<td>or CRJ 575</td>
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<tr>
<td>CRJ 570</td>
<td>Prof. Writ. for Law Enforcmnt</td>
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**Specialized Area Courses**

Select four from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CRJ 611</td>
<td>Crime Analys Using GIS Mapping</td>
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<tr>
<td>CRJ 639</td>
<td>Org Crime:Targets &amp; Strat</td>
<td></td>
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<tr>
<td>CRJ 635</td>
<td>White Collar Crime</td>
<td></td>
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<tr>
<td>CRJ 638</td>
<td>Drugs: Threats, Laws &amp; Stratag</td>
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<tr>
<td>CRJ 640</td>
<td>Terrorism: Threats and Strateg</td>
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<tr>
<td>CRJ 641</td>
<td>Homeland Security</td>
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<tr>
<td>CRJ 644</td>
<td>Elec Intelligence Analysis</td>
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<tr>
<td>CRJ 637</td>
<td>Forensic Financial Analysis</td>
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</table>

**Electives**

Select two Criminal Justice courses

**Master of Science Criminal Justice—Concentration in Behavior Management**

This is an excellent program for clinicians who wish to learn more about evidenced-based practices in the treatment of children and adults. This program focuses on psychological treatment of offenders and prevention of offenders. Treatment approaches to children and adults are based on the principles of environmental arrangement, operant and respondent conditioning.

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<td>Ethics and Criminal Justice</td>
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<tr>
<td>CRJ 570</td>
<td>Prof. Writ. for Law Enforcmnt</td>
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**Specialized Area Courses**

Select four from the following:

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>CRJ 618</td>
<td>Therapeutic Strat Crim Justice</td>
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<tr>
<td>CRJ 617</td>
<td>Mental Health and the Law</td>
<td></td>
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<tr>
<td>CRJ 615</td>
<td>Youth Cultures and Deviance</td>
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<tr>
<td>CRJ 616</td>
<td>Juvenile Justice &amp; Delinquency</td>
<td></td>
</tr>
<tr>
<td>CRJ 620</td>
<td>Evid Bas Prac Subt Ab/Beh Hlth</td>
<td></td>
</tr>
<tr>
<td>CRJ 619</td>
<td>Fnds of Addiction:CRJ Profess</td>
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</table>
Master of Science Criminal Justice-Concentration in Behavior Analysis

This program prepares graduates to become skilled behavior management practitioners. Behavior Analysis is recognized as a “best practice” in the field of autism, behavioral health, addictions, business and corrections. Graduates are prepared to work in a variety of settings including education, autism, criminal justice, public policy, addictions, mental health, business and other fields where the understanding and management of human behavior is desired. A minimum of one year of applied behavior analysis work experience is expected for candidates applying to and enrolled in this concentration.

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<th>Code</th>
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<tbody>
<tr>
<td></td>
<td>six (6) courses required</td>
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<tr>
<td>ABA/CRJ 622</td>
<td>Basic Prin. of Behav Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ABA/CRJ 623</td>
<td>Applied Behavior Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ABA/CRJ 624</td>
<td>Behavior Analysis: Consult</td>
<td>3</td>
</tr>
<tr>
<td>ABA/CRJ 625</td>
<td>Behavioral Development</td>
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<td>ABA 626</td>
<td>Clinical Behavior Analysis</td>
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<tr>
<td>ABA/CRJ 657</td>
<td>Ethics in Behavior Analysis</td>
<td>3</td>
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</tbody>
</table>

The Behavior Analyst Certification Board (BACB) has approved courses CRJ 622 through CRJ 626 and CRJ 657 as meeting the coursework requirement for taking the Board Certified Behavior Analyst (BCBA) Examination. Applicants need to complete an experiential component to qualify.

Internship and Practicum Requirements
Students are not required to complete an internship or practicum for the awarding of a degree or post master’s certificate but for those who wish to pursue licensure or BACB Certification, skill experience/internship is required.

Behavior Analysis Certification vs. Behavior Specialist Licensure Certification
National certification is offered by the Behavior Analyst Certification Board (BACB). The BACB is responsible for certifying training programs and administering the certification examination. Saint Joseph’s University’s Behavior Analysis programs are approved by the BACB as meeting the coursework and practicum requirements for eligibility to take the certification examination. For more information, please visit www.bacb.com (http://www.bacb.com)

Licensure
The Commonwealth of Pennsylvania has instituted a Behavior Specialist License for professionals who work with children diagnosed with Autism Spectrum Disorder and who seek compensation for their services via insurance and medical assistance. The Saint Joseph’s University Behavior Analysis program can verify content hours toward this license. The amount of content hours awarded will vary by student depending upon the coursework completed by the student.

Post-Master’s Certificate in Behavior Analysis
Students who earned a Master’s degree in criminal justice or a related discipline may update/expand their knowledge or expertise through this certificate program. The certificate requires successful completion of eighteen specific Behavior Analysis credits (six courses) all of which have been approved by the Behavior Analyst Certification Board (BACB) as meeting the coursework requirement for taking the Board Certified Behavior Analyst (BCBA) Examination. Applicants need to complete an experiential component to qualify. Students who complete the Post-Master’s Certificate program may apply these credit hours towards an M.S. degree. Students must submit an updated application and meet all MS degree application requirements:

- Submit an online graduate application www.sju.edu/gradapplynow.
- Complete six courses. Must be approved by the Program Director.

Criminal Justice Minor

Criminal Justice Learning Goals and Objectives

Goal 1: Criminal Justice majors will demonstrate comprehension of the discipline of sociology and its role in contributing to our understanding of social reality.

Objective 1.1: Students can apply the sociological imagination, sociological principles, and concepts to her/his own life.

Objective 1.2: Students can compare and contrast basic theoretical orientations.

Goal 2: Criminal Justice majors will develop knowledge of sociological research methods.

Objective 2.1: Students can design a research study in an area of choice and explain why various methodological decisions were made.

Objective 2.2: Students can run basic statistical analyses to answer research questions.

Objective 2.3: Students can identify and understand how to apply different methodologies (i.e., quantitative vs. qualitative) to the same subject and determine the benefits of each.

Goal 3: Criminal Justice majors will understand how to communicate within their discipline.

Objective 3.1: Students can engage in social scientific technical writing that accurately conveys data findings.

Objective 3.2: Students can orally present research or course material clearly and concisely.

Goal 4: Criminal Justice majors will incorporate the values from the discipline.

Objective 4.1: Students can assess the impact of the negative effects of social inequality.

Objective 4.2: Students can appraise the utility of the sociological perspective as one of several perspectives on social reality.

Goal 5: Criminal Justice majors will understand the operation of culture and social structure.
Objective 5.1: Students can describe the significance of variations by race, class, gender, sexual orientation, and age, and thus critically assess generalizations or stereotypes for inaccuracy.

Objective 5.2: Students will identify examples of specific policy implications using reasoning about the effects of social structuration.

Goal 6: Criminal Justice majors will be socialized for professional careers and/or further studies.

Objective 6.1: Students can identify a social problem, design ways to address it, and outline feasible steps to accomplish their task.

The minor in criminal justice requires completion of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following:

- SOC 206 Theories of Crime
- SOC 225 Intro to American CJ
- SOC 312 Social Research Methods I
- SOC 313 Data Analysis

Select one of the following:

- SOC 207 Juvenile Justice
- SOC 219 Social Deviance
- SOC 264 Crim Courts & Crim Procedures

Select any additional 200 level approved criminal justice course
ECN 101 Introductory Economics Micro (3 credits)

By analyzing the behavior of buyers and sellers in product and factor markets, this course explains how a market economy determines how scarce resources are allocated to the production and distribution of various goods and services. Supply-and-demand models are used to explain the determination of the prices of products and of factor inputs, and the consequences of government controls and of different types of market structures on prices, wages, and economic efficiency are analyzed.

Attributes: GEP Social Science, International Relations Course, Undergraduate

ECN 102 Introductory Economics Macro (3 credits)

Theoretical models of the economy as a whole, show what determines the level of national output, employment, and prices, and how these might be stabilized by the proper fiscal and monetary policies. The course also looks at the mechanism by which our money supply changes, and considers the benefits and problems associated with international trade. Topics covered include the measurement of GDP, inflation and unemployment; Keynesian and Classical theories of output and price determination; the Federal Reserve System; the federal budget and the national debt; and the balance of payments. ECN 101 not prerequisite for ECN 102 but recommended.

Attributes: GEP Social Science, International Relations Course, Undergraduate

ECN 103 Intermediate Microeconomics (3 credits)

This course presents an analysis of the behavior of households as buyers of output and suppliers of inputs, an analysis of firms as suppliers of output and buyers of inputs, and a study of their interaction in markets that determines the prices and quantities of outputs and inputs. Applications of analytical tools are demonstrated. Prerequisite: ECN 101.

Attributes: Undergraduate

ECN 104 Intermediate Macroeconomics (3 credits)

This course examines a complete model of the economy to show the forces that determine the rate of unemployment, the rate of inflation, the rate of growth, and the international financial position of an economy. This model is used to show the logic of, and the limitations of, monetary, fiscal, and other stabilization policies. Prerequisite: ECN 102.

Attributes: Undergraduate

ECN 105 International Economics (3 credits)

This course investigates international macroeconomic theory and its application to current events and policy issues, including the study of the principles and practices of the balance of payments, exchange rates, and international money markets for achieving both domestic and international policy objectives. Coverage includes the description and history of financial crises, currency policy, the development of international financial markets and the relevant national and international institutions. Prerequisite: ECN 102; ECN 101 is recommended. Note: counts towards the quantitative track.

Attributes: ECN 102

ECN 301 Microeconomic Theory (3 credits)

This course presents an analysis of the behavior of households as buyers of output and suppliers of inputs, an analysis of firms as suppliers of output and buyers of inputs, and a study of their interaction in markets that determines the prices and quantities of outputs and inputs. Applications of analytical tools are demonstrated. Prerequisite: ECN 101.

Attributes: Undergraduate

ECN 302 Macroeconomic Theory (3 credits)

This course examines a complete model of the economy to show the forces that determine the rate of unemployment, the rate of inflation, the rate of growth, and the international financial position of an economy. This model is used to show the logic of, and the limitations of, monetary, fiscal, and other stabilization policies. Prerequisite: ECN 102.

Attributes: Undergraduate

ECN 311 Economic Statistics (3 credits)

This course investigates a primary component in the study of international economics: the causes and effects of international trade and barriers to trade. The class begins with an overview of world trade patterns and then focuses on classical and modern trade theory, exploring the Ricardoan and Heckscher-Ohlin models, as well as non-comparative advantage based models that incorporate economies of scale and monopolistic competition. The second part of the class focuses on trade policy, starting with a theoretical analysis of tariffs, and then investigating the debate over free trade as it pertains to both developing and advanced economies. The class also looks at the economic institutions involved in the management of global trade, such as the World Trade Organization. Prerequisite: ECN 101.

Attributes: ECN 101 or ECN 102

ECN 321 International Trade (3 credits)

This course investigates international macroeconomic theory and its application to current events and policy issues, including the study of the principles and practices of the balance of payments, exchange rates, and international money markets for achieving both domestic and international policy objectives. Coverage includes the description and history of financial crises, currency policy, the development of international financial markets and the relevant national and international institutions. Prerequisite: ECN 102; ECN 101 is recommended. Note: counts towards the quantitative track.

Attributes: ECN 102

ECN 322 International Macroeconomics (3 credits)

This course investigates international macroeconomic theory and its application to current events and policy issues, including the study of the principles and practices of the balance of payments, exchange rates, and international money markets for achieving both domestic and international policy objectives. Coverage includes the description and history of financial crises, currency policy, the development of international financial markets and the relevant national and international institutions. Prerequisite: ECN 102; ECN 101 is recommended. Note: counts towards the quantitative track.

Attributes: ECN 102
ECN 330 Economics of Labor (3 credits)
This course concentrates on the analysis of the major contemporary issues concerning labor relations and labor unions; in particular: unemployment, wage-price relations, the settlement of disputes, minimum-wage legislation, wage differentials and discrimination, and competition from imports. Discussion is not confined to the purely economic dimensions of these topics. The course includes descriptive material on the development and present structure of the labor union movement in this country and on the more interesting and significant features of labor-management relations in selected foreign countries. Prerequisite: ECN 101. Note: Can be counted towards quantitative track with the completion of additional coursework and permission of the instructor.
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 340 Government Finance (3 credits)
This course examines the nature of government spending, the decision-making process, and trends. It describes and evaluates several kinds of taxation and proposals for reform. It utilizes microeconomics to investigate tax incidence and the welfare effects of taxation. Prerequisite: ECN 101.
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 350 Monetary Economics (3 credits)
The course analyzes the nature and functions of money to show its influence on GNP, the price level, unemployment, and the allocation of resources. Commercial banking and other financial institutions will be studied, as well as central banking. Prerequisite: ECN 102. Note: counts towards the quantitative track.
Prerequisites: ECN 102
Attributes: Undergraduate

ECN 360 Industrial Organization (3 credits)
Applications of microeconomic theories to public policies affecting structure and performance of markets and behavior of firms. Antitrust and other aspects of government regulation will be covered. Prerequisite: ECN 101. 
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 365 Game Theory (3 credits)
The goal of the course is to introduce students to the field of Game Theory within the Microeconomics discipline. Standard concepts to be learned and discussed are the roles of strategy, decision making, solution concepts for games, the nature of Nash equilibria, strategic behavior, cooperation, the role of incentives, probabilities and the nature of Bayesian equilibria, auctions in theory and practice, matching theories, conflict and theories of appropriation versus production. The course will put a greater emphasis on the role of economic reasoning and the major results discovered within the field as opposed to understanding the complex mathematical proofs. In addition, students will learn to approach the study of economics from an analytic perspective as opposed to the standard quantitative approaches of undergraduate economic studies. Prerequisite: ECN 101. Note: counts towards the quantitative track
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 370 Economic Development (3 credits)
This course focuses on the economic growth and development of the Third World; conditions that are conducive to growth are explored and the transformation that results from growth is studied. Also addressed is the development impact on trade, poverty, industrialization, etc. Latin American Studies. Latin American Studies.
Prerequisites: ECN 101 or ECN 102
Attributes: Globalization Course (New GEP), International Relations Course, Latin American Studies Course, Undergraduate

ECN 375 Environmental Economics (3 credits)
Introduces the environmental concerns facing optimal allocation of resources and factors of environmental policy. Topics include environmental policy analysis, externalities, public goods, criteria for evaluating environmental policies, the role of economic analysis in environmental policy decisions, discussion of pollution control planning, and economic analysis of environmental policy in United States and International Environmental issues. Prerequisites: ECN101 or equivalent
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 380 Managerial Economics (3 credits)
ECN 390 The Economics of Healthcare (3 credits)
This course examines major policy issues associated with the delivery of health care in the United States from an economic perspective. Particular emphasis will be placed on the challenges and trade-offs involved in containing health care costs, maintaining quality, and ensuring access. This course will provide students with a better understanding of the major health policy issues. Prerequisite: ECN 101.
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 410 Econometrics (3 credits)
Basic principles of econometrics beginning with the classical linear regression model and the method of least squares. Special problems arising from the violation of classical assumptions, and statistical procedures for dealing with them, are covered. Identification and estimation problems are also studied, as well as forecasting with single-equation regression and simultaneous system of equations. Modern time-series models are evaluated, with numerous forecasting illustrations from economics and business. Prerequisite: ECN 101, ECN 102, Introductory Statistics (MAT 118) or equivalent. Note: Required for quantitative track.
Prerequisites: ECN 101 and ECN 102 and (MAT 118 or MAT 128 or DSS 210)
Attributes: Undergraduate

ECN 415 Economic Forecasting (3 credits)
This course provides an introduction to forecasting techniques used frequently in economics and business. Students will review basic statistical concepts and then explore data patterns that are commonly found in a variety of economic settings. Central approaches to analyzing time-series data are covered, such as moving averages, smoothing methods, single and multivariate regression, Box-Jenkins (ARIMA) methodology, and others. Prerequisite: ECN 101, ECN 102, Introductory statistics (MAT 118) or equivalent (ECN 410 or DSS 220 recommended). Note: counts towards the quantitative track.
ECN 420 Sports Economics (3 credits)

ECN 430 Modern Economic Systems (3 credits)
This course examines the nature of economic systems such as the market economy, the centrally planned economy and market socialism. It includes an assessment of how these systems have changed over time and compares the performance of each with respect to various economic indicators (such as GNP, employment, health care, etc.).

Prerequisites: ECN 101
Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

ECN 435 History of Economic Thought (3 credits)
The origin and development of the dominant ideas of modern economics investigated by study of a succession of major economists who shared in its making; the place of Economics in the history of ideas.

Prerequisites: ECN 101 or ECN 102
Attributes: European Studies Course, Undergraduate

ECN 440 U.S. Economic History (3 credits)
Economic principles are used in an informal manner to assist in the interpretation of the history of U.S. economic development from colonial times to the recent past. Sociocultural factors are also noted as they relate to U.S. economic history.

Attributes: International Relations Course, Undergraduate

ECN 445 Eco. of Multinatnl Enterprises (3 credits)
This course will examine theories of foreign direct investment, initial investment strategies and organizational structure of multinational companies and their impact on the economies of both the host and home countries. It will also include the study of U.S. and host country policies toward multinationals and the business problems of firms operating in a foreign environment. Prerequisite: ECN 101

Prerequisites: ECN 101
Attributes: International Relations Course, Undergraduate

ECN 450 Nationalism and Economy (3 credits)

ECN 455 The Economics of Transition (3 credits)

ECN 460 African Economies (3 credits)
Africa is a continent of contrasts. The poorest country in the world is in Africa and the world’s highest rate of economic growth is also found in an African country. In this course, we will assess the economic performance of contemporary African countries and then we will analyze the reasons for their differing growth patterns. In the process, we will study what is produced, how it is produced and for whom it is produced. Satisfies Social Science GER.

Prerequisites: ECN 101 or ECN 102
Attributes: Africana Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

ECN 465 Consumer Economics (3 credits)

ECN 470 Ethical Values & the Marketplace (3 credits)

ECN 475 Asian Economies (3 credits)
This course will encompass a theoretical and empirical approach to the study of the economies of Asia. First, the nature of the various economies will be assessed by the observation of some indicators of economic and social development. Then, theories will be explored that attempt to explain the differences in the economies and their growth patterns. This theoretical section will entail the study of international and indigenous characteristics of Asian countries. The aim of the course is to convey to students the changes in the world distribution of economic power and in the international division of labor as it involves the Asian countries, and the implications of these trends. Prerequisite: ECN 101

Prerequisites: ECN 101 or ECN 102
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

ECN 477 Chinese Economics (3 credits)
As the world becomes more integrated, countries become more interdependent. Economic events and policy changes in one country affect many other countries. The emergence of China, especially in international markets, is clearly one of the most important forces currently reshaping the world economy. Understanding China’s history, culture, economics, politics and society is imperative to help students participate in the ongoing dialogue among policymakers, economists, business firms, and international agencies. This course will cover both the historical and current aspects of the Chinese economy with a focus on the historical development of its socio-economic institutions, on its varying economic policies and strategies. In addition, this course would provide the student with opportunities to explore and apply economic theories and models to understanding the diverse processes of economic development in China.

Prerequisites: ECN 101
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

ECN 480 Eco. of Poverty & Income Dist (3 credits)
In this course, we study several facets of income distribution and inequality in the United States through the lens of economic theory. Initially, we discuss the basics of income and wealth distribution (definitions and measurements), and study the trends and patterns of income, wealth and well-being, followed by a similar discussion with respect to poverty. The second portion of the course focuses on causes and explanations of poverty and income inequality. This section relies heavily on the foundation of labor economic theory with discussion of labor force participation, unemployment and human capital. Finally, we focus on policies that may cause or alleviate poverty and income inequality – both current and proposed policy – followed with a discussion of societal goals. If time permits, we also cover labor market discrimination and wage gaps, specifically with respect to race/ethnicity. This course is an upper-division Economics elective that also meets the Faith-Justice course studies criteria. Pre-requisite: ECN 101 (Principles of Microeconomics) or equivalent.

Attributes: Undergraduate
ECN 482 Latin American Economies (3 credits)
ECN 485 Econ of Migration & Immigratin (3 credits)
In this course, population movements are analyzed from the economics perspective. With respect to voluntary migration, we study both the macro issues (namely, the economic consequences of the loss and gain of population, the effect of globalization on labor markets) as well as the micro issues (such as who migrates and why). We study the different kinds of migrations that occur and the conditions that cause them to predominate. In the study of involuntary migration, we focus on the economic pressures used to force relocation. We also study the options open to displaced peoples, including encampments, repatriation, integration and third country asylum. Finally, we ask what happens to the economies of host countries when they are inundated with foreign migrants. Given that at this time, the majority of the annual migrants go to just four host countries: United States, Germany, Canada, and Australia, it is imperative to understand the effect of migration on their economies and the concerns that underlie immigration policy. Satisfies Social Science GER.
Prerequisites: ECN 101 or ECN 102
Attributes: International Relations Course, Undergraduate

ECN 487 Research Methods (3 credits)
This course is an upper level economics elective that provides students with an introduction into research methods. We will discuss current research in applied microeconomics and apply the methods learned to create original research. Throughout the course we will investigate multiple facets of research including literature review, data analysis, and analytic writing. Throughout the course, students will be given verbal and written feedback about their analysis and writing. Throughout this course, there will be opportunities for reading about, writing about, and discussing current policies, problems, and events that are relevant to writing a comprehensive research paper. In order to gain the most from these discussions, students are required to take on an active role in these discussions. Prerequisites: ECN 101, ECN 410 or equivalents
Prerequisites: ECN 101 and ECN 410 and ENG 101
Attributes: Undergraduate, Writing Intensive Course- GEP

ECN 490 Seminar in Economics (3 credits)
The process of developing and executing a research project according to the standards of modern economic science is the subject of this seminar. Attention is also given to the use of the computer as a research tool.
Attributes: Undergraduate

ECN 491 Economics Internship (3 credits)
This course combines work experience with academic study. Students work in unpaid internships for the duration of the semester (some 10 hours per week) with approved employers in the private and public sectors (or non-governmental and non-profit organizations) in the Philadelphia area. Their work experience is complemented with relevant required readings. In addition, students must keep a journal, write a final report and meet regularly with their adviser. A successful academic internship is a three-way partnership between the student, the employer, and the faculty adviser.

ECN 493 Independent Research (3 credits)
Students will study a topic in economics with a faculty mentor. Prerequisite: Permission of the Instructor.
Attributes: Undergraduate

ECN 494 Independent Research (3 credits)
Taken in senior year under the direction of a thesis mentor.
Attributes: Undergraduate

ECN 2301. Economics of Sports (3 credits)

### Economics Major

#### Learning Goals and Objectives

**Goal 1:** Students will understand how all issues in economics involve making choices in the context of scarcity.

**Objective 1.1:** Students will be able to explain the concept of opportunity cost.

**Objective 1.2:** Students will understand the concept that decision-making takes place at the margin and explain how this affects the behavior of consumers and firms.

**Goal 2:** Students will understand how economic agents interact.

**Objective 2.1:** Students will be able to explain the supply and demand model and how it is applied to input and output markets as well as the macro economy.

**Goal 3:** Students will be able to identify important economic variables, understand how they are measured, and explain what they tell us.

**Objective 3.1:** Students will be able to define and know the approximate value of some key macroeconomic variables in the US, including GDP growth, inflation, unemployment, and interest rates. Furthermore, students will know how these variables are measured, how they affect us and understand the difference between “nominal” and “real” values.

**Goal 4:** Students will understand how public policy impacts the economy.

**Objective 4.1:** Students will be able to explain how fiscal and monetary policy work.

**Objective 4.2:** Students will be able to explain how markets sometimes “fail” and how public policy can address these problems.

### Requirements for the Economics Major

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

#### GEP University Distribution

#### General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

#### General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

2. Natural Science: A natural science course with a laboratory, or two courses without a laboratory
3. General Education Overlays
See this page about Overlays (p. 27).

4. Students can take any Math "Beauty" course to fulfill the requirement of the GEP. However, we recommend:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 131</td>
<td>Linear Methods</td>
<td>3</td>
</tr>
<tr>
<td>MAT 132</td>
<td>Math of Games &amp; Politics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 134</td>
<td>Math of Uncertainty: Rules/Prob</td>
<td>3</td>
</tr>
<tr>
<td>MAT 155</td>
<td>Fundamentals of Calculus (Students who earn a 4 or 5 on the AB or BC Calculus)</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I (Students who earn a 4 or 5 on the AB or BC Calculus AP test have fulfilled the Math Beauty requirement)</td>
<td>4</td>
</tr>
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</table>

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

Economics majors must take one course from each of the following three categories

- **Any Statistics Course, including:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 118</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 123</td>
<td>Differential Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MAT 128</td>
<td>Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 322</td>
<td>Mathematical Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

- **Note:** For students who have already taken Calculus I or who earned credit for AP math, no additional math courses are required for the economics major. For these students, the second ILC course may be satisfied with one of the following:

  - Any additional math course (this is in addition to the Beauty requirement and the statistics requirement). For students considering graduate school in economics, we highly recommend additional courses in Calculus or linear algebra.

Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 301</td>
<td>Microeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECN 302</td>
<td>Macroeconomic Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

Economics Majors: Select one of the following tracks:

- **Economics Track**
  - Any six additional ECN 300/400-level economics courses

- **Economics Track with Econometrics**
  - ECN 410 Econometrics
  - Any four additional ECN 300/400-level economics courses

- **Quantitative Economics Track**
  - ECN 410 Econometrics ³
  - Three quantitative economics courses ³

  ³ Three additional ECN 300/400-level economics courses approved for the quantitative track. This currently includes Game Theory (ECN 365), Economic Forecasting, (ECN 415) Monetary Economics (ECN 350), and International Macroeconomics (ECN 322). Student may choose to take Labor Economics (ECN 330) as a quantitative-track course, but this will involve additional coursework.

Requirements for Departmental Honors
Requirements for departmental honors are found under Honors Programs and in the brochure published annually by the Director of Honors programs.

Advisory Option—Teacher Certification in Social Studies
Economics majors may receive teacher certification in social studies by using their electives to take courses in education, including supervised teaching, as specified under Education. Candidates for certification should consult Dr. Keefe, coordinator, as early as possible.

Economics Minor

Learning Goals and Objectives

**Goal 1:** Students will understand how all issues in economics involve making choices in the context of scarcity.

**Objective 1.1:** Students will be able to explain the concept of opportunity cost.

**Objective 1.2:** Students will understand the concept that decision-making takes place at the margin and explain how this affects the behavior of consumers and firms.

**Goal 2:** Students will understand how economic agents interact.

**Objective 2.1:** Students will be able to explain the supply and demand model and how it is applied to input and output markets as well as the macro economy.

**Goal 3:** Students will be able to identify important economic variables, understand how they are measured, and explain what they tell us.
Objective 3.1: Students will be able to define and know the approximate value of some key macroeconomic variables in the US, including GDP growth, inflation, unemployment, and interest rates. Furthermore, students will know how these variables are measured, how they affect us and understand the difference between “nominal” and “real” values.

Goal 4: Students will understand how public policy impacts the economy.

Objective 4.1: Students will be able to explain how fiscal and monetary policy work.

Objective 4.2: Students will be able to explain how markets sometimes “fail” and how public policy can address these problems.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>6</td>
</tr>
<tr>
<td>&amp; ECN 102</td>
<td>and Introductory Economics Macro</td>
<td></td>
</tr>
</tbody>
</table>

Select four economics courses numbered 300 level or higher
EDUCATION UNIT

Education Mission
Saint Joseph’s University Education Unit comprised of the Departments of Teacher Education, Special Education, and Educational Leadership, is dedicated to preparing exemplary teachers, educational leaders, and educational researchers. The Unit seeks to promote a vibrant intellectual community, recognized for preparing reflective teacher educators and leaders committed to social justice and democratic principles; acknowledged for quality undergraduate and graduate teaching, research, and scholarly contributions that enhance educational theory and practice in teacher education, educational leadership, special education, and related disciplines; known for leadership and other educational opportunities; and established as contributing outstanding professional service and outreach.

Teacher Education (Program Overview)
The undergraduate Teacher Education programs are built upon a strong liberal arts curriculum provided through the General Education Program (GEP) at Saint Joseph’s University. This enables students to integrate their understanding of interdisciplinary content with an understanding of child and adolescent learning.

Students balance theory and practice in teaching related courses. Most education courses provide students with the opportunity to investigate theory and research while participating in field experiences in local schools.

Undergraduate students are admitted to Saint Joseph’s University as Elementary, Middle or Secondary Education majors. Secondary education majors are considered double majors as they must also major in a content area (Art, English, Mathematics, Science, Social Studies or Modern Language). Students are also admitted as double majors in Elementary Education and Special Education. There is a separate admissions process to be admitted to a teacher preparation program which leads to a professional teaching certificate in Pennsylvania.

Under the Pennsylvania School Code and Saint Joseph’s University Policy, students may formally apply to a Teacher Preparation Program after they have completed at least 48 college credits with an acceptable GPA and they must meet the basic skills testing requirements. Students must be admitted to a Teacher Preparation Program in order to take any Professional Core education courses. Acceptable GPA is defined as a GPA that is making forward progress towards a final cumulative GPA required for state certification.

Prior to admission to a Teacher Preparation Program, education majors may only take foundational pre-professional education courses.

List of Pre-Professional Education Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 121</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>EDU 150</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
</tr>
<tr>
<td>or EDU 160</td>
<td>Schools in Society</td>
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<tr>
<td>EDU 151</td>
<td>Develop, Cognition, &amp; Learning</td>
<td>3</td>
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<tr>
<td>EDU 155</td>
<td>Foundations of Early Childhood</td>
<td>3</td>
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<tr>
<td>EDU 157</td>
<td>Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>EDU 231</td>
<td>Assessment and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>EDU 232</td>
<td>Reading Literature I</td>
<td>3</td>
</tr>
</tbody>
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List of Approved PA Instructional I Teacher Preparation Programs
- Art Education PK-12
- Citizenship Education 7-12
- English 7-12
- Foreign Language PK-12 (Latin, French, Spanish, German or Italian)
- Grades 4-8 (Concentration in English/Language Arts, Mathematics, Science and/or Social Studies)
- Grades PK-4
- Mathematics 7-12
- Science-Biology 7-12
- Science-Chemistry 7-12
- Science-General Science 7-12
- Science-Physics 7-12
- Social Studies 7-12
- Special Education PK-8 or 7-12

Each of the courses in the different programs explores historical and current theories as well as complex issues relevant to the varied areas of study in education. Courses in professional pedagogy focus on elementary or secondary students in the regular classroom, as well as on students with special education needs. Issues of inclusion and least restrictive environment, the effect of socioeconomic background, the challenge for English language learners, and the impact of gender and race on the learning of students are explored in a variety of course offerings.

Field experiences strike a balance between urban and suburban schools, with their differing situations, needs, problems, and opportunities. The capstone course, Student Teaching, provides students with a semester-long opportunity to relate theory to practice with the support of a cooperating teacher, a University supervisor, and a faculty member who conducts the weekly seminar.

Education Programs
There are FOUR undergraduate Education Majors
1. Elementary Education: PK-4*
2. Middle Years Education: 4-8
3. Secondary Education: 7-12 (includes Foreign Language PK-12) and Art Education PK-12
4. Special Education PK-8 (Information listed below in the Special Education Department section).

*Note: Elementary PK-4 majors may add on Grades 5-6 via testing only. Contact your advisor for more information.

Teacher Certification Program
All inquiries regarding certification should be directed to:
Office of Certification, Accreditation and Partnerships
Director: Joseph K. Cifelli, Ed.D.
Admission Requirements for the SJU Teacher Certification Program

Applying to the SJU Teacher Certification Program

All Education and/or Special Education majors must apply to the SJU Teacher Certification Program to be eligible for PA Teacher Certification upon completion of their degree. The application process and admission requirements are explained below.

The application process for admission into the SJU Teacher Certification Program begins in October of the candidate’s sophomore year when meeting with his/her advisor about registration. The advisor will provide the student information regarding the application process. The candidate must complete the application and requirements for admission by January 31st of his/her sophomore year. Students will not receive their registration PIN for the following semester if this application has not been completed and submitted to their advisor.

Completed applications for admission into the SJU Teacher Certification Program will be reviewed by the Education Transition committee and submitted to the Teacher Education and Special Education Department Chairs, as appropriate. Students will be notified in regards to the acceptance decision.

Admission Requirements for the SJU Teacher Certification Program

- Must have completed a minimum of 45 credits by end of Fall semester sophomore year
- Must have completed ENG 101 and ENG 102
- Must have completed 6 mathematics credits
- Must have B- average (2.7) or better in all major courses taken
- Must have P in accompanying field experiences to all Education/Special Education courses taken
- Must have a minimum cumulative GPA of at least 3.0
- Must meet Basic Skills Testing Requirements i.e. Reading, Writing and Mathematics in any of the approved assessments. Candidates may combine results from the following different assessments:
  - Qualifying PAPA scores
  - Qualifying SAT scores
  - Qualifying ACT scores
  - Qualifying ETS Academic Core scores

Professional Testing Requirements

Current information on testing requirements in Pennsylvania may be located at:

http://www.education.pa.gov/Teachers%20-%20Administrators/Certifications/Pages/Certification-Testing.aspx#tab-1

NOTE: Candidates must request that all test scores are sent directly from the testing company to the PA Department of Education. This is free at the time of registration. Fees will be charged to have score reports sent after a test has been taken. PDE will only accept scores that have been received directly from the testing company. Neither the candidate nor Saint Joseph’s University may upload scores into a certification application. This does not apply to SAT and ACT scores. SJU will submit SAT and ACT scores to PDE after candidates present evidence of their scores to the Office of Certification and Compliance (Merion Hall Suite 220).

Special Education - Department Overview

Saint Joseph’s University Department of Special Education centers its philosophical and practical mission on attaining social justice and democracy through the education of reflective, activist-oriented teacher candidates and practicing teachers. Faculty members are committed to a disposition of academic rigor and professional integrity across our undergraduate, post-baccalaureate, and graduate programs. This commitment is informed by the ideals of fairness, equity, and individuality. We strive to challenge routine societal structures and mindsets in order to promote vibrant learning environments among faculty and students that focus on character education, reflective inquiry-based teaching, and cultural/individual fairness and diversity. Central to our mission, is the delivery of a quality teacher preparation program that encourages future educators to adopt pedagogical practices that recognize the inherent strengths that all children bring to school.

The Special Education Department is focused on helping teachers respect the knowledge traditions of students from non-dominant cultural communities as these students have been historically excluded from educational curricula. Such practices provide a framework that incorporates all aspects of learning, cognitive, linguistic, social-emotional, and cultural variables. This includes recognizing students “funds of knowledge” and the diversity of cultural capital that exists in all homes and communities. Department faculty strive to support future teachers’ adoption of practices that celebrate the unique personality traits, talents and learning differences of individual learners. This will prepare future
teachers to help their students become resilient to unwanted peer pressure and bullying, and who actively challenge these and other negative influences.

Consistent with the mission of Saint Joseph’s University, we strive to create teachers who are broadly educated in the liberal arts and who consistently enhance their knowledge of various content areas to inform instruction. We embrace the goal of interdisciplinary teaching that requires teachers to make visible the connections between content areas. Future teachers must also be prepared for the technologies of the 21st Century. We are committed to providing students with the technological capacity that will help them teach in ways that enhance student knowledge and engagement.

The Department of Special Education is committed to creating teacher researchers who systematically study aspects of learning and teaching within their schools in order to inform their own instructional practice and contribute to the theoretical and practical knowledge base in education. The notion of teacher-as-researcher is central to building relationships between theory and practice. We also strive to create teacher activists who assume leadership positions within their schools and are committed to challenging practices and policies that undermine students’ achievement.

Consistent with The Magis it is our hope that our teacher candidates will strive to continue to grow throughout their experiences in and beyond the classroom and embrace the true meaning of Cura Personalis: To improve oneself in order to better serve others.

Graduate Arts and Sciences

John Vacca, Ph.D., Associate Dean of Education

Degrees and Certificates

Graduate students may elect to pursue a Masters or Doctorate degree in Education only, a professional Instructional I, Administrative I, Supervisory I, Program Specialist Certificate, or Letter of Eligibility (Superintendent) only, or a both degree and one or more certificates. Degrees are governed and conferred by Saint Joseph’s University per the policies and procedures contained in this catalog. Professional Certificates are issued by the Pennsylvania Department of Education and are subject to legislative and regulatory changes. Students are responsible to meet the state requirements in place at the time of their application for a given certificate. Pennsylvania is a member of NASDTEC (National Association of State Directors of Teacher Education and Certification). The NASDTEC Interstate Agreement facilitates the movement of educators among the states and other jurisdictions that are members of NASDTEC and have signed the agreement. As agreements vary from state to state and regulations are subject to change, Saint Joseph’s University cannot guarantee the reciprocity of a given certificate outside of Pennsylvania.

The Education Departments offer Master’s degree programs designed to meet the interests and needs of pre-service and in-service PK-12 educators.

The following programs are available in certification areas approved by the Pennsylvania State Department of Education: secondary school (grades 7-12) areas of General Science, Biology, Chemistry, Physics, Mathematics, Citizenship Education, English, German (PK–12), Italian (PK–12), Latin (PK–12), French (PK–12), and Spanish (PK–12). Initial certification programs are also available in Early Childhood Education (PK-4) and Elementary/Middle (4-8). Initial certification in Special Education as an additional certification is available at the post baccalaureate level for only those students who already hold a teaching certification at either the early childhood, elementary, or secondary levels. The certifications for those applying for Special Education certification are PK-8, 7-12, and Hearing Impaired PK-12.

The Departments also have programs leading to certification in the areas of curriculum supervision and principal certification at the elementary and secondary levels, as well as Instructional Technology Specialist and Superintendent’s Letter of Eligibility. Specialization programs are also available in other areas of professional education. Professional programs lead to certification in the Commonwealth of Pennsylvania, and students interested in out-of-state licensing are encouraged to seek the advice of the Department of Education of the state to which they are applying for certification.

The teacher education, special education, and educational leadership certification programs seek to increase students’ awareness of the function of schools in a contemporary, pluralist society, as well as to develop the concept of teaching as a career of vital service. The programs are intended to develop and refine competencies in prospective teachers so that they will be able to meet the demands of teaching in a variety of school environments, public and private, urban and suburban. Each of the courses in the programs, in its own way, explores historical and current theories, as well as problematic issues relevant to the varied areas of study in education. Each course in professional pedagogy focuses on students in the regular classroom, as well as on students with exceptional educational needs. Issues of the least restrictive environment, the effect of socioeconomic background, and the impact of gender, race, and class on the learning of students are explored in a variety of course offerings. Complementary field experiences/observations are included as part of appropriate courses, which strike a balance between urban and suburban schools, with their differing situations, needs, problems and opportunities.

The Departments also offer certification programs in education that do not lead towards the Master’s degree. Students interested in any of the certification areas listed above, but not interested in a formal advanced degree, should consider the Post-Baccalaureate Certification Program described below. Admission to this program is based on the standards for admission to the Master’s degree programs listed in this Catalog.

Scheduling is tailored to part-time students. Courses are offered in the late afternoon and evening, and selected courses are available during summer sessions. Students are required to speak with their advisors on a continuing basis so that they might plan their sequence of courses with care.

The Education Unit currently offers certification programs that can be completed online (with on-location field experiences):

• Secondary Education (OATCERT),
• Special Education (PK-8, 7-12),
• Education of the Deaf and Hard of Hearing (PK-12), and
• Instructional Technology Specialist.

A Curriculum Center is maintained in Drexel Library for the use of all interested students. Instructional materials representing a wide variety of grade levels and subject areas are available for student use. Microcomputers and appropriate software for courses taught within the Department are available in the Barbelin computer lab and in the Drexel Library. A number of courses in the Instructional Technology Studies
Admission Requirements and Procedures

Applicants should submit or have sent to the Office of Graduate Operations the following:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework. If you are a SJU graduate, the Office of Graduate Operations will obtain your SJU transcripts for you.
- A current resume
- Two letters of recommendation (at least one from a college professor) appraising the candidate’s promise and capacity for graduate study, reflecting, from a professional’s point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level.
- A personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant’s rationale for program choice and professional study.
- $35 application fee – waived if applicant attended an Open House or applicant is an SJU graduate.
- Students applying for supervisory or principal certification should be aware of the specific application requirements for these programs stated in the Educational Leadership Program section.
- Students must have achieved a 3.0 Grade Point Average (GPA) in their undergraduate work for full admission. Candidates with a GPA below 3.0 may be considered for a provisional acceptance.
- First certification applicants must also have taken two English courses and two math courses in their previous coursework in higher education.
- For PK-4 (ECE) certification applicants, a U.S. History course, a general history course, a social science course, and a natural science course are additional requirements.
- K-12, 4-8 and 7-12 teacher candidates must meet all content prerequisites prescribed by their certification area.

Financial aid is available to graduate students in the form of student loans. A limited number of graduate assistantships are also available. Applications for these positions are accepted each spring for the coming academic year. For more information, contact the departmental administrative assistant at 610-660-1583.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters and four courses (12 credits) for the summer term. Working professionals generally do not register for more than two courses (6 credits) for the fall and spring terms, and they may not register for more than two courses (6 credits) for each summer term.

The Director of Graduate Education must approve any exceptions to this policy. Students requesting full time status should submit a letter in writing to the Director of Graduate Education stating that they are working less than 20 hours per week during the semester(s) for which full-time status is being requested.

All certification programs meet the General and Specific Standards of the Bureau of Teacher Preparation and Certification of the Department of Education in the Commonwealth of Pennsylvania. Candidates are required to meet certification standards in force at the time of their application for certification. Those students taking a leave of absence for more than one semester may be required to meet new certification standards should the Pennsylvania Department of Education adopt new standards during the interim.

Criteria for certification are demonstrated by professional behavior in the classroom and in field placements. Students who do not meet the high standards of professionalism established by the Department will not be recommended for certification to the Pennsylvania Department of Education.

The contact information for Graduate Admissions is as follows:

Graduate Operations Office
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131
Telephone: 610.660.1101
Fax: 610.660.1224
http://www.sju.edu/admissions/graduate/

Financial aid is available to graduate students in the form of student loans. A limited number of graduate assistantships are also available. Applications for these positions are accepted each spring for the coming academic year. For more information, contact the departmental administrative assistant at 610-660-1583.

Terms of Acceptance

An applicant is afforded full acceptance when all admission criteria have been met and all required application materials have been submitted.

“Provisional acceptance” is provided if an application is complete, but academic credentials have not been satisfied. In this case an applicant is allowed to register for 9-12 credits. A student who is provisionally accepted must achieve grades of B or higher in their initial 3-4 graduate courses in order to be fully accepted into the master’s program and to continue taking courses. A registration hold is activated if a student’s
admission status is not updated to full admission (via the Registrar’s office) after taking his or her first 9-12 credits (3-4 courses).

Applicants whose application package is incomplete may receive "conditional acceptance," and permitted to register for up to 6 credits in the first semester. Typically, at least an application form and unofficial transcript have been received. A registration hold is activated after the initial semester if the file is not complete and admission status is not updated to full admission (via the Registrar’s office).

Applications that do not meet at least provisional academic requirements are generally not accepted.

Transfer of Courses
Applicants who have taken graduate courses elsewhere may request transfer of not more than six graduate credits in Arts and Sciences programs. Such requests must be filed at the time of application for admission. Only those courses which are judged to meet program requirements and in which a student has received a grade of B or higher will be accepted. In no instance will courses taken more than five years ago be accepted for transfer credit. Continuing Education units are not accepted for transfer credit. However, (American Council on Education) ACE approved courses are eligible for transfer.

Certification Requirements
Students seeking certification in a secondary subject area (7-12) must provide evidence of an undergraduate major in their specialty area or obtain approval from the Director of Graduate Education to complete appropriate additional coursework. Early advising in the program is necessary. Students seeking certification in PK-4, 4-8, 7-12, special education, Hearing Impaired k-12, or reading specialists should discuss their plans of study with an advisor at the time of admission. No student with a cumulative graduate GPA of less than 3.0 upon completion of the program will be certified in any area. In addition, candidates for secondary certification are expected to have a minimum GPA of 3.0 in their subject matter area; those who do not may be required to take additional coursework in the pertinent content area or to complete necessary Praxis II exams prior to student teaching. All students must also have passed all required Praxis tests for their area in order to be certified.

Note: Formerly, first certification graduate students were required to have successfully completed the PPST (basic skills) Praxis tests prior to the application for student teaching. However, Act 24 of 2011 removed the requirement for Basic Skills Tests for fully admitted GRADUATE students. This provision only applies to candidates seeking an Instructional Certificate. There are noted exceptions to this provision.

Several of the programs offered by the Graduate faculty in Education can lead to certification and the Master’s degree. There are selected programs, however, that lead to certification only or to the Master’s Degree without certification. Students are advised to discuss their educational plans before and after the admissions process with the Graduate Education Advisor by calling 610-660-3364 or by email to graduate_education@sju.edu.

All certification programs meet the General and Specific Standards of the Bureau of Teacher Preparation and Certification of the Department of Education in the Commonwealth of Pennsylvania. Candidates are required to meet certification standards in force at the time of their application for certification.

Criteria for certification is demonstrated by professional behavior in the classroom and in field placements. Students who do not meet the high standards of professionalism established by the Department and delineated in the Student Handbook will not be recommended for certification to the Pennsylvania Department of Education.

Field Experiences (Labs)
Field Experiences (FE) accompany most graduate courses; courses with field experiences are designated by a FE co-requisite (e.g.: EDU 550/EDU 550F). If the student is already teaching, these labs may be completed in his or her own school; if not, the Director of Field Experiences will place the student in an appropriate school. Assignments for the labs are given by the instructor of the course they accompany. Students taking the labs in the summer and unable to complete them in a school at that time will be given an "In Progress" grade until they are able to complete them in the following fall semester. The classroom teacher hosting the field experience student must sign off on a record of attendance.

Test/licensure Requirements
The Commonwealth of Pennsylvania requires employees working in schools to obtain both a criminal (Act 34) and child abuse (Act 151) background check, as well as a negative TB test. Students conducting a field experience placement must also have these clearances prior to beginning their field placement. The clearances are good for one calendar year. Students conducting a field experience also need to provide their FBI Criminal History Record Check before entering the schools.

Student Teaching
Students must apply to the Director of Field Experiences nine months prior to actual enrollment in Student Teaching. Students must demonstrate a 3.0 cumulative grade point average to participate in this program. All students will be expected to demonstrate completion of all prerequisite courses and pass all appropriate Praxis tests.

Middle school (4-8) and secondary (7-12) certification candidates must have a 3.0 GPA for all courses related to their content field. Effective June 1, 2015, all Secondary (7-12) certification candidates are required to complete the appropriate Praxis tests PRIOR TO APPLYING for student teaching.

Advising
For inquiries about any graduate education program, prospective students are encouraged to contact the Graduate Director of Teacher Education Director at 610-660-3285 or graduate_education@sju.edu. All students accepted into the program are required to meet with the Graduate Director of Teacher Education before they register for courses to review the student’s transcripts and to determine whether there is a need for additional courses at the undergraduate level.

Department of Teacher Education
Kenneth Rovine, Director, Graduate Teacher Education Programs
Merion Hall 230, 610-660-3285, krovine@sju.edu
Dr. Suniti Sharma, Faculty Advisor, Graduate Teacher Education Programs
Merion Hall 233, 610-660-1273, ssharma@sju.edu

Master of Science in Education with Level I Certification
The M.S. in Education leading to Level I certification is designed for students who have an undergraduate degree in a discipline other
than Education. Candidates’ undergraduate coursework must be in conformity with the guidelines established for Saint Joseph’s certification programs. Students lacking adequate preparation will be required to take prerequisite coursework in appropriate disciplines. The M.S. degree requires 36 credits of coursework (12 courses); this does NOT include the special one-credit field labs associated with specific courses. Requirements for PDE Level 1 certification vary according to the specific certification being earned (see “List of Courses” under each certification area below). Students enrolled in the Teacher Education Program may be certified to teach the following areas and grade levels:

- Early Childhood Education (PK to 4)
- Elementary/Middle (4 to 8)
  - Option 1 Concentrations: (1A) Language Arts, (1B) Mathematics, (1C) Science, (1D) Social Studies
  - Option 2 Concentrations: (2A) Language Arts and Science, (2B) Language Arts and Math, (2C) Science and Math (2D0 Social Studies and Math, (2D0 Social Studies and Science
- Secondary Education (7 to 12)
  - Sciences: General Science, Chemistry, Biology, Physics
  - Mathematics
  - Citizenship Education
  - English
- Foreign Languages (K to 12): French, Latin, German, Spanish, Italian

Important Note: effective August 15, 2015, ACT 168 states that graduate certification candidates may only apply undergraduate education courses to Level 1 certification requirements if they have satisfied the PDE Basic Skills Requirement. For more information, visit http://www.education.pa.gov/Documents/Teachers-Administrators/Certification Preparation Programs/Framework Guidelines and Rubrics/Entry into Certification Programs Guidelines.pdf

**Department of Special Education**

**Virginia G. Johnson, Chair**

**Special Education Department**

Merion Hall 212
610-660-1574

vjohnson@sju.edu

**Dr. Samuel B. Slike**

**Director of Online Graduate Programs**

Merion Hall 217
610-660-3007

sslike@sju.edu

The Special Education Department offers several certification options. Details regarding each Special Education certification can be found online under Majors and Programs.

The Master’s in Education degree program is designed for students who already have an undergraduate degree and a valid Pennsylvania Instructional I certification or are working towards a Pennsylvania Instructional PK-8 or 7-12 certification.

This graduate program provides the student with extensive preparation for working students with special needs in the classroom. The program has a dual focus, the preparation of special education teachers and the development of master teachers remaining in the regular education classroom. The required courses are determined during the initial advising conference. Students are required to complete at least 36 graduate credit hours.

**Teacher Intern Program**

Joe Cifelli, Ph.D.
jcifelli@sju.edu

The Teacher Intern program is a non-degree granting certification program for persons interested in elementary and secondary school certification. Upon admission into the program, successful completion of the required Praxis examinations and completion of any needed courses, students will be eligible for Intern certification (a three-year provisional certificate). Candidates for the Intern certificate must apply through Dr. Joseph Cifelli, Director of Certification.

Saint Joseph’s University does not make intern or graduate field placements for intern candidates.

**Department of Educational Leadership**

A. William Place, Ph.D., Chair

**Department of Educational Leadership**

Merion Hall 281
610-660-2913

aplace@sju.edu

**Department Overview**

The Department of Educational Leadership offers programs at the graduate and post-graduate levels only. The Department of Educational Leadership houses graduate programs and certifications in the following areas:

- Educational Leadership
- Instructional Technology
- Interdisciplinary Doctor of Education Program for Educational Leaders (IDEPEL)

The Educational Leadership Department is committed to developing and educating aspiring and current leaders. The Educational Leadership Department serves local, national and international students, school and organizations through Doctoral programs, Masters of Science programs, Certifications, Graduate Teacher and Administrative Certificates (post-graduate program), Professional Development and other customized programs.

**Admission Requirements and Procedures**

The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate program) certification programs are offered in each of those same fields (Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents).

The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one’s certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership
graduate programs for all advising needs – including academic progress and compliance for certification – on a semester basis.

Students must be formally admitted to the Educational Leadership program for certification eligibility. Five years of teaching experience (minimum three by the time of acceptance in the program) or experience related to the instructional process is preferred. A valid teaching certification or a chief school administrator’s verification of the completion of three years of relevant professional experience in an educational setting related to the instruction process must be included in the application materials. Students not seeking a certification and only seeking a Master’s with a concentration in Educational Leadership do not need a valid teaching certification and/or five years of full-time teaching experience.

Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:

• A completed Saint Joseph’s University graduate application.
• Official sealed transcript(s) of undergraduate/graduate coursework.
  • Grade Point Average (GPA) in undergraduate work.
• Personal statement – a 500 word statement of intention outlining how the applicant’s professional goals fit the stated goals and objectives of the Educational Leadership graduate programs.
• Two letters of recommendations.
• Copy of a valid teaching certificate.
• Five years full-time teaching experience (minimum three by the time of acceptance in the program preferred)
• An informal phone interview with the Graduate Programs Director.
• $35 application fee.

Additional application requirements for the Principal Certification Program include the following portfolio items:

Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator. Both letters must substantiate the candidate’s leadership potential and qualifications to become a school administrator.

Portfolio items:

• Essay concerning how principals shape learning in their schools (500 words)
• Resume that includes evidence of leadership potential (other leadership roles)
• Applicant’s educational philosophy
• A written description of a problem based learning activity

In addition, a Superintendent Letter of Eligibility is offered and all Pennsylvania Department of Education prerequisites must be met for admission.

Application Requirements for the Superintendent Letter of Eligibility Program are as follows:

• A completed Saint Joseph’s University graduate application.
• Master’s degree.
• Official sealed transcript(s) of undergraduate/graduate coursework.
• Grade Point Average (GPA) in graduate work.
• Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator. Both letters must substantiate the applicant’s leadership potential and qualifications to become an assistant/superintendent of schools
• Copy of principal or supervisory certificate.
• Six years of satisfactory professional certificated service of which three of the six years must have been in a certificated supervisory or administrative capacity.

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

Any exceptions to this policy must be approved by the Graduate Programs Director or the academic advisor. Students requesting full time status should submit a letter in writing to the Director of Graduate Education stating that they are working less than 20 hours per week during the semester(s) for which full-time status is being requested.

All certification programs meet the General and Specific Standards of the Bureau of Teacher Preparation and Certification of the Department of Education in the Commonwealth of Pennsylvania. Candidates are required to meet certification standards in force at the time of their application for certification.

Criteria for certification are demonstrated by professional behavior in the classroom and in fieldwork. Students who do not meet the high standards of professionalism established by the Pennsylvania Department of Education risk being dismissed from the fieldwork or the program.

Contact information for Graduate Admissions is as follows:

Graduate Operations Office
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131
Telephone: 610.660.1101
Fax: 610.660.1224
http://www.sju.edu/admissions/graduate/

Domestic students (U.S. Citizens, Permanent Residents, Refugees & Asylees) must complete and submit the Application Form, along with all credentials, application documents, and the required $35 USD application fee directly to the Graduate Operations Office. For applications submitted as a result of attendance at an Open House information session, the application fee is waived.

Applicants for admission must possess a Bachelor’s degree from a regionally accredited institution and must provide evidence of their ability
and preparedness necessary for the satisfactory completion of graduate work. Specific requirements differ among the programs, and students are advised to consult the appropriate program requirements listed in each program section.

Domestic students who have received degrees from outside the U.S. should review our International Admissions section for information on required documentation. All documents submitted in support of an application will become the property of the University and are not returnable.

Terms of Acceptance
An applicant is afforded “full acceptance” when all admission criteria have been met and all required application materials have been submitted, reviewed and approved.

“Provisional acceptance” may be provided if an application is complete, but academic credentials have not been satisfied. In this case an applicant is allowed a trial semester of up to 9 credits. Candidates must receive a grade of B or better during all courses taken during the trial semester.

Applicants whose application package is incomplete may receive "conditional acceptance," and permitted to register for up to 6 credits in the first semester. To be granted "conditional" status, an application must at least include and application form and unofficial transcript.

Applications that do not meet at least provisional academic requirements are generally not accepted.

Transfer of Courses
Applicants who have taken graduate courses elsewhere may request transfer of not more than six graduate credits in Arts and Sciences programs. Such requests must be filed at the time of application for admission. Only those courses which are judged to meet program requirements and in which a student has received a grade of B or better will be accepted. In no instance will courses taken more than five years ago be accepted for transfer credit. Under no conditions will Continuing Education courses be accepted for transfer credit. However, Alliance for Catholic Education (ACE) approved courses are eligible for transfer.

Fieldwork Requirement
Effective Fall 2015, the three two-credits fieldwork courses (EDL 695, EDL 696, EDL 697) current in 2014-2015 were transitioned into two three-credits fieldwork courses (EDL 695 and EDL 696).

Professor: Cathleen G. Spinelli, Ph.D.
Associate: Encarna Rodriguez, Ph.D.; Nina Nilsson, Ph.D.
Visiting: Christine M. Schwarz, Ed.D.

Associate Dean of Education
• John J. Vacca, Ph.D.

Department of Teacher Education
Professor: Althier Lazar, Ph.D.; Frank Bernt, Ph.D.
Associate: Ailing Kong, Ph.D.; Suniti Sharma, Associate Professor
Assistant: Janine M. Firmender, Ph.D.; Kaitlin K. Moran, Ph.D.; Stacy Olitsky, Ph.D.

Department of Special Education
Professor: Cathleen G. Spinelli, Ph.D.; Virginia Goulding Johnson, Ph.D.

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Department of Education Leadership
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Visiting: Delores L. Mason, M.A.

Graduate Program Director--Organizational Development & Leadership
• Tilin

Graduate Program Director--Educational Leadership
• Gaulin

Office of Certification and Compliance
Senior Director
• Joseph Cifelli, Ed.D.

Director of Clinical Experiences
• Renee Langmuir, M.S.

Director of Data Analysis & Assessment
• Kevin Clapano, Ed.D.

Director of Quality Assurance & Improvement
• TBD

Undergraduate Majors
• Elementary Education PK-4 (https://academiccatalog.sju.edu/arts-sciences/education-unit/elementary-education-pk-4)
• Middle Years Education: 4-8 (https://academiccatalog.sju.edu/arts-sciences/education-unit/middle-years-education-4-8)
• Art Education PK-12 (https://academiccatalog.sju.edu/arts-sciences/education-unit/art-education-pk-12)
• Secondary Education 7-12 (https://academiccatalog.sju.edu/arts-sciences/education-unit/secondary-education-7-12)
• Foreign Language Education PK-12 (https://academiccatalog.sju.edu/arts-sciences/education-unit/foreign-language-education-pk-12)
• Special Education: PK-8 (p. 233)
• Five-Year Combined B.S./M.S. in Biology, Chemistry, Physics, General Science, and Mathematics (p. 209)

Undergraduate Minors
• Educational Studies (p. 207)
• Special Education Studies (p. 233)

Graduate
• Master of Science in Education in Early Childhood Education PK-4 (https://academiccatalog.sju.edu/arts-sciences/education-unit/msed-education-early-childhood-education-pk-4)
• Master of Science in Education in Elementary Middle Years Education 4-8 Certification (https://academiccatalog.sju.edu/arts-sciences/
education-unit/mse...-4-8-certification)

- Master of Science in Education in Secondary Education: 7-12 Certification (https://academiccatalog.sju.edu/arts-sciences/education-unit/mse-Secondary-education-7-12-certification)

- Master of Science in Education in Foreign Language K-12 (https://academiccatalog.sju.edu/arts-sciences/education-unit/mse-foreign-language-education-k-12)

- Online Accelerated Teacher Certification (p. 232)

- Master of Science with Reading Specialist Certification (p. 229)

- Special Education: 7-12 Certification (https://academiccatalog.sju.edu/arts-sciences/education-unit/special-education-7-12-certification)

- Special Education: PK-8 Certification (p. 235)

- Autism Spectrum Disorder Specialist Endorsement (p. 204)

- Education of the Deaf and Hard of Hearing Program (with PK-12 Hearing Impaired Certification) (p. 206)

- Master of Science in Special Education without certification (p. 231)

- Five Year M.S. in Special Education - Teacher Scholar Low Incidence (p. 208)

- Five Year M.S. in Special Education - Teacher Scholar High Incidence (p. 207)

- Supervisor of Special Education Certification (p. 237)

- M.S. with Program Specialist Endorsement in English as a Second Language (p. 228)

- Early Childhood Education (PK-4) Graduate Teacher Certification Program (https://academiccatalog.sju.edu/arts-sciences/education-unit/early-childhood-education-pk-4-graduateteacher-certification-program)

- Elementary/Middle Education (4-8) Graduate Teacher Certification Program (https://academiccatalog.sju.edu/arts-sciences/education-unit/elementary-middle-education-4-8-graduate-teacher-certification)

- M.S. in Education with a Concentration in Educational Leadership Without Certification (p. 226)

- M.S. in Education with a Concentration in Educational Leadership With Principal Certification (p. 220)

- M.S. in Education with a Concentration in Educational Leadership with Curriculum Supervisor Certification (p. 217)

- M.S. in Education with a Concentration in Educational Leadership with Principal AND Curriculum Supervisor Certifications (p. 218)

- M.S. in Education with a Concentration in Educational Leadership with Supervisor of Special Education Certification (p. 224)

- M.S. in Education with a Concentration in Educational Leadership with Curriculum Supervisor AND Supervisor of Special Education Certifications (p. 215)

- M.S. in Education with a Concentration in Educational Leadership with Principal, Curriculum Supervisor AND Supervisor of Special Education Certifications (p. 222)

- Graduate Teacher and Administrative Certification – Principal Certification (p. 212)

- Graduate Teacher and Administrative Certification – Curriculum Supervisor Certification (p. 210)

- Graduate Teacher and Administrative Certification – Principal and Curriculum Supervisor Certifications (p. 210)

- Graduate Teacher and Administrative Certification – Principal and Supervisor of Special Education Certification (p. 211)

- Graduate Teacher and Administrative Certification – Curriculum Supervisor and Supervisor of Special Education Certifications (p. 209)

- Graduate Teacher and Administrative Certification – Principal, Curriculum Supervisor and Special Education Supervisor (p. 212)

- Master of Science in Instructional Technology with Instructional Technology Specialist Certification (p. 229)

- Master of Science in Instructional Technology without Certification (p. 230)

- Instructional Technologist Specialist Certification (p. 213)

- Interdisciplinary Doctor of Education Program for Educational Leaders (IDEPEL) (p. 213)

**Adult Undergraduate**

- Early Childhood/Elementary Education Pre-kindergarten-4th grade (p. 204)

**Teacher Education**

**EDU 121 Child Development (3 credits)**

This course examines the physical, intellectual, emotional, and social development of the child from birth through the childhood years (0-12), including the study of how children learn and acquire knowledge. Special attention will be given to leading theories of development and their implications in the early childhood and elementary classrooms as well as critiques of these theories.

**EDU 140 Publ Schls & Soc Eq in Urb Env (3 credits)**

This course explores the controversies that the current education reform has created in urban school districts such as the School District of Philadelphia. Particular attention is given to the debate over school funding and the role that charter schools play in this debate. To understand the complexity of this issue, the course will introduce students to some of the main changes experienced by the School District of Philadelphia in recent times and will address how charter schools came to be regarded as "the" solution for public education in this City. Because this course also aims at providing students with an introduction to the process of research and to familiarize them with the conventions of different ways of writing, students will be required to conduct library-based research and to present their conclusions in different academic formats.

**Restrictions:** Enrollment is limited to PLS/HDC level students.

**Attributes:** Adult Learning Seminar

**EDU 150 Schools in Society-Fr Seminar (3 credits)**

The course studies American education structurally. The origins, evolution, and realities of contemporary public and private schools are examined through critical readings. Visits to elementary classrooms in multicultural settings provide a strong link to the teacher’s world and the course content. Satisfies Freshman Seminar GEP requirement.

**Attributes:** Diversity Course (New GEP), First-Year Seminar, Undergraduate

**EDU 150F FE Schools in Soc (preK-4/4-8) (0 credits)**

The course studies American education structurally. The origins, evolution, and realities of contemporary public and private schools are examined through critical readings. Visits to elementary classrooms in multicultural settings provide a strong link to the teacher’s world and the course content. Satisfies Freshman Seminar GEP requirement.
EDU 151 Develop, Cognition, & Learning (3 credits)
This course provides students with the opportunity to apply theories of human development to teaching practices. Special attention is directed towards intrinsic and extrinsic motivation, social dynamics in the classroom, tests and measurements, and various instruction models. Enrollment in Field Experience is required with this course. Satisfies a Social/Behavioral Science GEP requirement.
Prerequisites: ENG 101
Attributes: Undergraduate, Writing Intensive Course- GEP

EDU 151F FE Devel, Cognition & Learning (0 credits)
This course provides students with the opportunity to apply theories of human development to teaching practices. Special attention is directed towards intrinsic and extrinsic motivation, social dynamics in the classroom, tests and measurements, and various instruction models. Enrollment in Field Experience is required with this course. Satisfies a Social/Behavioral Science GEP requirement.
Attributes: Undergraduate

EDU 152 FE Schools in Soc (preK-4/4-8) (1 credit)
EDU 153 FE Devel, Cognition & Learning (1 credit)
EDU 154 Teach Holocaust through Film (3 credits)
EDU 155 Foundations of Early Childhood (3 credits)
This course is designed as an introduction to the essentials of early childhood education. Topics to be covered include: recognizing the unique roles played by early care and education providers teaching young children; understanding cognitive, social-emotional, adaptive and motor development in childhood; assessing and planning a developmentally appropriate and standards-based curriculum; providing an inclusive learning environment; and communicating effectively with families and caregivers. Special attention will be given to contemporary models of Early Childhood Education in school and other early childhood settings and the unique needs of early learners, including English Language Learners and students with special needs. Prerequisites: EDU 121
Prerequisites: EDU 121
Attributes: Undergraduate

EDU 155F FE Found Early Child (preK-4) (0 credits)
This course is designed as an introduction to the essentials of early childhood education. Topics to be covered include: recognizing the unique roles played by early care and education providers teaching young children; understanding cognitive, social-emotional, adaptive and motor development in childhood; assessing and planning a developmentally appropriate and standards-based curriculum; providing an inclusive learning environment; and communicating effectively with families and caregivers. Special attention will be given to contemporary models of Early Childhood Education in school and other early childhood settings and the unique needs of early learners, including English Language Learners and students with special needs. Prerequisites: EDU 121
Attributes: Undergraduate

EDU 156 FE Found Early Child (preK-4) (1 credit)
EDU 157 Adolescent Development (3 credits)
The course addresses the dynamic complexities of adolescent development, through discussion of classic and emerging theories. The text readings and class assignments make use of research-based, real-world, and cross-cultural examples. The primary aim of the course is to foster the students ability to recognize and apply the connections among developmental domains and of theory and research with application as applied to the ever changing field of human development. The course takes a longer age range approach to adolescence by expanding coverage into the early twenties and giving attention to changes and continuities in development that take place during this period of "emerging adulthood."
Attributes: Undergraduate

EDU 157F FE Adolescent Development (0 credits)
The course addresses the dynamic complexities of adolescent development, through discussion of classic and emerging theories. The text readings and class assignments make use of research-based, real-world, and cross-cultural examples. The primary aim of the course is to foster the students ability to recognize and apply the connections among developmental domains and of theory and research with application as applied to the ever changing field of human development. The course takes a longer age range approach to adolescence by expanding coverage into the early twenties and giving attention to changes and continuities in development that take place during this period of "emerging adulthood."
Attributes: Undergraduate

EDU 158 FE Middle Level Devel. (4-8) (1 credit)
EDU 160 Schools in Society (3 credits)
See description for EDU 150. Appropriate for students who did not take EDU 150 in their freshman year. Equivalent to EDU 150/150F; HOWEVER, does not satisfy the First Year Seminar GEP requirement.
Attributes: Diversity Course (New GEP), Undergraduate

EDU 160F FE Schools in Soc(preK-4/4-8) (0 credits)
See description for EDU 150. Appropriate for students who did not take EDU 150 in their freshman year. Equivalent to EDU 150/150F; HOWEVER, does not satisfy the First Year Seminar GEP requirement.
Attributes: Undergraduate

EDU 161 FE Schools in Soc(preK-4/4-8) (1 credit)
EDU 230 Early Literacy and Numeracy (3 credits)
EDU 231 Assessment and Evaluation (3 credits)
Assessment and Evaluation in Education is designed to provide education majors with an in-depth understanding of the different types of assessment strategies, and how to use multiple assessment data for a wide range of educational decisions. Content coverage will include an overview of assessment models using authentic, diagnostic, dynamic, formative, and summative assessment techniques. In addition, course topic will include an examination of technical qualities of assessment tools, different types of educational decisions, current assessment legislation and regulation, and test modifications/accommodation.
Attributes: Undergraduate
EDU 231F FE: Assessment & Eval PK 4-4-8 (0 credits)
EDU 232 Reading Literature I (3 credits)
This course provides students with the opportunity to investigate the various theoretical models of the reading process. Students investigate the various factors which impact upon successful reading performance. Students begin to investigate the use of literature, specifically fiction, nonfiction, poetry, picture books, and fantasy selections in the development of instructional practices in the primary grades. Included in this course is an investigation of the use of Basals as literature. In addition, students study the use of reading strategies to be used for teaching reading in the content areas. Prerequisite: EDU 150, EDU 151. Prerequisites: EDU 151
Restrictions: Enrollment is limited to students with a major in Elem Special Education, Elementary Education or Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate

EDU 232F FE Reading/Literature I (0 credits)
This course provides students with the opportunity to investigate the various theoretical models of the reading process. Students investigate the various factors which impact upon successful reading performance. Students begin to investigate the use of literature, specifically fiction, nonfiction, poetry, picture books, and fantasy selections in the development of instructional practices in the primary grades. Included in this course is an investigation of the use of Basals as literature. In addition, students study the use of reading strategies to be used for teaching reading in the content areas. Prerequisite: EDU 150, EDU 151. Prerequisites: EDU 151
Restrictions: Enrollment is limited to students with a major in Elem Special Education, Elementary Education or Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate

EDU 235 Art Education in the Schools (3 credits)
EDU 240 Reading Literature II (3 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of multicultural literature and the writing process. Prerequisite: EDU 232 and acceptance into the Teacher Education Program. Prerequisites: EDU 232
Attributes: Undergraduate

EDU 240F FE: Reading Literature II (0 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of multicultural literature and the writing process. Prerequisite: EDU 232 and acceptance into the Teacher Education Program. Attributes: Undergraduate

EDU 241 Social Motor Development (3 credits)
This course examines the role of cognitive and psychomotor influences on young children's social development. Topics studied include: purposes of play and play behavior; motor development and the goals of physical development programs; and behavioral structures that promote prosocial competencies. Special attention will also be directed towards the use of art, music, and movement as central tools to support learning and development. Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate

EDU 242 Tech Enhncd Curr & Instrs PK-8 (3 credits)
This course provides multiple approaches to the critical linked processes of assessment, curriculum development, and instruction of young children. National Association for the Education of Young Children (NAEYC) standards as well as state and federal early learning standards, and guidelines for personnel preparation in early childhood education will be used to structure early learner curriculum and developmentally appropriate programs. Topics of study include: planning and preparation; implementing thematic units and child-centered studies using appropriate curricular materials, scope and sequence; and resources and strategies for student-centered assessments which address academic, cultural and linguistic differences. Prerequisites: EDU 150, EDU 151. Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate

EDU 242F FETech Enhncd Curr&Instrs PK-8 (0 credits)
This course provides multiple approaches to the critical linked processes of assessment, curriculum development, and instruction of young children. National Association for the Education of Young Children (NAEYC) standards as well as state and federal early learning standards, and guidelines for personnel preparation in early childhood education will be used to structure early learner curriculum and developmentally appropriate programs. Topics of study include: planning and preparation; implementing thematic units and child-centered studies using appropriate curricular materials, scope and sequence; and resources and strategies for student-centered assessments which address academic, cultural and linguistic differences. Prerequisites: EDU 150, EDU 151.

EDU 244 Socio-Emotion & Motor Develop (3 credits)
EDU 246 Literacy, Language and Culture (3 credits)
This course introduces education majors to key theories, issues, and practices related to promoting the language and literacy development of culturally and linguistically diverse students (Pre-K - 8), with a special focus on English language learners (ELLs). Candidates will learn how to use the PA Language proficiency standards and PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, videos, library and online. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Diversity Course (New GEP), Undergraduate
EDU 246F FE: Literacy, Language & Culture (0 credits)
This course introduces education majors to key theories, issues, and practices related to promoting the language and literacy development of culturally and linguistically diverse students (Pre-K - 8), with a special focus on English language learners (ELLs). Candidates will learn how to use the PA Language proficiency standards and PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, videos, library and online.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 247 Literacy in the Content Areas (3 credits)
Teaching and using of reading skills in various content fields in middle and secondary schools; problems in reading textbooks, special needs in different curriculum areas, general and specific reading skills, study methods, critical reading, and adjustment to individual differences. Special focus on the use of audiovisual materials in the classroom is a core element of the course. Prerequisites: EDU 150, 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 247F FE: Literacy in Content Areas (0 credits)
Teaching and using of reading skills in various content fields in middle and secondary schools; problems in reading textbooks, special needs in different curriculum areas, general and specific reading skills, study methods, critical reading, and adjustment to individual differences. Special focus on the use of audiovisual materials in the classroom is a core element of the course. Prerequisites: EDU 150, 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 248 Writing in the Upper Grades (3 credits)
EDU 248F FE Writing in the Upper Grades (0 credits)
EDU 251 Trauma: Infancy & Early Child (3 credits)
EDU 252 Trauma Prin Infant & Early Child (3 credits)
EDU 253 Enhance Trauma Prin. Child/Infan (3 credits)
EDU 255 Enhance Languag Infant & Toddler (1 credit)
EDU 264 Love, Talk, Play (3 credits)
EDU 312 Topics in Language Acquisition (3 credits)
EDU 345 Trauma: Infancy & Early Child (3 credits)
EDU 350 Assessment of Young Children (3 credits)
EDU 351 Social Studies Methods ECE (3 credits)
EDU 352 Literacy/ Soc Stud Methods 4-8 (3 credits)
EDU 353 Literacy in the Content Areas (3 credits)
EDU 354 Litrcy & Cult for Diverse Stud (3 credits)
EDU 356 FE Liter/ Soc Stud Methods (4-8) (1 credit)
EDU 357 Edu and Jesuit Missn in Lat Am (3 credits)
This course takes students into the reality of schools in Latin America where poverty, ethnic marginalization and political disenfranchisement define the lives of most communities. The course focuses on the Jesuit ethic in Latin America and highlights the tradition of the theology of liberation which understands the school as a forum for advocacy, social empowerment, and personal spirituality. Latin American Studies.
Attributes: Undergraduate

EDU 360 Science Methods ECE (3 credits)
EDU 361 Math and Technology ECE (3 credits)
EDU 362 Social Studies Thru Arts PK-4 (3 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies through the visual and performing arts. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.
Restrictions: Enrollment is limited to students with a major in Elementary Educ 4th - 8th Gr
Attributes: Undergraduate

EDU 362F FE: Soc Studies Thru Arts PK-4 (0 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies through the visual and performing arts. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.
Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K-4th Gr.
Attributes: Undergraduate

EDU 363 Science Methods PK-4 (3 credits)
This course is designed to provide students with the opportunity to investigate teaching modalities relevant to elementary school science. Emphasis is placed upon the philosophy, curriculum planning and organization, skill development, instrumental methodology, and classroom resources for the natural sciences. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.
Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K-4th Gr.
Attributes: Undergraduate
EDU 363F FE: Science Methods PK-4 (0 credits)
This course is designed to provide students with the opportunity to investigate teaching modalities relevant to elementary school science. Emphasis is placed upon the philosophy, curriculum planning and organization, skill development, instrumental methodology, and classroom resources for the natural sciences. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.

EDU 365 Math & Technology (PreK-4) (3 credits)
This course provides an overview of the development of mathematics as a part of the elementary school curriculum. Emphasis will be placed upon current research and the development of techniques useful in the presentation of mathematical concepts. Included in this course is a thorough investigation into the Standards and of the National Council of Teachers of Mathematics and examination of gender bias in the mathematics classroom. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.

Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K-4th Gr.
Attributes: Field Experience, Undergraduate

EDU 365F FE Math & Technology (PreK-4) (0 credits)
This course provides an overview of the development of mathematics as a part of the elementary school curriculum. Emphasis will be placed upon current research and the development of techniques useful in the presentation of mathematical concepts. Included in this course is a thorough investigation into the Standards and of the National Council of Teachers of Mathematics and examination of gender bias in the mathematics classroom. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.

EDU 369 Perspectives of Women in Edu (3 credits)
EDU 379 Family, School & Community (3 credits)
EDU 381 Math in the Elementary School (3 credits)
EDU 382 Social Studies in Elem School (3 credits)
EDU 383 Science in the Elem School (3 credits)
EDU 390 Elem Pedagogy Field Exp (0 credits)
EDU 391 Math in the Elementary School (3 credits)
EDU 392 Social Studies in Elem School (3 credits)
EDU 393 Science in the Elem School (3 credits)
EDU 410 Instructional Tech -English (3 credits)
A course designed to introduce pre-service and in-service secondary school teachers of English to instructional processes, strategies, materials, assessment practices and classroom management theory that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Emphasis is on lesson planning that utilizes questioning and discovery strategies, inductive and deductive teaching skills, process writing procedures and traditional grammar, plus oral English skills as demonstrated on a video-taped mini lesson. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.

Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 410F FE: Instru Tech for English (0 credits)
A course designed to introduce pre-service and in-service secondary school teachers of English to instructional processes, strategies, materials, assessment practices and classroom management theory that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Emphasis is on lesson planning that utilizes questioning and discovery strategies, inductive and deductive teaching skills, process writing procedures and traditional grammar, plus oral English skills as demonstrated on a video-taped mini lesson. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.

Attributes: Undergraduate

EDU 411 Instruct Techniques -Eng FE (1 credit)
EDU 412 Instruct Techniques -Soc Stud (3 credits)
This course introduces pre-service and in-service secondary schools and classroom management techniques that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Investigations involve studies of the integration of social, economic, and political impact upon groups. Instruction is designed to explore the structure of the discipline with a focus on preparing students to be critical thinkers and citizens in a global, technological and culturally diverse world. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.

Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 412F FE: Instru Tech-Social Studies (0 credits)
This course introduces pre-service and in-service secondary schools and classroom management techniques that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Investigations involve studies of the integration of social, economic, and political impact upon groups. Instruction is designed to explore the structure of the discipline with a focus on preparing students to be critical thinkers and citizens in a global, technological and culturally diverse world. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.

Attributes: Undergraduate
EDU 413 Instruct Tech - Soc Stud FE (1 credit)

EDU 414 Instruct Techniques - For Lang (3 credits)
This course introduces the student or teacher to the substance and strategies of proficiency-oriented second-language instruction (K-12). Students will be placed in a K-12 classroom where they will study issues related to teaching pedagogy. The course will enable the student to compose a working definition of proficiency, and explore possible approaches (instructional techniques) for attaining the goals indicated by this definition. Attention is also given to selected topics in both first and second language acquisition theory and practice. An introduction to general linguistics is helpful but not required. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Educ 4th - 8th Gr or Secondary Education. Attributes: Undergraduate

EDU 414F FE: Instr Tech Foreign Lang (0 credits)
This course introduces the student or teacher to the substance and strategies of proficiency-oriented second-language instruction (K-12). Students will be placed in a K-12 classroom where they will study issues related to teaching pedagogy. The course will enable the student to compose a working definition of proficiency, and explore possible approaches (instructional techniques) for attaining the goals indicated by this definition. Attention is also given to selected topics in both first and second language acquisition theory and practice. An introduction to general linguistics is helpful but not required. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Educ 4th - 8th Gr or Secondary Education. Attributes: Undergraduate

EDU 415 Instruct Tech - For Lang FE (1 credit)

EDU 416 Instructional Techniques - Math (3 credits)
This course is intended to assist students in the development of their individual approaches to instructional styles and strategies. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Emphasis will be placed upon the current research and the development of techniques useful in the presentation of mathematical concepts at the secondary level. Included in this course is a thorough investigation of the National Council of Teachers of Mathematics' Standards and examination of Gender Bias in the mathematics classroom. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Educ 4th - 8th Gr or Secondary Education. Attributes: Undergraduate

EDU 416F FE: Instr Tech Mathematics (0 credits)
This course is intended to assist students in the development of their individual approaches to instructional styles and strategies. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Emphasis will be placed upon the current research and the development of techniques useful in the presentation of mathematical concepts at the secondary level. Included in this course is a thorough investigation of the National Council of Teachers of Mathematics' Standards and examination of Gender Bias in the mathematics classroom. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Attributes: Undergraduate

EDU 417 Instructional Tech - Math FE (1 credit)

EDU 418 Instructional Tech - Science (3 credits)
This course is intended to assist students in the development of their individual instructional styles and strategies. Well-conceived and effective curriculum and instruction are based upon both an understanding of the adolescent and the nature of science. Instructional techniques ranging from lecture and demonstrations to laboratory and computer simulations will be modeled and analyzed. Issues in classroom management and safety, among other topics, will be explored. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. All of these courses in instructional methodology include discussion of and practice in instructional management, student motivation, the implications of learning theory for classrooms, the identification of instructional resources, and procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Educ 4th - 8th Gr or Secondary Education. Attributes: Undergraduate

EDU 418F FE: Instr Tech for Science (0 credits)
This course is intended to assist students in the development of their individual instructional styles and strategies. Well-conceived and effective curriculum and instruction are based upon both an understanding of the adolescent and the nature of science. Instructional techniques ranging from lecture and demonstrations to laboratory and computer simulations will be modeled and analyzed. Issues in classroom management and safety, among other topics, will be explored. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. All of these courses in instructional methodology include discussion of and practice in instructional management, student motivation, the implications of learning theory for classrooms, the identification of instructional resources, and procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 151
Attributes: Undergraduate

EDU 419 Instructional Tech - Science FE (1 credit)

EDU 420 Edu & Selected Topics: Ling (3 credits)

EDU 421 Computers for Educators (3 credits)

EDU 422 Instruct Tech. for Art Edu (3 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.
Attributes: Undergraduate
EDU 422F FE: Instruct Tech for Art Edu (0 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.

EDU 423 Art Education Pedagogy Lab (0 credits)

EDU 424 English Linguistics (3 credits)
This course is an introduction to linguistics through the lens of educational research. First, we will overview the broad field of linguistics. Then, we will focus on an analysis of recent research in discourse analysis and explore particular contexts of discourse such as legal fields, family interactions, the workplace, and the classroom. Special attention will be given to language classroom discourse. We will focus on substantive issues addressed by the research and theoretical frameworks used to structure the inquiry.
Attributes: Undergraduate

EDU 468 Literature for Adolescents (3 credits)

EDU 470 Creative Expressions (3 credits)

EDU 471 Writing in the Classroom (3 credits)
A practical course in the teaching of writing across the curriculum. Practice in personal, creative, and expository writing. Methods of teaching writing and steps in the writing process (pre-writing, drafting, revising, editing, publishing) are emphasized in the course.
Restrictions: Enrollment is limited to students with a major in Elementary Educ 4th - 8th Gr.
Attributes: Undergraduate

EDU 472 Field Experience 7 ECE (1 credit)

EDU 473 Field Experience 7 4-8 (1 credit)

EDU 479 Independent Study Education (3 credits)
This course is designed to accommodate those students who have an interest in a research- or internship- worthy topic that can be examined on an independent basis. The student will work closely with a professor on an education-related topic that will require the identification of that topic, a literature review, appropriate methodology/field experience, and analysis.

EDU 490 Elementary Student Teaching (12 credits)

EDU 491 Secondary Student Teaching (12 credits)
This experience is designed as the capstone professional course for the Secondary Education Certification program; it is to be the final course taken in the educational coursework sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, each week students attend a seminar in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student will have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, using technology in the classroom, identifying instructional resources, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines.

Restrictions: Enrollment is limited to students with a major in Secondary Education.
Attributes: Undergraduate

EDU 492 ELE/SPED Student Teaching (12 credits)

EDU 495 Student Teaching ECE (12 credits)
This experience is designed as the capstone professional course for the PK-4 education major; it is to be the final course taken in the major sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, the student attends a seminar once each week in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student shall have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, the use of technology, using reading, language, and literacy skills in all classrooms, the identification of instructional resources, and the assessment of student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education

Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate
EDU 496 Student Teaching 4-8 (12 credits)
This experience is designed as the capstone professional course for the 4-8 Certification program; it is to be the final course taken in the educational coursework sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, each week students attend a seminar in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student will have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, using technology in the classroom, identifying instructional resources, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education

Restrictions: Enrollment is limited to students with a major in Elementary Educ 4th - 8th Gr.
Attributes: Undergraduate

EDU 497 Student Teaching 9-12 (12 credits)
This experience is designed as the capstone professional course for the Secondary Education Certification program; it is to be the final course taken in the educational coursework sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, each week students attend a seminar in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student will have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, using technology in the classroom, identifying instructional resources, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education

Restrictions: Enrollment is limited to students with a major in Secondary Education.
Attributes: Undergraduate

EDU 498 Student Teaching Dual (6 credits)
This experience is designed as the capstone professional course for the Double Major (PK-4 / Special Education); it should be taken in conjunction with SPE 495. It is to be the final course taken in the major sequence. The Student Teaching experience approximates a full-time working experience for the semester (fourteen weeks) and includes experiences in both regular and special education classrooms. It includes a seminar class each week in which issues related to student teaching are studied. At the conclusion of the Student Teaching experience, the student shall have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the education setting, using reading, language and literacy skills in working with exceptional students, identifying instructional resources, using technology, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education

Co-requisite: SPE 495

Restrictions: Enrollment is limited to students with a major in Elem-Special Education or Elementary Education.
Attributes: Undergraduate
EDU 500C Movement & Lrnng in Classroom (3 credits)
EDU 501C School Violence:Strategies (3 credits)
EDU 502C BullyingVictimization:Causes (3 credits)
EDU 503C Co-Workers:Collabor & Teaching (3 credits)
EDU 505C Mentoring/Motivating Students (3 credits)
EDU 508C CharacterEd:InstillPositiveValu (3 credits)
EDU 510C ADHD:What Educ Need to Know (3 credits)
EDU 511C BloomBrainTheory:Effect Quest (3 credits)
EDU 512C Building a Classroom Community (3 credits)
EDU 513C Strt in Classroom Mgt (3 credits)
EDU 514C HlthyConflictResolut:Strategy (3 credits)
EDU 516C Meeting Needs:Differ Instruct (3 credits)
EDU 520C Drug Awarness/ Identification (3 credits)
EDU 524C Inclusion:Accepting Diversity (3 credits)
EDU 526C Psych Disorder in Classroom (3 credits)
EDU 529C Helping Children Cope:Stress (3 credits)
EDU 531C Violence in the Media (3 credits)
EDU 532C Teaching:21st Cent Classroom (3 credits)
EDU 533C K-8 Sci:Tchnng for Motiv Undstn (3 credits)
EDU 534C Conflict Resolut:Cult of Collab (3 credits)
EDU 535C Using Tech Effect in Classroom (3 credits)
EDU 545L Prac Issues Sec Teach Lab (0 credits)
EDU 550 Hist & Contemp Perspect Educ (3 credits)
American education as a dynamic, sometimes cyclic, process. The origins, evolution, and realities of contemporary public and private schools are examined through critical reading original documents. Visits to elementary or secondary classrooms in multicultural setting provide a strong link to the teacher's world. Enrollment in Field Experience (EDU 550F) is required with this course.
Restrictions: Enrollment is limited to Graduate level students.
EDU 550F FE:Hist & Contemp Perspect Edu (0 credits)
American education as a dynamic, sometimes cyclic, process. The origins, evolution, and realities of contemporary public and private schools are examined through critical reading original documents. Visits to elementary or secondary classrooms in multicultural setting provide a strong link to the teacher's world. Enrollment in Field Experience (EDU 550F) is required with this course.
Restrictions: Enrollment is limited to Graduate level students.
EDU 551 Psych Teaching:Develop Perspec (3 credits)
This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models. Enrollment in Field Experience (EDU 551F) is required with this course.
Prerequisites: EDU 4025 or EDU 4025 Placement Score with a score of 1 or EDU 554
Restrictions: Enrollment is limited to Graduate level students.
EDU 551F FE:Psych Teach:Develop Perspec (0 credits)
This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models. Enrollment in Field Experience (EDU 551F) is required with this course.
Restrictions: Enrollment is limited to Graduate level students.
EDU 552 FE:Hist & Contemp Perspect Edu (1 credit)
EDU 553 FE: Psychology of Teaching (1 credit)
EDU 555 Foundations of Early Childhood (3 credits)
EDU 556 FE: Found. of Early Childhood (1 credit)
EDU 557 Adolescent Psychology (3 credits)
This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment at the secondary level. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models.
Restrictions: Enrollment is limited to Graduate level students.
EDU 557F FE: Adolescent Psychology (0 credits)
This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment at the secondary level. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models.
Restrictions: Enrollment is limited to Graduate level students.
EDU 558 FE: Middle Level Development (1 credit)
EDU 560 Using Tech for Instru & Asses (3 credits)
EDU 570 Education Independetn Study (3 credits)
EDU 600 Educ Lead Research&Refi Pract (3 credits)
EDU 601 Field Experience Cert I (1 credit)
EDU 602 Certification Lab II (1 credit)
EDU 603 Elementary Pedagogy Lab (1 credit)
EDU 605 Critical Contemp Educ. Issues (3 credits)
EDU 606 Math in Elementary School (3 credits)
EDU 607 Social Studies in Elem School (3 credits)
EDU 608 Science In Elementary School (3 credits)
EDU 610 Instruct Techniques - English (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student's area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 610F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.
EDU 610F FE: Instruct Techniques - Engl (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 610F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 611 Instruct Techniques - Eng Lab (1 credit)

EDU 612 Instruct Techniques - Soc Stud (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 612F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 612F FE: Instruct Tech-Soc Studies (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 612F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 613 Instruct Tech - Soc Stud Lab (1 credit)

EDU 614 Instruct Techniques - For Lang (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 614F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 614F Instruct Techniques - For Lang (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 614F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 615 Instruct Tech - For Lang Lab (1 credit)

EDU 616 Instruct Techniques - Math (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 616F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 616F FE: Instruct Techniques - Math (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 616F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 617 Instruct Techniques - Math Lab (1 credit)

EDU 618 Instruct Techniques - Science (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 618F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 618F FE: Instruct Techniques - Sci (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 618F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 619 Instruct Techniques - Sci Lab (1 credit)

EDU 620 Multimedia Production (3 credits)

EDU 621 Computers for Educators (3 credits)

EDU 622 Instructional Tech in Art Ed (3 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Enrollment in Field Experience (EDU 622F) is required with this course.
Restrictions: Enrollment is limited to Graduate level students.
EDU 622F FE: Instructional Tech - Art Ed (1 credit)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Enrollment in Field Experience (EDU 622F) is required with this course.

EDU 623 Instruct Tech in Art Ed Lab (1 credit)

EDU 625 Theory & Prac in Second Teach (3 credits)
This course studies the content and methods for teaching the five PA certification disciplines: English, Foreign Language, Mathematics, Science, and Citizenship. National, state, and local standards are examined, which students consider in relation to curriculum design and pedagogy. Backward Design, a method for developing lessons and units, provides a common organizing framework that fosters good teaching. For part of the course, students study within their own discipline, interacting with texts that discuss curriculum frameworks, the planning of lessons and units, pedagogical content knowledge, and assessment. Ten models of teaching that are applicable to all disciplines are explored in detail. As students develop units of study, they gain practice in using these models and the Backward Design method.

Restrictions: Enrollment is limited to Graduate level students.

EDU 625F FE: Theory & Prac Second Teach (0 credits)
This course studies the content and methods for teaching the five PA certification disciplines: English, Foreign Language, Mathematics, Science, and Citizenship. National, state, and local standards are examined, which students consider in relation to curriculum design and pedagogy. Backward Design, a method for developing lessons and units, provides a common organizing framework that fosters good teaching. For part of the course, students study within their own discipline, interacting with texts that discuss curriculum frameworks, the planning of lessons and units, pedagogical content knowledge, and assessment. Ten models of teaching that are applicable to all disciplines are explored in detail. As students develop units of study, they gain practice in using these models and the Backward Design method.

Restrictions: Enrollment is limited to Graduate level students.

EDU 627F FE: Theory & Pract Sec Tch Math/Sci (0 credits)
This course studies the content and methods for teaching the PA certification disciplines: Mathematics, Science. National, state, and local standards are examined, which students consider in relation to curriculum design and pedagogy. Backward Design, a method for developing lessons and units, provides a common organizing framework that fosters good teaching. For part of the course, students study within their own discipline, interacting with texts that discuss curriculum frameworks, the planning of lessons and units, pedagogical content knowledge, and assessment. Ten models of teaching that are applicable to all disciplines are explored in detail. As students develop units of study, they gain practice in using these models and the Backward Design method.

Restrictions: Enrollment is limited to Graduate level students.

EDU 630 Early Literacy & Numeracy (3 credits)

EDU 631 Assessment & Evaluation (3 credits)

EDU 632 Reading Literature I (3 credits)
This course provides students with the opportunity to investigate the various theoretical models of the reading process. Students investigate the various factors which impact upon successful reading performance. Students begin to investigate the use of literature, specifically fiction, nonfiction, poetry, picture books, and fantasy selections in the development of instructional practices in the primary grades. Included in this course is an investigation of the use of Basals as literature. In addition, students study the use of reading strategies to be used for teaching reading in the content areas. Enrollment in Field Experience (EDU 632F) is required with this course. Prerequisite: EDU 551.

Prerequisites: (EDU 4035 or EDU 4035 Placement Score with a score of 1) or EDU 551

Restrictions: Enrollment is limited to Graduate level students.

EDU 632F FE Reading/Literature I (0 credits)
This course provides students with the opportunity to investigate the various theoretical models of the reading process. Students investigate the various factors which impact upon successful reading performance. Students begin to investigate the use of literature, specifically fiction, nonfiction, poetry, picture books, and fantasy selections in the development of instructional practices in the primary grades. Included in this course is an investigation of the use of Basals as literature. In addition, students study the use of reading strategies to be used for teaching reading in the content areas. Enrollment in Field Experience (EDU 632F) is required with this course. Prerequisite: EDU 551.

EDU 633 FE: Assessment & Evaluation (1 credit)

EDU 634 FE: Reading Literature I (1 credit)

EDU 635 Networks: Config & Implement (3 credits)

EDU 640 Reading Literature II (3 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of Multicultural Literature and the Writing Process. Enrollment in Field Experience (EDU 640F) is required with this course. Prerequisite: EDU 632.

Prerequisites: EDU 632

Restrictions: Enrollment is limited to Graduate level students.
EDU 640F FE: Reading Literature II (0 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use of fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of Multicultural Literature and the Writing Process. Enrollment in Field Experience (EDU 640F) is required with this course. Prerequisite: EDU 632.
Restrictions: Enrollment is limited to Graduate level students.

EDU 641 Social Motor Development (3 credits)

EDU 642 Perspectives in Early Child Ed (3 credits)
This course is designed as an introduction to the essentials of early childhood education. Topics to be covered include: recognizing the unique roles played by early care and education providers teaching young children; understanding cognitive, social-emotional, adaptive and motor development in childhood; assessing and planning a developmentally appropriate and standards-based curriculum; providing an inclusive learning environment; and communicating effectively with families and caregivers. Special attention will be given to contemporary models of Early Childhood Education in school and other early childhood settings and the unique needs of early learners, including English Language Learners and students with special needs. Enrollment in Field Experience (EDU 642F) is required with this course. Prerequisites: EDU 550, EDU 551.
Restrictions: Enrollment is limited to Graduate level students.

EDU 642F FE: Curriculum & Inst in ECE (0 credits)
This course is designed as an introduction to the essentials of early childhood education. Topics to be covered include: recognizing the unique roles played by early care and education providers teaching young children; understanding cognitive, social-emotional, adaptive and motor development in childhood; assessing and planning a developmentally appropriate and standards-based curriculum; providing an inclusive learning environment; and communicating effectively with families and caregivers. Special attention will be given to contemporary models of Early Childhood Education in school and other early childhood settings and the unique needs of early learners, including English Language Learners and students with special needs. Enrollment in Field Experience (EDU 642F) is required with this course. Prerequisites: EDU 550, EDU 551.
Restrictions: Enrollment is limited to Graduate level students.

EDU 643 FE: Reading Literature II (1 credit)

EDU 644 Socio-Emotion & Motor Develop (3 credits)

EDU 645 Trauma: Infancy & Early Child (3 credits)

EDU 646 Language and Culture (3 credits)
This course introduces candidates to key theories, issues, and research-based practices related to teaching culturally and linguistically diverse students (Pre-K-12), with a special focus on students who are commonly referred to as English language learners (ELLs). Candidates will explore the many dimensions of culture and language. They will also learn how to align the PA Language Proficiency Standards with the PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, video recordings, library and online research, and a field experience in a culturally and linguistically diverse classroom will engage candidates in the course topics.
Restrictions: Enrollment is limited to Graduate level students.

EDU 646F FE: Language and Culture (0 credits)
This course introduces candidates to key theories, issues, and research-based practices related to teaching culturally and linguistically diverse students (Pre-K-12), with a special focus on students who are commonly referred to as English language learners (ELLs). Candidates will explore the many dimensions of culture and language. They will also learn how to align the PA Language Proficiency Standards with the PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, video recordings, library and online research, and a field experience in a culturally and linguistically diverse classroom will engage candidates in the course topics.
Restrictions: Enrollment is limited to Graduate level students.

EDU 647 Literacy & Learn Across Curric (3 credits)
The teaching of reading in various fields in middle and secondary schools will be the focus of this course. Topics examined will include reading in the school programs, problems in curricular materials, meeting individual needs, general and specific reading/study skills, critical reading, and adjustment of instruction to meet individual learning styles. Special focus on the use of audiovisual materials in the classroom is a core component of the course. Restricted to students in Level I Secondary Certification programs. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 647F FE: Literacy/Lrn Across Curric (0 credits)
The teaching of reading in various fields in middle and secondary schools will be the focus of this course. Topics examined will include reading in the school programs, problems in curricular materials, meeting individual needs, general and specific reading/study skills, critical reading, and adjustment of instruction to meet individual learning styles. Special focus on the use of audiovisual materials in the classroom is a core component of the course. Restricted to students in Level I Secondary Certification programs. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 650 Assessment of Young Children (3 credits)

EDU 651 Trauma: Infancy & Early Child (3 credits)

EDU 652 Trauma Princ Infant & Early Child (3 credits)

EDU 653 Literacy in the Content Areas (3 credits)

EDU 654 Literacy, Language and Culture (3 credits)

EDU 655 FE: Social Studies Methods (1 credit)

EDU 656 FE: Liter/Soc Studies Meth 4-8 (1 credit)

EDU 657 Enhance Trauma Prin. Child/Infan (3 credits)

EDU 660 Science Methods ECE (3 credits)

EDU 661 Math & Technology ECE (3 credits)

EDU 662 Science & Math Methods 4-8 (3 credits)

EDU 663 Science Methods PK - 4 (3 credits)
This course is designed to provide students with the opportunity to investigate the philosophy, curriculum planning and organization, skill development, content knowledge, and instructional approaches relevant to teaching elementary school science.
Restrictions: Enrollment is limited to Graduate level students.

EDU 663F FE: Science Methods PK - 4 (0 credits)
This course is designed to provide students with the opportunity to investigate the philosophy, curriculum planning and organization, skill development, content knowledge, and instructional approaches relevant to teaching elementary school science. Prerequisite: EDU 551/551F.
Restrictions: Enrollment is limited to Graduate level students.
EDU 664 FE: Science Methods ECE (1 credit)

EDU 665 Interscip Teach Math, Sci Tech (3 credits)
This is a course in elementary level science and math teaching methods. Students will be exposed to the current academic standards for math, science, technology, and engineering standards using the Pennsylvania Standards Aligned System (PA SAS) as well as the PA Common Core Mathematics Standards (PA CCCMS). It is designed to take students’ thinking beyond the facts and tools of science and mathematics to the level of the underlying ideas that expose their relatedness. Thinking conceptually about science and mathematics means thinking in terms of unifying scientific ideas or mathematical constructs that have the potential to produce sharable tools and understandings. In addition, the course will address the role that technology tools are playing in children’s math and science education. Prerequisite: EDU 551/551F.

Restrictions: Enrollment is limited to Graduate level students.

Attributes: Field Experience

EDU 665F FE: Inter: Teach Math, Sci Tech (0 credits)
This is a course in elementary level science and math teaching methods. Students will be exposed to the current academic standards for math, science, technology, and engineering standards using the Pennsylvania Standards Aligned System (PA SAS) as well as the PA Common Core Mathematics Standards (PA CCCMS). It is designed to take students’ thinking beyond the facts and tools of science and mathematics to the level of the underlying ideas that expose their relatedness. Thinking conceptually about science and mathematics means thinking in terms of unifying scientific ideas or mathematical constructs that have the potential to produce sharable tools and understandings. In addition, the course will address the role that technology tools are playing in children’s math and science education. Prerequisite: EDU 551/551F.

Restrictions: Enrollment is limited to Graduate level students.

EDU 667 Teach Soc Stud Thru Arts PK-4 (3 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 551/551F.

Restrictions: Enrollment is limited to Graduate level students.

EDU 667F FE: Teach Soc Stud Thru Art PK-4 (0 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 551/551F.

EDU 668 Literature for Adolescents (3 credits)

EDU 670 Creative Expressions (3 credits)

EDU 671 Writing in the Classroom (3 credits)
This course introduces theories and practices of writing instruction, with a specific emphasis on writing process pedagogy. Candidates will experiment with writing across genres, and will learn how to use mentor texts, develop mini-lessons, create workshop classrooms, and develop assessment tools. Candidates will be able to concentrate on specific student populations based on their certification.

Restrictions: Enrollment is limited to Graduate level students.

EDU 672 Field Experience 7 ECE (1 credit)
EDU 673 Field Experience 7 4-8 (1 credit)
EDU 679 Directed Research I (3 credits)
These directed experiences (students may do a maximum of 3) provide an opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.

Restrictions: Enrollment is limited to Graduate level students.

EDU 680 Directed Research II (3 credits)
These directed experiences (students may do a maximum of 3) provide an opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.

Restrictions: Enrollment is limited to Graduate level students.

EDU 681 Directed Research III (3 credits)
These directed experiences (students may do a maximum of 3) provide an opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.

Restrictions: Enrollment is limited to Graduate level students.

EDU 682 Social Studies in Elem School (3 credits)
EDU 683 Science in Elementary School (3 credits)
EDU 690 Elementary Student Teaching (6 credits)
EDU 691 Secondary Student Teaching (6 credits)
Student or Intern teaching (or individually designed field experience) under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for the certification student. The fieldwork experience approximates a full-time working/teaching experience for one full semester. At the conclusion of the experience students must have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, using reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, the identification of instructional resources, and the assessment of student achievement. The fieldwork course is typically the final course in a certification sequence. Students should apply to the Director of Student Teaching based on the application deadlines established by the Department. Includes a weekly seminar.

Restrictions: Enrollment is limited to Graduate level students.
EDU 692 Elem/Sped Student Teaching (6 credits)

EDU 695 PK-4 Student Teaching (6 credits)
Student or Intern teaching (or individually designed field experience) under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for the certification student. The fieldwork experience approximates a full-time working/teaching experience for one full semester. At the conclusion of the experience students must have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, using reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, the identification of instructional resources, and the assessment of student achievement. The fieldwork course is typically the final course in a certification sequence. Students should apply to the Coordinator of Student Teaching based on the application deadlines established by the Department. Includes a weekly seminar.

Restrictions: Enrollment is limited to Graduate level students.

EDU 696 4-8 Student Teaching (6 credits)
Student or Intern teaching (or individually designed field experience) under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for the certification student. The fieldwork experience approximates a full-time working/teaching experience for one full semester. At the conclusion of the experience students must have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, using reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, the identification of instructional resources, and the assessment of student achievement. The fieldwork course is typically the final course in a certification sequence. Students should apply to the Coordinator of Student Teaching based on the application deadlines established by the Department. Includes a weekly seminar.

Restrictions: Enrollment is limited to Graduate level students.

EDU 697 Secondary Student Teaching (6 credits)

EDU 700 Psychology of Literacy (3 credits)
Designed to provide educators with an understanding of the psychological basis of literacy acquisition and development. Emphasis will be placed upon interactive models of the reading process and their implications for classroom instruction. The role of language, cognition, information processing, affective factors and measurement in reading will be examined in detail.

Restrictions: Enrollment is limited to Graduate level students.

EDU 701 Assess & Instr in Liter K-3 (3 credits)
This course provides in-depth study of students’ literacy development in grades K-3. A range of formal and informal assessments will be used to examine children’s early language and literacy development, including phonemic awareness, concepts of print, word recognition strategies, and comprehension abilities. This information will be used to make informed decisions about literacy instruction.

Restrictions: Enrollment is limited to Graduate level students.

EDU 702 Assess & Instr in Liter 4-12 (3 credits)
This course provides in-depth study of student’s literacy development in grades 4-12. A range of formal and informal assessments will be used to examine children’s literacy abilities; a focus of the course is understanding and enhancing growth in areas of selecting and applying comprehension strategies and reading texts critically. Assessments will be used to make informed decisions about literacy instruction.

Prerequisite: EDU 701
Restrictions: Enrollment is limited to Graduate level students.

EDU 703 Literacy Research (3 credits)
This course is designed to enable students to read and react critically to current research in the field of literacy. Emphasis will include an examination of the nature of educational research and the use and misuse of statistical analyses and interpretations of data. Students will complete a modified literature review of a specific topic to inform their own research agenda. Prerequisite: three reading specialist courses.

Restrictions: Enrollment is limited to Graduate level students.

EDU 704 Plng & Org a Literacy Program (3 credits)
The study of the reading program (K-12) is central to this course which utilizes the concept of communication as a unifying theme. Aspects of the planning and organizing of the literacy curriculum are examined. Emphasis is placed on the role of the reading specialist in developing, coordinating, and administering a literacy program. Students will assess the strengths and needs of a school's literacy program and make recommendations for improvement. Prerequisites: three reading specialist courses.

Restrictions: Enrollment is limited to Graduate level students.

EDU 705 Literacy Practicum (6 credits)
During this practical experience, students work intensively with pupils who have reading difficulties in their school setting. Under the guidance of a supervisor, graduate students will conduct assessments and draw from these data to inform their instruction. Each student will be expected to develop a case study on at least one student during the practicum experience. Prerequisites: EDU 700, 701, 702.

Prerequisites: EDU 700 and EDU 701 and EDU 702
Restrictions: Enrollment is limited to Graduate level students.

EDU 706 Socio Cult Aspects of Literacy (3 credits)
This course is based on theoretical frameworks relating literacy learning to the various contexts which lead learners to socially and culturally different ways of making sense and being in the world. It examines multiple views of language, literacy, and literacy development. Students explore the factors that impact literacy learning across different cultural communities. They also explore issues of race, class, and culture on language and literacy acquisition and development.

Restrictions: Enrollment is limited to Graduate level students.

EDU 707 Internship for ESL & Literacy (1 credit)
This practicum course is required for all students in the Five Year Program. Students work in schools under the supervision of a cooperating Reading Specialist. Course goals include understanding the roles and responsibilities of the Reading Specialist, instructing and assessing children with a variety of literacy abilities, and interfacing with parents, teachers, and administrators to serve the literacy needs of children in particular school communities.

Restrictions: Enrollment is limited to Graduate level students.
EDU 708 Multicultural Lit for Children (3 credits)
This course addresses literature that reflects the lifestyles, heritage, and values of the various cultures that make up the pluralistic American society. Students will examine various genres of multicultural literature, including folktales, realistic fiction, historical fiction, non-fiction, and poetry.
Restrictions: Enrollment is limited to Graduate level students.

EDU 710 English Linguistics (3 credits)
This course is an introduction to the study of language and principles of linguistics. The main areas of linguistics to be explored include: phonetics, phonology, morphology, syntax, semantics, sociolinguistics, pragmatics, second language acquisition, pedagogy, and applied linguistics. *While this course does not satisfy specific PDE standards for the ESL Specialist Program, we feel it is essential for all teachers who will be working with English language learners.
Restrictions: Enrollment is limited to Graduate level students.

EDU 711 Language and Culture (3 credits)
EDU 712 Topics in Language Acquisition (3 credits)
The course examines the processes of language acquisition, especially the process of learning a second or additional language, from various theoretical perspectives. Emphasis will be given to the learning environments, the characteristics of interaction and participation and contexts that facilitate second language acquisition. Additionally, the course will explore linguistic factors and processes in second language acquisition (SLA) and examine the structure of learner language.
Prerequisite: EDU 646
Restrictions: Enrollment is limited to Graduate level students.

EDU 713F FE: Meth Teach English Sec Lang (0 credits)
This course examines various approaches, methods, and techniques for teaching and assessing English language learners in bilingual and ESL classrooms, as well as assisting ESL students in the regular classrooms. Candidates explore the curriculum, instruction, and teaching materials to maximize opportunities for ESL learners to use the language, to learn about the language, and to learn through the language. Lab experience enables students to apply their pedagogical knowledge and skills in working with the ESL learners (prerequisites: EDU646, EDU710, EDU712).
Restrictions: Enrollment is limited to Graduate level students.

EDU 714 Intnship-ESL/Bilingual Programs (4 credits)
This course introduces students to the roles and responsibilities of the ESL/Bilingual teacher through a school-based internship. Interns spend 30 hours in the company of expert ESL/Bilingual educators in school settings. Students will gain expertise in working with groups of students, interfacing with teachers and caregivers, and examining programs that serve emergent bilingual students in grades PK-12. Emphasis will be on program design and implementation guided by the English language development standards (ELDS), including assessing students’ language capacities, designing programs to fit a variety of language needs, working with teachers and other school professionals to serve emergent bilinguals, and organizing programs to enhance caregiver collaboration.
Prerequisites: EDU712, EDU713, & EDU646
Restrictions: Enrollment is limited to Graduate level students.

EDU 716 Cultural Diversity in Classrooms (3 credits)
This course is designed to promote the exploration of issues of cultural diversity in American Education in preparation for the changing needs of society. Specific emphasis will be placed upon the role of literature as a springboard for discussion an integration of diversity issues into the curriculum. Students will also investigate current research investigating diversity in schools.
Restrictions: Enrollment is limited to Graduate level students.

EDU 769 Advanced Fieldwork in Literacy (6 credits)

Special Education
SPE 160 Intro to Special Education (3 credits)
This introductory course is designed to provide teachers-in-training with an understanding of the child with a disability in various instructional settings. Students will be provided with an overview of Special Education with emphasis on historical and emerging perspectives. Topics to be examined will include types and natures of exceptionalities; legal and ethical responsibilities of teachers; least restrictive environment; various instructional settings; the inclusion of exceptional children in regular education; services and programs for the exceptional child.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate
SPE 160F FE Intro to Special Education (0 credits)
This introductory course is designed to provide teachers-in-training with an understanding of the child with a disability in various instructional settings. Students will be provided with an overview of Special Education with emphasis on historical and emerging perspectives. Topics to be examined will include types and natures of exceptionalities; legal and ethical responsibilities of teachers; least restrictive environment; various instructional settings; the inclusion of exceptional children in regular education; services and programs for the exceptional child.

Attributes: Undergraduate

SPE 200 Teaching in Inclusive Environ (3 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, practices; organizes the environment, including school-wide, class-wide, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students as well as the development of proactive approaches to classroom and school environments. This will enable teachers to increase the amount of academic learning time in which to address the needs of all students in inclusive classrooms and to increase achievement. In addition, the course study will include a focus on understanding how behaviors are influenced by pedagogical practices.

SPE 200F FE Teaching in Inclusive Environ (0 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, practices; organizes the environment, including school-wide, class-wide, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students as well as the development of proactive approaches to classroom and school environments. This will enable teachers to increase the amount of academic learning time in which to address the needs of all students in inclusive classrooms and to increase achievement. In addition, the course study will include a focus on understanding how behaviors are influenced by pedagogical practices.

SPE 203F FE Tchng Adolesc Inclus Environ (0 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, practices; organizes the environment, including school-wide, class-wide, and individual supports; measures and reports progress. In addition, course study will include a focus on understanding how adolescent behaviors are influenced by pedagogical practices and classroom environments. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior.

Attributes: Undergraduate

SPE 203F FE Tchng Adolesc Inclus Environ (0 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, practices; organizes the environment, including school-wide, class-wide, and individual supports; measures and reports progress. In addition, course study will include a focus on understanding how adolescent behaviors are influenced by pedagogical practices and classroom environments. While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults. Pre-requisite: SPE 160/160F.
SPE 230 Intro to Special Education (3 credits)
SPE 231 FE Intro to Special Education (2 credits)

SPE 310 Assessment & Progress Monitor (3 credits)
This course is designed to introduce teacher candidates to educational assessment in regular and special classroom settings at the secondary level. The course will provide teacher candidates with an in-depth understanding of the different types of assessment strategies including how to use multiple assessment data for making a wide range of educational decisions. Content will include an overview of different types of assessments including screening, diagnostic, formative, summative, authentic, benchmark and differentiated. Teacher candidates will learn basic testing, measurement and evaluation concepts, examine instruments that reflect construct of interest (knowledge, affect, behavior), construct various types of assessments and interventions and analyze and use instruments. Teacher candidates will also learn how to analyze and interpret assessment data for making instructional decisions. Throughout the course, teacher candidates will learn the importance of critical issues in the field of assessment and evaluation including: 1. philosophical and theoretical perspectives on assessment in schools, 2. contemporary context of school assessment and educational reform, 3. intersection of cultural difference and school assessment, 4. ethical principles of effective assessment and 5. teacher accountability and assessment. Pre-requisite: SPE 160/160F.

SPE 310F FE: Assessment&Progress Monitor (0 credits)
This course will provide an in-depth presentation of the complex issue of assessment in early care and education. The content of this course will provide students with an in-depth review of informal evaluation procedures and classroom-based data collection strategies for young children in inclusive early care and education settings. Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Additional course topics address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/ progress reporting with a focus on procedural considerations in the assessment of development and learning in the early childhood years. Related foci for discussion will also include the challenges in both assessing young children and using assessment data to design meaningful, developmentally appropriate activities for children and their families. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate

SPE 319 Assessment:Ident & Progr Monit (3 credits)
This course will provide a comprehensive review of informal evaluation procedures and classroom-based data collection strategies for preschool-age children in inclusive early care and education settings. Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Additional course topics address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/ progress reporting with a focus on procedural considerations in the assessment of development and learning in the early childhood years. Related foci for discussion will also include the challenges in both assessing young children and using assessment data to design meaningful, developmentally appropriate activities for children and their families. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.
SPE 329 Educ Stds w/High Incid Disabil (3 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student's education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.
Attributes: Undergraduate

SPE 329F FE: Ed Stds w/ High Incid Disb (0 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student's education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.
SPE 330 Educ Studts w/ Low Incid Disabi (3 credits)
SPE 330F FE Edu Stu w/ Low Incid Disabi (0 credits)
SPE 339 Educ Stds w/Low Incid Disabil (3 credits)

This course addresses the definitions, characteristics, assessment and specific techniques for students needing adaptive and functional curricula. Characteristics are addressed in relation to why and how specialized instruction can meet the learning and developmental needs of these individuals, specifically in the areas of instruction, assistive learning, and language-communication. This includes research validated instructional strategies, adaptive and assistive technologies including augmentative communication systems, and communication and social interaction alternatives for non-speaking individuals. In addition, the course reviews behaviorally-based educational models for students with autism and other moderate and severe disabilities, and presents methods aimed at enhancing functional skill development in major life domains, with emphasis on community-based training and self-determination. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate

SPE 339F FE Edu Stu w Low Incid Disab (0 credits)

This course addresses the definitions, characteristics, assessment and specific techniques for students needing adaptive and functional curricula. Characteristics are addressed in relation to why and how specialized instruction can meet the learning and developmental needs of these individuals, specifically in the areas of instruction, assistive learning, and language-communication. This includes research validated instructional strategies, adaptive and assistive technologies including augmentative communication systems, and communication and social interaction alternatives for non-speaking individuals. In addition, the course reviews behaviorally-based educational models for students with autism and other moderate and severe disabilities, and presents methods aimed at enhancing functional skill development in major life domains, with emphasis on community-based training and self-determination. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.

SPE 340 Literacy Intervention Strategy (3 credits)

SPE 340F FE: Literacy Intervent Strategy (0 credits)

SPE 349 Literacy & Intervention Strat (3 credits)

This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate
SPE 349F FE: Literacy & Intervention Strat (0 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

SPE 350 Teaching in Inclusive Environ (3 credits)
SPE 350F FE Teaching in Inclusive Envir (0 credits)
SPE 351 Edu Studnts w High Incid Disab (3 credits)
SPE 352 ThyrlInstrPract:Emot/Soc/Behav (3 credits)
SPE 353 Assessment & Progress Monitor (3 credits)
SPE 354 FE Educ Stu w High Incid Disab (2 credits)
SPE 359 Math & Content Area Interv Str (3 credits)
This course is an intensive and comprehensive study of research practices for the instruction of Mathematics, Science, and Social Studies for students with high incidence disabilities. Content will cover diagnostic planning, curriculum design, progress monitoring, and the development of student-specific programs involving evidence-based interventions. This course centers around the Response to Intervention model and most of the strategies discussed are based on the research which supports multi-sensory instruction, integrated learning experiences, and the multiple intelligences. Focus will also be given to the development of appropriate goals and the implementation of research-based curriculum, concepts, and instructional strategies which are most effective for students with high incidence disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F. Attributes: Undergraduate

SPE 359F FE Math & Cont Area Interv Str (0 credits)
This course is an intensive and comprehensive study of research practices for the instruction of Mathematics, Science, and Social Studies for students with high incidence disabilities. Content will cover diagnostic planning, curriculum design, progress monitoring, and the development of student-specific programs involving evidence-based interventions. This course centers around the Response to Intervention model and most of the strategies discussed are based on the research which supports multi-sensory instruction, integrated learning experiences, and the multiple intelligences. Focus will also be given to the development of appropriate goals and the implementation of research-based curriculum, concepts, and instructional strategies which are most effective for students with high incidence disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

SPE 360 Educ Studts w Low Incid Disabi (3 credits)
SPE 360F FE Edu Stu w Low Incid Disab (0 credits)
SPE 361 Technology & Instructl Design (3 credits)
SPE 362 FE Edu Stu w Low Incid Disab (2 credits)
SPE 369 Ed Stds w/Emot-Social Beh Disb (3 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F. Attributes: Undergraduate

SPE 369F FE: Ed Stds/Emot-Soc/Beh Disbs (0 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.
SPE 379 Fam School & Comm:Diverse Soc (3 credits)
This course focuses on the process of family assessment and intervention, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children’s educational needs and social-emotional development and the network of community services and resources to individuals, families and groups affected by social, environmental, health and related problems. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.
Attributes: Undergraduate

SPE 379F FE Fam School & Comm:Diver Soc (0 credits)
This course focuses on the process of family assessment and intervention, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children’s educational needs and social-emotional development and the network of community services and resources to individuals, families and groups affected by social, environmental, health and related problems. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.

SPE 389 Perspect on Gifted/Talented (3 credits)
This course will provide an in-depth presentation of the complex issue of assessment for all students at the early childhood level through secondary education. The content of this course will provide students with an in-depth review of a variety of evaluation procedures and classroom-based data collection strategies for students in all educational settings. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Students will be provided with an opportunity to explore assessment as it relates to their course of study. Additional course topics address legislation, regulations, topical issues, emerging evaluation trends, behavioral and social emotional assessment, test modifications/accommodations, parent involvement and assessment/progress reporting with a focus on procedural considerations in the assessment of development and learning. Related foci for discussion will also include the challenges in both assessing all students and using assessment data to design meaningful, developmentally appropriate activities for all students. Previous coursework related to the study of the contemporary and controversial issues within the field of special education will assist the learner in applying conceptual knowledge into practice to ensure success for all students. Knowledge of evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services as well as an understanding of the contemporary and controversial issues within the field of special education will assist the learner in applying conceptual knowledge into practice to ensure success for all students.

SPE 460 Math & Content Intervent Strat (3 credits)
SPE 470 Emotional/Soc/Behavior Disabil (3 credits)
SPE 470F FE:Emot/Soc/Behav Disabilities (0 credits)
SPE 471 Liter Instru in Content Areas (3 credits)
SPE 472 Math, Sci, & Soc Stu Instruc (3 credits)
SPE 473 Edu Stu w Em/Soc & Beh Disord (3 credits)
SPE 490 SPED Lab and Seminar (3 credits)
SPE 495 Special Ed. Student Teaching (6 credits)
This experience is designed as the capstone professional course in the Special Education major. It is to be the final course in the sequence of Special Education courses for certification. The student teaching experience approximates a full time working experience for a fourteen week semester. It includes a supervised teaching experience as well as a weekly seminar class in which issues related to student teaching are studies. Evaluations are conducted by the seminar instructor, the cooperating teacher and a university supervisor.
Attributes: Undergraduate
SPE 498 SPE Studnt Teacher - Dual Prog (6 credits)
SPE 570 Special Ed Independent Study (3 credits)
SPE 600 Found & Current Issues: Sp Edu (3 credits)
This course is a critical study of the contemporary and controversial issues within the field of special education. Consideration will be given to the philosophical, psychological, and sociological basis of teacher education, including an analytical review of research-based curricula, programmatic innovations, policy issues and their effects, and ethical practices. Discussions will focus on evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services. Restrictions: Enrollment is limited to Doctoral or Graduate level students.

SPE 600F FE: CurrentIssuesSPED:PracProc (0 credits)
This course is a critical study of the contemporary and controversial issues within the field of special education. Consideration will be given to the philosophical, psychological, and sociological basis of teacher education, including an analytical review of research-based curricula, programmatic innovations, policy issues and their effects, and ethical practices. Discussions will focus on evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services. Restrictions: Enrollment is limited to Doctoral or Graduate level students.

SPE 601 EducAssessment& ProgMonitoring (3 credits)
This course will provide an in-depth presentation of the complex issue of assessment for all students at the early childhood level through secondary education. The content of this course will provide students with an in-depth review of a variety of evaluation procedures and classroom-based data collection strategies for students in all educational settings. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/ program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Students will be provided with an opportunity to explore assessment as it relates to their course of study. Additional course topics address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/progress reporting with a focus on procedural considerations in the assessment of development and learning. Related foci for discussion will also include the challenges in both assessing all students and using assessment data to design meaningful, developmentally appropriate activities for all students. Previous coursework related to the study of the contemporary and controversial issues within the field of special education will assist the learner in applying conceptual knowledge into practice to ensure success for all students. Knowledge of evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services as well as an understanding of the contemporary and controversial issues within the field of special education will assist the learner in applying conceptual knowledge into practice to ensure success for all students.

Restrictions: Enrollment is limited to Graduate level students.

SPE 601F FE: EducAssess&ProgMonitoring (0 credits)
SPE 602 DiagnosticAsses/ProgressMon (3 credits)
This course will provide an in-depth presentation of the complex issue of assessment, including an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/ program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques. Addition course topics will address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/progress reporting. Prerequisites: SPE 4805 or SPE 550 or SPE 600 or SPE 5105
Restrictions: Enrollment is limited to Graduate level students.

SPE 602F FE:DiagnosticAsses/ProgressMon (0 credits)
This course will provide an in-depth presentation of the complex issue of assessment, including an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/ program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques. Addition course topics will address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/progress reporting. Prerequisites: SPE 4805 or SPE 550 or SPE 600 or SPE 5105
Restrictions: Enrollment is limited to Graduate level students.

SPE 603 Thry&InstrPracticeStdtntHighInc (3 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities. Prerequisites: SPE 4805 or SPE 550 or SPE 600 or SPE 5105
Restrictions: Enrollment is limited to Graduate level students.
SPE 603F FE Stdnts W/High Disabilities (0 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students' needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities.

SPE 604 RsrchBsedModel:Lit,WritOrLan (3 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities.

Restrictions: Enrollment is limited to Graduate level students.

SPE 604F FE Reading in Content Area (0 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities.

SPE 605 RsrchBasedModel:MathSciencePro (3 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach mathematics and content area subjects, including science and social studies. A study of theory and practice of effective teaching methodologies, combined with principles of differentiated instruction. Attention will be on teaching models and methods supported by research and emphasis will be placed on development of effective teaching procedures.

SPE 606 ThryInstrPract:Emot/Soc/Behav (3 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping.

Restrictions: Enrollment is limited to Graduate level students.

SPE 607 ThryInstrPrctStdntsW/Lowlnccid (3 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping.

Restrictions: Enrollment is limited to Graduate level students.

SPE 607F FE Students W/ Low Disabilities (0 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping.

SPE 608 FamiliesSchls&Cmnty:CommCollab (3 credits)
This course focuses on the home-school partnerships, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's educational needs and social-emotional development and the network of community services and resources available to individuals, families and groups affected by social, environmental, health and related problems.

Restrictions: Enrollment is limited to Graduate level students.

SPE 608F FE Families/SchoolsCommunities (0 credits)
This course focuses on the home-school partnerships, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's educational needs and social-emotional development and the network of community services and resources available to individuals, families and groups affected by social, environmental, health and related problems.
SPE 609 SPED Clinical Practicum I (3 credits)
This is a combined seminar/internship experience. This fieldwork experience will provide the candidate with an opportunity for in-depth varied and continuous instruction experiences. The practicum will include a variety of researched based instructional practices, assessment procedures, classroom management strategies and organizational strategies to provide structured opportunities for professional growth and stimulation. These experiences will enable the candidate to (a) apply the knowledge and skills acquired through his/her study and previous experience to actual classroom situations that a teacher will face in a Response to Intervention Classroom; (b) integrate the concepts and skills from different prior learning experiences as well as researched based principles in reading, comprehension and writing for educational programming and apply to individual situations; (c) become involved in the routine functions of a classroom teacher including planning, assessment, progress monitoring and collaboration with peers. Course requirements are designed to meet Departmental and Commonwealth standards.
Restrictions: Enrollment is limited to Graduate level students.

SPE 610 SPED Clinical Practicum II (3 credits)
This is a combined seminar/internship experience. This fieldwork experience will provide the candidate with an opportunity for in-depth varied and continuous instruction experiences. The practicum will include a variety of researched based instructional practices, assessment procedures, classroom management strategies and organizational strategies to provide structured opportunities for professional growth and stimulation. These experiences will enable the candidate to (a) apply the knowledge and skills acquired through his/her study and previous experience to actual classroom situations that a teacher will face in a Response to Intervention Classroom; (b) integrate the concepts and skills from different prior learning experiences as well as researched based principles in mathematics and content areas for educational programming and apply to individual situations; (c) become involved in the routine functions of a classroom teacher including planning, assessment, progress monitoring and collaboration with peers. Course requirements are designed to meet Departmental and Commonwealth standards.
Restrictions: Enrollment is limited to Graduate level students.

SPE 611 SPED Lab & Seminar (3 credits)
This 30-hour practicum with additional online course content provides a culminating, clinical experience in which candidates apply theories and concepts learned in prior coursework in authentic teaching environments. Prerequisite: completion of all special education coursework.
Prerequisites: SPE 4805 and SPE 4815 and SPE 4825 and SPE 4885 and SPE 4905 and SPE 4915 or SPE 550 or SPE 602 or SPE 603 or SPE 607 or SPE 606 or SPE 700

SPE 612 Inclusive Classroom Practices (3 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning, and programmatic organization of instruction for children with disabilities in inclusive environments. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; systems management necessary for effective instruction of children with disabilities; and promote an understanding of the underlying theories, issues and methods for managing classroom environments.
Restrictions: Enrollment is limited to Graduate level students.

SPE 612F FE: Teach Inclusive Environments (0 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning, and programmatic organization of instruction for children with disabilities in inclusive environments. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; systems management necessary for effective instruction of children with disabilities; and promote an understanding of the underlying theories, issues and methods for managing classroom environments.
Restrictions: Enrollment is limited to Graduate level students.
SPE 615 F FE: Tching Inclsve Adol Envirnments (3 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades seven through twelfth grades. Course study will include a focus on understanding how adolescent behaviors are influenced by pedagogical practices and classroom environments. While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults.

SPE 616 F Perspect on Gifted/Talented (3 credits)
The purpose of this course is to provide educators and education advocates with the historical and current perspectives in the field of gifted education and talent development. Course topics will include both theoretical foundations - related to theories, models, local and federal policy, and research - and practical considerations - such as identification, differentiation for academically talented students, advocacy, and collaboration with various stakeholders. Additionally, current issues in the field of gifted education and talent development (e.g. identification of traditionally underrepresented populations, service delivery models, etc) will be explored and students will be responsible for identifying relevant and reputable organizations and resources for meeting the needs of academically talented students.

SPE 620 F Fund SE Prac for School Ldrs (3 credits)
This course is a critical study of the contemporary and controversial issues within the field of special education. Emphases will be placed on the role of the supervisor or administrator. Consideration will be given to the philosophical, psychological, and sociological basis of teacher education, including an analytical review of research-based curricula, programmatic innovations, policy issues and their effects, and ethical practices. Discussions will focus on evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services. Restrictions: Enrollment is limited to Graduate level students.

SPE 620 F FE SPED School Leaders (0 credits)
SPE 621 F Law, Pol & Proced for SE Sup (3 credits)
This course is designed to provide an overview of the legal rights of students and their families in the field of special education, with particular focus on the supervisor's role in implementing and monitoring policy and procedures in districts' special education programs. Content covered includes an overview of laws and litigation and the current status of legislation dealing with special education. The American legal system, particularly in respect to special education, the constitutional and statutory provisions of federal and state law, and judicial decisions interpreting those laws are reviewed. This course will focus on the supervisor's role in addressing issues of identification, IEP development and implementation, equal protection, extended school year (and day), functional behavioral analysis, teacher assistants, least restrictive environments, transition, procedural due process, complaint resolution, and substantive due process doctrines to school practices affecting students with disabilities. Additionally, attention will be given to preparation of focus audits, data collection, basic compliance issues, communicating and collaborating with parents and maintaining active parental support groups. Also, case studies will be conducted that deal with issue, rule, analysis and conclusion (IRAC), as a tool to provide a framework for supervisors to rapidly increase their understanding of emerging, complex legal issues. Restrictions: Enrollment is limited to Graduate level students.
Restrictions: Enrollment is limited to Graduate level students.

SPE 621F FE Law/Policy/Procr SPED Supvr (0 credits)

SPE 622 Admin & Supv:Spec Ed Progs (3 credits)
The purpose of this course is to provide the student an opportunity for in-depth understanding of the supervisory and administrative duties for the role of Supervisor of Special Education. This course provides the Special Education Supervisor candidate with a specified professional knowledge-base included in the following aspects of leadership: decision-making, leadership theory, communication skills, human relations theory, administrative theory, policy analysis/evaluation, supervision/assessment practices. Prerequisite: SPE 4805

Restrictions: Enrollment is limited to Graduate level students.

SPE 622F FE SPED Admin & Supervisor (0 credits)

SPE 623 Advanced Fieldwork/Seminar (3 credits)
This is a combined seminar/internship experience. This fieldwork experience will provide the candidate with an opportunity for in-depth varied and continuous administrative experiences. The practicum will attempt to include a blend of all the administrative experiences possible to provide professional growth, maturity and stimulation. These experiences will enable the candidate to (a) apply the knowledge and skills acquired through his/her study and previous experience to actual problem and day-to-day administrative duties faced by a Supervisor of Special Education; (b) integrate the concepts and skills from different prior learning experiences and focus on individual situations; (c) become involved in the routine functions of schools/school districts and Intermediate Units. Course requirements are designed to meet Departmental and Commonwealth standards. SPE 623 is taken as a culminating course by all students seeking Supervisor of Special Education certification. The requirements of this course include 180 clinical hours of fieldwork activities under the supervision of University faculty.

Restrictions: Enrollment is limited to Graduate level students.

SPE 623F FE Advanced Fieldwork/ Seminar (0 credits)

SPE 624 Adv Super & Curr Fieldwork/ Seminar (3 credits)
This is a combined seminar/internship experience. This fieldwork experience will provide the candidate with an opportunity for in-depth varied and continuous administrative experiences. The practicum will attempt to include a blend of all the administrative experiences possible to provide professional growth, maturity and stimulation. These experiences will enable the candidate to (a) apply the knowledge and skills acquired through his/her study and previous experience to actual problem and day-to-day administrative duties faced by a Supervisor of Special Education based on the Educational Leadership course content; (b) integrate the concepts and skills from different prior learning experiences and focus on individual situations; (c) become involved in the routine functions of schools/school districts and Intermediate Units. Course requirements are designed to meet Departmental and Commonwealth standards. The requirements of this course will be a continuation of SPE 623, specifically, an additional 180 hours, for a total of 360 hours of fieldwork activities under the supervision of University faculty.

Restrictions: Enrollment is limited to Graduate level students.

SPE 624F FE Adv Super & Curr Fieldwork/ (0 credits)

SPE 630 Design&Tech Differentiated Ins (3 credits)
This course will provide comprehensive coverage of what is involved in the consideration, assessment and implementation of assistive technology for students with special needs including those with specific learning disabilities found most commonly in regular and special education classrooms today. Additional topics will include current and emerging technologies used to enhance instruction for both regular and special learners; school practices related to technology integration and effective uses of technology in the general and special education classroom.

Restrictions: Enrollment is limited to Graduate level students.

SPE 638 Incl Prac/Stud Teach PK-8 (3 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades K-8 as well as the development of proactive approaches to classroom and school environments. This will enable teachers to increase the amount of academic learning time in which to address the needs of all students in inclusive classrooms to increase achievement. In addition, the course study will include a focus on understanding how behaviors are influenced by pedagogical practices. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.
SPE 638F FE Inclusive ClassPrac/ST K-8 (0 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades K-8 as well as the development of proactive approaches to classroom and school environments. This will enable teachers to increase the amount of academic learning time in which to address the needs of all students in inclusive classrooms to increase achievement. In addition, the course study will include a focus on understanding how behaviors are influenced by pedagogical practices. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.

SPE 639 Incl Prac/Stud Teach 7-12 (3 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades seven through twelfth grades. Course study will include a focus on understanding how adolescent behaviors are influenced by pedagogical practices and classroom environments. While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.
SPE 639F FE Inclusive Class Prac 7-12 (0 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades seven through twelfth grade. Course study will include a focus on understanding how adolescent behaviors are influenced by pedagogical practices and classroom environments.

While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.

SPE 640 Special Ed Student Teaching (2 credits)
SPE 690 Managing Fin & Material Resour (3 credits)
SPE 700 SpecialEd Law/Policy (3 credits)
This course is designed to provide an overview of the legal rights of students and their families in the field of special education. Students will explore the source, history, and current status of special education law. Content covered will include an overview of laws and litigation affecting special education. The American legal system, particularly in respect to special education, the constitutional and statutory provisions of federal and state law, and judicial decisions interpreting those laws are reviewed. This course relates equal protection, procedural due process, and substantive due process doctrines to school practices affecting students with disabilities. Restrictions: Enrollment is limited to Graduate level students.

SPE 701 Cog Proc: Resrch Brain Studies (3 credits)
This course provides an integrative survey of knowledge and research in the cognitive and neurological development of the young mind. The content is designed to connect cognition, neuroscience and educational practice with the critical periods of child development, including language development, visual systems, and psycho-social growth. Attention will be given to the basic structures of the brain and their corresponding dynamic functions, how neurons communicate with each other, and ways that networks of cells function in the vision, memory, and learning processes. The interaction and effects of learning and thinking and how the brain processes, consolidates and internalizes information will be explored. Restrictions: Enrollment is limited to Graduate level students.

SPE 702 Culturally Responsive Teaching (3 credits)
This course is designed to align instruction along with the assets and differential needs of diverse student populations through applying and incorporating multicultural perspectives into the teaching-learning process to maximize the academic, cognitive, personal, and social aspects of student learning. It will provide ways to design and deliver culturally responsive strategies to work with culturally and linguistically diverse students and empower their families in the teaching and learning process. The course focuses on addressing challenges to the reading achievement of culturally, linguistically, and economically diverse students with disabilities. Issues covered will include assessment and intervention, curricula development and social/affective skills related to family, community, values and culture of students from different cultural and ethnic groups. Restrictions: Enrollment is limited to Graduate level students.

SPE 710 WRP: Intro Multisens Lang Inst (1 credit)
This online Wilson introductory course examines the definition of dyslexia and common characteristics, reading research and the five areas of reading in relation to students beyond grade two with persistent phonological coding deficits. Specifically studies the Wilson Reading System® (WRS), including student identification and placement, program implementation, progress monitoring, scheduling, and creating a successful classroom environment; principles of language structure, and how to teach language with direct, multisensory methods. Wilson Reading Certification course. Restrictions: Enrollment is limited to Graduate level students.

SPE 711 WRP: Int Intr- NonRepsRdr 1-3 (3 credits)
This course presents in detail the multisensory structured language instruction that is required for teaching students beyond grade two with word-level deficits who are unresponsive to previous instruction. This online course provides practical application of reading research, with particular emphasis on phonological awareness, phonics and spelling at the beginning levels of decoding and encoding as well as expands upon these concepts with specific instruction in the closed syllable pattern. Provides specific procedures to teach the concepts presented in Wilson Reading System (WRS) Steps 1-3. Additional topics include accuracy and automaticity of word recognition, fluency with decodable and authentic text, vocabulary and listening/reading comprehension at beginning stages of reading. Wilson Reading Certification course. Prerequisite: SPE 710 Restrictions: Enrollment is limited to Graduate level students.
SPE 712 WRP: Int Instr- NonRepsRdr 4-6 (3 credits)
This is a continuation of the Wilson Steps 1-3 on-line course. Presents in detail the multisensory structured language instruction that is required for teaching students beyond grade two with word-level deficits who are unresponsive to previous instruction. This online course provides practical application of reading research, with particular emphasis on phonological awareness, phonics and spelling at the beginning levels of decoding and encoding as well as expands upon these concepts with specific instruction in the vowel-consonant-e, open, and consonant-le syllable patterns. Provides specific procedures to teach the concepts presented in Wilson Reading System® (WRS) Steps 4-6. Additional topics include the ten critical points of the Wilson Reading System, dyslexia, non-controlled text, and handwriting. Wilson Reading Certification course.
Prerequisite: SPE 710 and SPE 711
Restrictions: Enrollment is limited to Graduate level students.

SPE 713 WRP: Int Instr- NonRepsRdrPrac (3 credits)
This course, a supervised practicum, requires identifying and securing a practicum student in grades 4 - 12 with significant word level deficits, selected according to WRS practicum student selection criteria. Although not required, a second practicum student is highly recommended. The practicum entails successful delivery of a minimum of 60 Wilson Reading System (WRS) lessons and teaching mastery through WRS Step 4.2. A Wilson trainer observes the participant working with his/her student five times during the practicum via videoconferencing. Must demonstrate that the teaching plan is based on continuous assessment of the student's needs. *This course is completed over two semesters, generally spanning one academic year. Prerequisite: SPE 710 and completion of/ or concurrent enrollment in SPE 711/SPE 712. Please Note: Although completion of SPE 710, SPE 711, SPE 712 and SPE 713 are required for WRS Level I Certification, certification is not guaranteed and is dependent upon successful fulfillment of all Wilson requirements.
Restrictions: Enrollment is limited to Graduate level students.

SPE 720 Intro ASD: Caus Diag & Advoc (3 credits)
This course will provide candidates with an introduction to Autism Spectrum Disorders (ASD). With the increase in the number of individuals being diagnosed with ASD, this course will examine the challenge ASD presents to families, educators, students, related service providers, advocates, and policy makers. Course content will include an overview of ASD; family issues and challenges; ASD screening, diagnosis and assessment; an overview of intervention and treatment approaches; accessing appropriate supports and services; policy issues; advocacy and the experience of individuals living with ASD. Autism Spectrum Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 720F FE Intro to ASD (0 credits)
This course will provide candidates with an introduction to Autism Spectrum Disorders (ASD). With the increase in the number of individuals being diagnosed with ASD, this course will examine the challenge ASD presents to families, educators, students, related service providers, advocates, and policy makers. Course content will include an overview of ASD; family issues and challenges; ASD screening, diagnosis and assessment; an overview of intervention and treatment approaches; accessing appropriate supports and services; policy issues; advocacy and the experience of individuals living with ASD. Autism Spectrum Disorder Specialist Endorsement course.

SPE 721 Aug & Alt Com & Soc Stratg (3 credits)
This course will focus on a wide range of current research and evidence-based practices in the area of Augmentative and Alternative Communication (AAC) as it is implemented to increase, improve, and maintain functional communication skills of students with Autism Spectrum Disorder (ASD). In addition, specific strategies and techniques to address socialization skills for individuals with ASD as well as their communication partners will be addressed. Case studies, discussions, and activities will be utilized to personalize these strategies and techniques. Autism Spectrum Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 721F FE Aug & Alt Com & Soc Stratg (0 credits)
This course will focus on a wide range of current research and evidence-based practices in the area of Augmentative and Alternative Communication (AAC) as it is implemented to increase, improve, and maintain functional communication skills of students with Autism Spectrum Disorder (ASD). In addition, specific strategies and techniques to address socialization skills for individuals with ASD as well as their communication partners will be addressed. Case studies, discussions, and activities will be utilized to personalize these strategies and techniques. Autism Spectrum Disorder Specialist Endorsement course.

SPE 722 Evid Based Prac: AI&I Method (3 credits)
This course will provide comprehensive coverage of the importance of using evidence-based practice in assessment, instruction, and implementation of interventions for individuals with Autism Spectrum Disorder (ASD). Course content will include identifying the legal basis and requirements for evidence-based practice; a review of how to locate and evaluate evidence in the literature base; a review of the theoretical basis of, and evaluation of the empirical evidence for screening and assessments; a review of the theoretical basis of, and evaluation of the empirical evidence for screening and assessments; the continuum of interventions from traditional behavioral to social-developmental-pragmatic; comprehensive program approaches; and instructional strategies in the classroom. Additional topics will include the use of medical, dietary, and sensory interventions in the schools; pseudoscience and fad interventions; and finding the middle ground between parents and professionals in the decision-making process. Autism Spectrum Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 722F FE Evid Based Prac AI&I Method (0 credits)
This course will provide comprehensive coverage of the importance of using evidence-based practice in assessment, instruction, and implementation of interventions for individuals with Autism Spectrum Disorder (ASD). Course content will include identifying the legal basis and requirements for evidence-based practice; a review of how to locate and evaluate evidence in the literature base; a review of the theoretical basis of, and evaluation of the empirical evidence for screening and assessments; a review of the theoretical basis of, and evaluation of the empirical evidence for screening and assessments; the continuum of interventions from traditional behavioral to social-developmental-pragmatic; comprehensive program approaches; and instructional strategies in the classroom. Additional topics will include the use of medical, dietary, and sensory interventions in the schools; pseudoscience and fad interventions; and finding the middle ground between parents and professionals in the decision-making process. Autism Spectrum Disorder Specialist Endorsement course.
SPE 723 Autism: Behv Manag Approaches (3 credits)
This course will examine and introduce the major therapies/educational interventions that have been developed to treat autism and related pervasive developmental disorders. Applied behavior analysis (ABA), an empirically-validated treatment for individuals with autism and related disabilities will be discussed in detail. In addition, other emerging treatments including Greenspan, Relationship Development Intervention, and the principles of Positive Behavioral Supports (PBS) in Universal Design for Learning (UDL) will be examined in relation to ABA. In addition, scientific criteria will be compared to pseudoscientific criteria for various interventions. This course is relevant for both novices and experienced practitioners in the field of autism treatment. Autism Spectrum Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 723F FE Aut: Behv Manag Approaches (0 credits)
This course will examine and introduce the major therapies/educational interventions that have been developed to treat autism and related pervasive developmental disorders. Applied behavior analysis (ABA), an empirically-validated treatment for individuals with autism and related disabilities will be discussed in detail. In addition, other emerging treatments including Greenspan, Relationship Development Intervention, and the principles of Positive Behavioral Supports (PBS) in Universal Design for Learning (UDL) will be examined in relation to ABA. In addition, scientific criteria will be compared to pseudoscientific criteria for various interventions. This course is relevant for both novices and experienced practitioners in the field of autism treatment. Autism Spectrum Disorder Specialist Endorsement course.

SPE 726 American Sign Language I (3 credits)

SPE 730 Ed Found - Deaf & Hard of Hear (3 credits)
This course introduces basic concepts for the education of students who are deaf and hard of hearing. Topics covered will include the social construction of deafness and hearing loss; language acquisition and literacy development in children who are deaf and hard of hearing; educational philosophies and approaches; sign language systems in education; assistive technology including cochlear implants; placement options; supports for inclusive practices; and specially designed instruction, including adaptations for students who are deaf and hard of hearing and children with additional special needs.
Restrictions: Enrollment is limited to Graduate level students.

SPE 730F FE Foundations-Deaf Hard of He (0 credits)
This course introduces basic concepts for the education of students who are deaf and hard of hearing. Topics covered will include the social construction of deafness and hearing loss; language acquisition and literacy development in children who are deaf and hard of hearing; educational philosophies and approaches; sign language systems in education; assistive technology including cochlear implants; placement options; supports for inclusive practices; and specially designed instruction, including adaptations for students who are deaf and hard of hearing and children with additional special needs.

SPE 731 Lang, Lit & Comm Dev-Deaf & HH (3 credits)
This course will introduce students to the components of language, normal developmental sequences in children, and the impact of hearing loss upon language acquisition. Auditory and visual strategies for facilitating language acquisition among students who are deaf and hard of hearing will be included, as will protocols for integrating language instruction into academic content area instruction. Students will be introduced to the array of communication options available to families of children who are deaf and hard of hearing, early communication behaviors expressed by young children, and strategies for supporting families making communication decisions. The course will examine the components of literacy in conjunction with characteristics of scientifically-based reading research and principles of effective instruction. Students will examine reading programs created for students who are deaf and hard of hearing, create lesson plans, select websites and technology tools available online to support these lessons, practice using scoring rubrics, and develop personal plans for expanding their own communication skills over the course of the next year.
Restrictions: Enrollment is limited to Graduate level students.

SPE 731F FE Lang/Lit/Comm For DHH (0 credits)
This course will introduce students to the components of language, normal developmental sequences in children, and the impact of hearing loss upon language acquisition. Auditory and visual strategies for facilitating language acquisition among students who are deaf and hard of hearing will be included, as will protocols for integrating language instruction into academic content area instruction. Students will be introduced to the array of communication options available to families of children who are deaf and hard of hearing, early communication behaviors expressed by young children, and strategies for supporting families making communication decisions. The course will examine the components of literacy in conjunction with characteristics of scientifically-based reading research and principles of effective instruction. Students will examine reading programs created for students who are deaf and hard of hearing, create lesson plans, select websites and technology tools available online to support these lessons, practice using scoring rubrics, and develop personal plans for expanding their own communication skills over the course of the next year.

SPE 732 Curr, Inst & Lrn Env-Deaf & HH (3 credits)
This course will examine and introduce the major therapies/educational interventions that have been developed to treat autism and related pervasive developmental disorders. Applied behavior analysis (ABA), an empirically-validated treatment for individuals with autism and related disabilities will be discussed in detail. In addition, other emerging treatments including Greenspan, Relationship Development Intervention, and the principles of Positive Behavioral Supports (PBS) in Universal Design for Learning (UDL) will be examined in relation to ABA. In addition, scientific criteria will be compared to pseudoscientific criteria for various interventions. This course is relevant for both novices and experienced practitioners in the field of autism treatment. Autism Spectrum Disorder Specialist Endorsement course.

Restrictions: Enrollment is limited to Graduate level students.
SPE 732F FE Curric/Instruct/ DHH (0 credits)

SPE 733 List & Spk Skills - Deaf & HH (3 credits)
This course will provide information regarding the etiology and age of onset of hearing loss, anatomy and physiology of the hearing mechanism, degree and type of hearing loss, and interpretation of audiological results. The course will also offer information on auditory skill development, the utilization of various forms of amplification including hearing aids, cochlear implants, and FM systems, and the relationship of classroom acoustics to auditory access. Additionally, information in the area of spoken language development will be provided, including speech sound acquisition, development of vocabulary, syntax and pragmatics, and the relationship of listening and spoken language to literacy.

Restrictions: Enrollment is limited to Graduate level students.

SPE 733F FE Listen/Speak Skills DHH (0 credits)
This course will provide information regarding the etiology and age of onset of hearing loss, anatomy and physiology of the hearing mechanism, degree and type of hearing loss, and interpretation of audiological results. The course will also offer information on auditory skill development, the utilization of various forms of amplification including hearing aids, cochlear implants, and FM systems, and the relationship of classroom acoustics to auditory access. Additionally, information in the area of spoken language development will be provided, including speech sound acquisition, development of vocabulary, syntax and pragmatics, and the relationship of listening and spoken language to literacy.

SPE 734 Sign Comm in Instruct Settings (3 credits)
This course introduces and expands upon the use of a variety of sign languages and sign communication systems in instructional settings. Among the topics covered are the history and structure of American Sign Language (ASL), the nature and characteristics of artificial sign systems developed to represent English and hybrid systems such as those described as "contact signing." The parameters and use of fingerspelling as an educational tool will also be included. Various philosophies and methodologies of incorporating sign communication in educational settings will be covered. Students will be exposed to the appropriate use of sign languages and sign systems in instructional settings and how they may be used to enhance learning by deaf and hard of hearing students.

Restrictions: Enrollment is limited to Graduate level students.

SPE 734F FE Sign Comm in Instr Setting (0 credits)
This course introduces and expands upon the use of a variety of sign languages and sign communication systems in instructional settings. Among the topics covered are the history and structure of American Sign Language (ASL), the nature and characteristics of artificial sign systems developed to represent English and hybrid systems such as those described as "contact signing." The parameters and use of fingerspelling as an educational tool will also be included. Various philosophies and methodologies of incorporating sign communication in educational settings will be covered. Students will be exposed to the appropriate use of sign languages and sign systems in instructional settings and how they may be used to enhance learning by deaf and hard of hearing students.

SPE 739F FE Student Teach & Prof Sem (0 credits)

SPE 739 Student Teach & Prof Seminar (6 credits)
This is an individually designed field experience under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for students seeking the Hearing Impaired (N-12) certification (PA). It approximates full-time working/teaching experience for one full semester. At the conclusion of this experience, students must have demonstrated proficiencies in instructional management and specially designed instruction, student engagement and motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, integrating reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, communicating effectively with students and staff members who are deaf or hard of hearing in their preferred languages and modes of communication, the identification of instructional resources, assessment of student achievement, the development of IEP goals and objectives, management of amplification systems, assessment and development of listening and spoken language skills, consultation with regular classroom teachers, modification of the classroom acoustic environment, and development of student compensating strategies. The fieldwork course is typically the final course in a certification sequence. Includes a weekly online seminar session. Prerequisites: SPE 600, 608, 612, 730, 731, 732, 733, 734

Restrictions: Enrollment is limited to Graduate level students.

SPE 739F FE Student Teach & Prof Sem (0 credits)

SPE 799 Intern/Student Teaching (0 credits)

Organizational Development and Leadership

ODL 200 Career & Personal Development (3 credits)
This course takes the student through a systematic and integrative process of examining eight research-supported "critical factors for success" as they apply to oneself and one's career. This course will be partially didactic, while being primarily small group oriented, experiential and self-reflective. No prerequisites.

Attributes: Undergraduate

ODL 300 Organizational Development (3 credits)
A behavioral science perspective on the causes and outcomes of individual and group behavior in organizations, and of the behavior of organizations. Topics will include motivation, attitudes, interpersonal processes, leadership, and macro-organizational behavior. Prerequisite: PSY 100 or permission of instructor.

Prerequisites: (PSY 1005 or PSY 1001 or PSY 100 or PSY 101 or PSY 1011)

Restrictions: Enrollment is limited to PLS/HDC level students.

Attributes: Undergraduate

ODL 310 Group & Team Dynamics (3 credits)
Almost all of our behavior takes place in the presence of other people. A number of small group practitioners and researchers have presented explanations for the why and how of individual behavior in group and team settings. Through the vehicle of the class as laboratory students will experientially examine a number of theories and concepts about individual behavior in group/team settings. Students through class discussions will learn to observe, understand, examine and influence team and group development. Prerequisite: PSY 100 or permission of instructor.

Prerequisites: PSY 1005 or PSY 1001 or PSY 100 or PSY 101

Restrictions: Enrollment is limited to PLS/HDC level students.

Attributes: Undergraduate
ODL 320 Leadership & Development (3 credits)
In this course, participants will review and discuss current applicable social science literature in an attempt to answer some of the following questions: Who is a leader? What is leadership? Does effective leadership originate in a person or in a set of actions or behaviors? What do we know about developing leaders? How do the constraints of organizations inhibit or facilitate leadership development? What is your current leadership style? These and related questions will be examined by class members through lectures, case studies, self-assessments, and experiential activities. Prerequisite: PSY 100.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 330 Issues in Organizational Development (3 credits)
Selected issues in the field such as change agency, emotional intelligence, assessment, group and interpersonal processes, job enrichment, selection, and placement will be discussed. Small groups, role-playing, and other experiential exercises will clarify important concepts in the field. Prerequisite: ODL 300.
Prerequisites: ODL 300
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 340 Coaching & Consulting (3 credits)
Roles, functions, tools and settings that define a consulting psychologist will be explored with an emphasis on the corporate world. Small groups, role-playing, videos and other experiential exercises will clarify and supplement readings, research and discussion. Prerequisites: PSY 100 or permission of the instructor.
Prerequisites: ODL 300 and ODL 320
Attributes: Undergraduate

ODL 350 Organizational Research (3 credits)

ODL 400 Cap Proj - Org Development (3 credits)
This course serves as a senior-level, research-based capstone in which organizational development students complete a research project typically developed in the Issues in Organizational Development course. Students will present and orally defend their research project to the Organizational Development and Leadership faculty. Prerequisite: ODL 330.
Prerequisites: PSY 2725 or ODL 330
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 600 Adult Learning: Theory & App (3 credits)
Course introduces students to adult education theory that focuses on how adults learn, application of adult education theory, skills required in the delivery of adult learning programs and an introduction to group process. Students have an opportunity to develop a professional learning theory and model. Students also discover their learning style and how style impacts their ability to use their theory and model. Use of feedback as a tool for learning allows students to realize how to improve their facilitation approach. ALT Concentration Requirement
Restrictions: Enrollment is limited to Graduate level students.

ODL 605 Performance Consulting (3 credits)
Course presents to the Organization Development and Leadership professional the practical tools necessary to measure and evaluate the effectiveness of learning and change programs. A specific technology is presented in a step-by-step approach, which links the collaborative consulting process with performance assessment. The course focuses on increasing students’ ability to communicate and work with leaders in their organizations. ALT and OPD Concentration Requirement
Restrictions: Enrollment is limited to Graduate level students.

ODL 610 Adult Learning Methods (3 credits)
Major delivery methods and techniques that foster adult learning are discussed and demonstrated. Key elements are discussed that allow students to effectively facilitate adult learning methods that enhance individual and group learning. Emphasis is placed on student participation that fosters experiential learning. Impact of communication style on delivery effectiveness is also discussed. Some methods include case studies, role-plays, small groups, games, simulations, questioning techniques and icebreakers. ALT Concentration Requirement.
Prerequisite: ODL 600.
Prerequisites: ODL 600
Restrictions: Enrollment is limited to Graduate level students.

ODL 615 Learning Design & Implementation (3 credits)
Major steps in creating and designing adult education learning programs are discussed. Students develop a program that demonstrates their understanding of the key components of instructional design. Specific topics include collaborative relationships with customers/management, needs assessment, analyzing data, writing learning objectives, cost effectiveness of programs, selecting and sequencing content, developing learning materials and constructing evaluative instruments. ALT Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.

ODL 618 e-Learning Design (3 credits)
Technological innovations are increasingly being used in training and development programs. Through the lens of adult learning theory, students will assess online learning needs, develop online modules, create online communities of learning and become familiar with the language and best practices associated with eLearning program development. (Pre-requisite: ODL 600 or permission from Director).
Prerequisites: ODL 600
Restrictions: Enrollment is limited to Graduate level students.

ODL 620 Psychological Assessments (3 credits)
The psychological theories and practices underlying a wide variety of instruments used in assessing individual and group behavior in organizations will be examined. Issues and topics will include employee selection, performance, ability, attitude and development. Participants learn how to critically evaluate measures to answer organizational issues. OPD Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.

ODL 625 Psych of Executive Coaching (3 credits)
Executive Coaching has become a staple within many organizations. Executive Coaching is essentially a purposeful, relational intervention based in psychosocial concepts that leads to new and more complex level of functioning in one party. This course primarily assists the student in further development of their coaching skills and models while also examining coaching models, underlying constructs, skills and relevant coaching research. OPD Concentration Requirement, or ODL 680.
Restrictions: Enrollment is limited to Graduate level students.

ODL 630 Leadership & Team Development (3 credits)
Course focuses on theories and practices required in leading and developing teams. Issues of leadership behavior, interpersonal relations, group roles and stages of development are examined in an experiential laboratory. OPD Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.
ODL 635 Positive Org Psych & Scholarship (3 credits)
This course will provide you with a grounding in the theories and applications of positive organizational and organizational psychology. The core premise of this course is that leadership and personal scholarship excellence are fundamentally tied to creating/enabling organizational contexts that build human strengths as well as unlock the positive and generative dynamics of vibrant human communities. This course will help you to create, foster, and develop organizations where people learn to thrive and perform at their best.
Restrictions: Enrollment is limited to Graduate level students.

ODL 640 Talent Dev & Mgt in Modern Org (3 credits)
An overview course that focuses on the emerging trend of talent management with a specific focus on how talent development, learning and training aligns with organizational strategy. Topics include areas like coordinating individual’s goals and organizational goals, positioning the learning function, and positioning yourself for a leadership position through talent development.
Restrictions: Enrollment is limited to Graduate level students.

ODL 642 Facilitating Adult Learning (3 credits)
Adult learning, as it relates to training/organization development, involves a combination of facilitation and presentation skills. Course focuses on strategies that increase students’ ability to interact with individuals and groups in these areas. Impromptu and planned presentations are audio taped and videotaped for students to receive constructive feedback. Facilitation techniques include managing question-and-answer sessions, dealing with resistive participants, and getting stalled sessions/groups going.
Restrictions: Enrollment is limited to Graduate level students.

ODL 644 Ldshp Dev Methods for Training (3 credits)

ODL 645 Leadership Principles (3 credits)
An introductory experiential course that acquaints the learner with the role and activities of being a leader in an organization. Management styles as well as key practices such as planning, decision making, change, conflict, motivation, group dynamics and control are discussed through interactive exercises.
Restrictions: Enrollment is limited to Graduate level students.

ODL 646 Career Dev Theory & Practice (3 credits)
Course provides students with an experiential understanding of the process of career development. Through a primarily experiential approach, where students craft their own career vision, students have an opportunity to engage key concepts in the field of career development. In addition, topics such as assessment, gender, choice, interventions and career management are experienced and discussed.
Restrictions: Enrollment is limited to Graduate level students.

ODL 647 Appreciative Inquiry (3 credits)
Appreciative Inquiry (Ai) is a methodology (and philosophy) for system intervention. Instead of examining what is wrong with a system and devising ways to fix it, Ai discovers what is right with a system and engages stakeholders to amplify and build upon that positive core and spurs innovation. Prerequisite: ODL 605 for ALT and OPD Concentrations, No Pre requisites for ODL Concentration
Restrictions: Enrollment is limited to Graduate level students.

ODL 648 Conflict & Negotiation (3 credits)

ODL 650 Organizational Leadership (3 credits)
This course provides a foundation for leadership competencies and characteristics necessary for guiding organizations. Students will use self-awareness tools grounded emotional intelligence developed especially for organizational leaders. Students will deepen their understanding of traditional and contemporary leadership research, theories and practices; and, explore the organizational contexts where work, management and leadership happen. Students will examine the responsibility that comes with leadership through readings, lectures, small group interactions and an online self-development process. This foundational course provides the framework for other online course work by establishing a community of learners.
Restrictions: Enrollment is limited to Graduate level students.

ODL 655 Org Change & Culture (3 credits)
Studying an organization’s culture is essential to any successful change effort. This course will enable students to study organizational theories, systems thinking, and the relationship between cultural issues and successful change implementation. They will experiment with taking on the role of a change agent through simulations, case studies, and studying the culture and changes in their own work place.
Restrictions: Enrollment is limited to Graduate level students.

ODL 660 Strategic Leadership (3 credits)
Consulting, advising, educating and coaching leaders necessitates a knowledge and understanding of the learning process and how that translates into strategy for changing any human social environment. In Strategic Leadership you will get a chance to broaden your knowledge and expand your leadership development toolkit as a leader and an educator of leaders. Specific strategies are considered and students begin to explore new ways of looking at leadership and their own behaviors in order to successfully implement strategies. Students have will have the opportunity to engage with a group of other students in an action research project and participate in a skill weekend where they reflect on the assumptions underlying their leadership actions.
Restrictions: Enrollment is limited to Graduate level students.

ODL 665 Leading Teams (3 credits)
A big part of organizational life takes place in groups. This course focuses on theories of group dynamics and development and the application to team membership and leadership. Facilitating teams, assessing the development of a team, influencing groups, group roles and group decision-making processes and the dynamics of creating effective virtual teams will all be explored. Students will work in teams in this class and will integrate class learning with their work experience on teams.
Restrictions: Enrollment is limited to Graduate level students.

ODL 668 Social Media & Learning (3 credits)

ODL 670 Strategic Leader Ethics & Values (3 credits)
Thinking strategically about your own development and the development of others is critical to your personal development and your ability to develop others. Leading at the next level requires knowledge and understanding of organizational vision, mission, values, ethics and communication. You will explore the impact of ethics and values on decision-making and organizational effectiveness. Students have the opportunity to focus on a particular area of organizational life and explore the impact of communications, perceptions, behaviors, culture, and current events on the outcomes of projects and initiatives. Pre-Requisites ODL 650 and ODL 655 or permission from Director.
Prerequisites: ODL 655 and ODL 650
Restrictions: Enrollment is limited to Graduate level students.
ODL 675 Implementing Change (3 credits)
Course aids students in designing and effectively implementing change programs and projects while achieving and sustaining performance. Students have an opportunity to create a change model from both experience and research. Major issues impacting change will be discussed including understanding resistance and techniques to overcome resistance to change. 
Restrictions: Enrollment is limited to Graduate level students.

ODL 680 Coaching & Mentoring Skills (3 credits)
This interactive course provides students with the opportunity to learn coaching skills. Specific topic areas include giving and receiving feedback, identifying and understanding communication style preferences, learning how to listen for the "real issues." This course is aligned with the competencies of the International Coach Federation (ICF) and can be applied to professional coaching portfolio hours. 
Restrictions: Enrollment is limited to Graduate level students.

ODL 685 Sem in Global Organ Issues (3 credits)
Learning to work across the boundaries of culture, opinions, language, ideas and time zones takes practice, experience, empathy and a sense of adventure. This Seminar in Global Leadership is offered in that spirit to give graduate students the opportunity to do a deep dive into other environments, exposure to multinational organizations like the United Nations, NGO’s, Schools, corporations, health systems etc. and to both study and get first hand exposure to training and leadership development functions, and what it takes to manage, facilitate and develop positive human development strategies from a multinational perspective. We will look at global learning and leadership at the individual, organization, national, regional and global levels. 
Restrictions: Enrollment is limited to Graduate level students.

ODL 686 Global Leadership (3 credits)
There is no better way to learn about cultural diversity and working in a multinational society than to actually travel to another country. The Study Tour Course includes 9 days in another country and pre work to prepare for the trip and post tour projects. This is a deeply experiential program with a focus on cultural diversity in a variety of education, business and social justice settings. The students will get a chance to network and learn from professionals in other countries.

ODL 688 Social Media & Learning (3 credits)
The course will examine the relationship between learning and social media. Current trends and use of social media in training, education, marketing, product development, data collection, customer service, and networking are some of the topics that will be covered. Students will discuss and evaluate uses of social media in informal social networking and formal knowledge management learning settings. Students will critique their own organization’s culture and values around learning and social media and the challenges and opportunities they pose.

ODL 690 Creative Problem Solving (3 credits)
Creative problem solving is an essential skill for people working in complex organizations. Creative thinkers reflect on the assumptions underlying actions and consider new ways of looking at and living in the world. They use methods to identify new alternatives. This course is a comprehensive guide for making worthwhile, influential and creative contributions at work. Students have an opportunity to identify and overcome personal and organizational barriers to develop breakthrough thinking. 
Restrictions: Enrollment is limited to Graduate level students.

ODL 695 Org Change: A Gestalt Approach (3 credits)
This course will focus on the Gestalt Model in organizational change consulting. Students will learn a powerful new perspective that recognizes behavior and interactions of systems, rather than individuals, creating new and dynamic possibilities for intervention. A theoretical and practical framework will be taught for high-impact consulting in organizations, exploring critical dilemmas and offering opportunities to practice new skills. This course will benefit students who wish to understand and develop process consultation skills while learning a new framework for managing change. Approved by International Coaching Federation (ICF) for coach accreditation hours. Prerequisite: ODL 605 for ALT and OPD Concentrations, No Pre requisites for ODL Concentration 
Restrictions: Enrollment is limited to Graduate level students.

ODL 700 Org Dev Theory & App (3 credits)
Course presents an overview of the fundamental components of organization development. Case studies are discussed and analyzed to demonstrate the fundamental components of OD. Practical skills and approaches are studied, such as change techniques and strategies, influence methods in dealing with leaders and consulting/learning models. Focus of course helps students implement successful learning or change programs in their organization. Topics of discussion include developing sponsorship, action research methods, survey feedback approaches, and dealing with conflict. Prerequisite: ODL 650 and 655 or Permission from Director. 
Prerequisites: ODL 650 and ODL 655
Restrictions: Enrollment is limited to Graduate level students.

ODL 705 Facilitating Org Development (3 credits)
This course includes an overview of how skilled facilitation helps individuals and groups learn and change within organizations. This course is part of a yearlong journey in which students immerse themselves in learning new skills to lead change. Students have an opportunity to practice organization development skills and learn new methods in helping individuals and groups learn to change. Participants learn to effectively use their own behaviors to influence others in creating work environments that foster collaborative, open problem solving, dealing with differences and participative decision making. (Prerequisites for ALT and ORG Psych: All Core Courses).

ODL 710 Interven Skills: Strat & Desgn (3 credits)
Students have an opportunity to complete a project demonstrating action research methodology. Course centers on understanding how to use interventions and the impact that interventions can have within an organizational setting. Students have an opportunity to design and facilitate interventions both in class and in their organization to assure the successful implementation of change and/or that individual learning takes place within their project. Prerequisite: ODL 705 
Prerequisites: ODL 705
Restrictions: Enrollment is limited to Graduate level students.

ODL 750 Change Leader:Facilitating Chg (6 credits)
This is a 6-credit Residency specifically required for students signing up for the online ODL program. The course is designed to be a transformative experience that builds on all of the preceding courses. It will provide real-time community interaction, face-to-face feedback, and opportunities to lead change experiments. During this residency, students learn how to close the gap between knowing and doing through specific teaching and learning strategies. The program is organized into a series of clinics focusing on areas like facilitative leadership, team leadership, implementing change, and power and authority dynamics. Prerequisite: ODL 650 or permission form Director. 
Prerequisites: ODL 650
ODL 770 Special Topics in ODL (3 credits)
ODL 775 Capstone Seminar (3 credits)
ODL 780 Research Design & Eval (3 credits)
The course helps students design and evaluate research in their respective organization or field of study. Methods are presented for application to work situations. Topics include: the similarities and differences between theoretical and applied research, use of data-gathering techniques, writing of research reports and evaluation methods for change, learning, and research projects. Prerequisite: Completion of Foundation Courses. Required for ALT and OPD concentration.
Restrictions: Enrollment is limited to Graduate level students.
ODL 785 Advanced Seminar (3 credits)
A capstone course and the last course taken in the Organization Development and Leadership Graduate Program. Course provides students the opportunity to complete a professional paper on a topic/issue of their choice utilizing research methods and statistics. Students also complete an independent/group project leading to the design and facilitation of a learning or change project. Prerequisite: ODL 780.
Prerequisites: ODL 780 (may be taken concurrently)
Restrictions: Enrollment is limited to Graduate level students.

**Autism Spectrum Disorder Specialist Endorsement**

**Goals and Objectives**

**Goal 1:** Students will demonstrate knowledge of the characteristics and etiology of ASD

**Objective 1.1:** The student will describe the defining characteristics of and diagnostic criteria for the various Autism Spectrum Disorders and other associated disorders, including common manifestations within communication and verbal behavior, social skills and social adaptation, repetitive and stereotypical behaviors, and patterns of responses to various sensory stimuli.

**Objective 1.2:** The student will identify and describe various diagnostic instruments and procedures, including their strengths and limitations.

**Goal 2:** Students will demonstrate an understanding of the use of assessment for instructional planning

**Objective 2.1:** The student will plan, structure, and conduct assessment for students with ASD.

**Objective 2.2:** The student will identify and demonstrate acceptable accommodations and appropriate adaptations to state- and district-wide assessments for students with ASD.

**Goal 3:** Students will demonstrate the ability to plan instructional interventions and methods across settings and grade levels.

**Objective 3.1:** The student will describe, interpret, utilize, and evaluate instructional strategies based on the principles of applied behavior analysis.

**Objective 3.2:** The student will demonstrated the ability to organize classroom teams to provide effective intervention and instruction by developing and managing a daily schedule for students and multiple staff that specifies appropriate levels.

**Goal 4:** Students will demonstrate the skills necessary to effectively collaborate with families, agencies, and the community

**Objective 4.1:** The student will demonstrate the ability to facilitate family and school collaboration by demonstrating sensitivity to the range of the impact that ASD may have on the family system.

**Objective 4.2:** The student will identify various agencies and community systems that support students with ASD in home, community, and work settings.

(12 credits) - Online

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPE 720/720F</td>
<td>Intro ASD: Caus Diag &amp; Advoc</td>
<td>3</td>
</tr>
<tr>
<td>SPE 721/721F</td>
<td>Aug &amp; Alt Com &amp; Soc Stratg</td>
<td>3</td>
</tr>
<tr>
<td>SPE 722/722F</td>
<td>Evid Based Prac: Al&amp;I Method</td>
<td>3</td>
</tr>
<tr>
<td>SPE 723/723F</td>
<td>Autism: Behv Manag Approaches</td>
<td>3</td>
</tr>
</tbody>
</table>

F courses are those that have a field assignment

**Early Childhood/Elementary Education Pre-kindergarten-4th grade B.L.S.**

Frank M. Bernt, PhD., Professor and Chair
Teacher Education Department
220 Merion Hall
610-660-1274
fbernt@sju.edu

The undergraduate Teacher Education programs are built upon a strong liberal arts curriculum provided through the General Education Program (GEP) at Saint Joseph's University. This enables students to integrate their understanding of interdisciplinary content with an understanding of child and adolescent learning.

Students balance theory and practice in teaching related courses. Most education courses provide students with the opportunity to investigate theory and research while participating in field experiences in local schools.

**B.L.S. Early Childhood Education PK-4: Learning Goals and Objectives**

**Goal 1:** The student will demonstrate an understanding of learner development.

**Objective 1.1:** The student will explain how learning occurs—how learners construct knowledge, acquire skills and develop disciplined thinking processes.

**Objective 1.2:** The student will identify readiness for learning and explain how development in one area may affect performance in others.

**Goal 2:** The student will demonstrate an understanding of learning differences.

**Goal 3:** The student will demonstrate an understanding of the central concepts of PK-4 teaching.
**Objective 3.1:** The student will identify and describe major concepts, assumptions, debates, processes of inquiry, and ways of knowing that are central to PK-4 teaching.

**Objective 3.2:** The student will identify and describe PK-4 content standards and learning progressions.

**Goal 4:** The student will plan instruction that supports PK-4 student learning.

**Objective 4.1:** The student will plan for instruction based on appropriate curriculum goals and content standards.

**Objective 4.2:** The student will plan instruction that is responsive to the identified strengths and needs of individual learners.

**Goal 5:** The student will demonstrate understanding and effective use of multiple methods of assessment.

**Objective 5.1:** The student will define and interpret types of valid and reliable education assessments (including screening, diagnostic, formative, summative, and authentic) and identify principles of their effective use.

**Objective 5.2:** The student will analyze and interpret assessment data to identify patterns and gaps in learning, to guide planning and instruction, and to provide meaningful feedback to all learners and their guardians.

**Goal 6:** The student will demonstrate an understanding of educating for social justice.

**Objective 6.1:** The student will describe key elements of interacting positively and respectfully with those of different racial, ethnic, language and socioeconomic backgrounds and sexual orientations.

**Objective 6.2:** The student will identify and describe practices and policies that reinforce inequalities and that undermine PK-4 student learning, as well as what can be done to challenge such practices in order to create a more just society.

Students admitted prior to Summer 2016 entered under the curriculum requirements for the BS in Early Childhood/Elementary Education Pre-kindergarten-4th Grade. Please see the SJU Academic Catalog for your admit year for additional information.

### General Education Program Courses
(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 151</td>
<td>Develop, Cognition, &amp; Learning</td>
<td>3</td>
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</tbody>
</table>

### GEP Integrative Learning Component
Two courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPE 160/160F</td>
<td>Intro to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>HIS 201</td>
<td>American History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>or HIS 202</td>
<td>American Hist. 1865 to Present</td>
<td>3</td>
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</tbody>
</table>

### Major Requirements

**List of Courses:** "F" courses are those that have a field assignment

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDU 121</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>EDU 151/151F</td>
<td>Develop, Cognition, &amp; Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDU 155/155F</td>
<td>Foundations of Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>EDU 160</td>
<td>Schools in Society</td>
<td>3</td>
</tr>
<tr>
<td>&amp; 160F</td>
<td>and FE Schools in Soc(preK-4/4-8)</td>
<td>2</td>
</tr>
<tr>
<td>EDU 231</td>
<td>Assessment and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>EDU 232/232F</td>
<td>Reading Literature I</td>
<td>3</td>
</tr>
<tr>
<td>EDU 240/240F</td>
<td>Reading Literature II</td>
<td>3</td>
</tr>
<tr>
<td>EDU 242/242F</td>
<td>Tech Enhncd Curr &amp; Instrs PK-8</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246/246F</td>
<td>Literacy, Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>EDU 362/362F</td>
<td>Social Studies Thru Arts PK-4</td>
<td>3</td>
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<tr>
<td>EDU 363/363F</td>
<td>Science Methods PK-4</td>
<td>3</td>
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<tr>
<td>EDU 365/365F</td>
<td>Math &amp; Technology (PreK-4)</td>
<td>3</td>
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<tr>
<td>SPE 160/160F</td>
<td>Intro to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPE 200/200F</td>
<td>Teaching in Inclusive Environ</td>
<td>3</td>
</tr>
<tr>
<td>EDU 379</td>
<td>Family, School &amp; Community</td>
<td>3</td>
</tr>
<tr>
<td>EDU 495</td>
<td>Student Teaching ECE</td>
<td>12</td>
</tr>
</tbody>
</table>

1. Also satisfies the GEP Social/Behavioral Science requirement
2. EDU 140 Public Schools & Social Equality in Urban Environments may substitute for this course

### Minor in Educational Studies

PLS students may pursue a minor in Educational Studies. For minor requirements, please see the Undergraduate Programs Education section of the catalog. Please note that the Educational Studies minor does not prepare students for teacher certification.

### Applying to the SJU Teacher Certification Program

All Education majors must apply to the SJU Teacher Certification Program to be eligible for PA Teacher Certification upon completion of their degree. This separate application process and the admission requirements are explained below. The application process for admission into the SJU Teacher Certification Program begins when a student is nearing completion of 45 credits towards his/her degree. The advisor will provide the student information regarding the application process. The candidate must complete the application and requirements for admission before earning 60 credits. Transfer students entering with more than 45 transfer credits must complete the application and requirements for admission to the SJU Teacher Certification Program in their first semester at SJU. Completed applications for admission into the SJU Teacher Certification Program will be reviewed by the Education Transition Committee and submitted to the Teacher Education Department Chair. Students will be notified in regards to the acceptance decision.

### Admission Requirements for the SJU Teacher Certification Program

- Must have completed a minimum of 48 credits
- Must have completed ENG 101 and ENG 102
• Must have completed 6 mathematics credits
• Must have an acceptable GPA. Acceptable GPA is defined as a GPA that is making forward progress towards a final cumulative GPA required for state certification. Typically, the minimum GPA is 2.8 for admission to a teacher certification program.
• Must meet Basic Skills Testing Requirements in at least one of the following assessments:
  • Qualifying PAPA scores
  • Qualifying SAT scores
  • Qualifying ACT scores
  • Qualifying ETS Core scores

Basic Skills Testing
According to ACT 168 (effective August 1, 2015), all undergraduate teacher certification candidates must achieve qualifying scores for one of the accepted tests of Basic Skills (Reading, Writing, and Math) in order to be admitted to a teacher certification program. Candidates must apply to a teacher certification program after they have completed a minimum of 48 undergraduate credits.

Candidates who have not satisfied the Basic Skills Test requirement may not register for education courses beyond 60 undergraduate credits, nor are they permitted to register for upper level professional education courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDU 240</td>
<td>Reading Literature II</td>
<td>3</td>
</tr>
<tr>
<td>EDU 362</td>
<td>Social Studies Thru Arts PK-4</td>
<td>3</td>
</tr>
<tr>
<td>EDU 363</td>
<td>Science Methods PK-4</td>
<td>3</td>
</tr>
<tr>
<td>EDU 365</td>
<td>Math &amp; Technology (PreK-4)</td>
<td>3</td>
</tr>
<tr>
<td>EDU 495</td>
<td>Student Teaching ECE</td>
<td>12</td>
</tr>
<tr>
<td>Any 300-level SPE course or above</td>
<td>3</td>
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</tbody>
</table>

Candidates must satisfy the Basic Skills Testing requirement in order to apply any transfer credits to a teacher certification program.

Professional Testing Requirements
In addition to completing prescribed programs of study including field experiences, student teaching, practicums and internships, educators are often required to take and pass standardized tests in order to qualify for a professional license or certification. Testing requirements vary from state to state; therefore candidates must be alert to such requirements for any state in which they wish to be certified. Also, the requirements are subject to frequent changes, so one should always check to be sure they have the most current information regarding which test is required before they pay, register or take an exam. Because of the dynamic nature of the testing requirements, Saint Joseph’s University cannot be held responsible for any misinterpretation or misinformation (regardless of the source) used when deciding which test to take. The responsibility to take the proper tests lies solely with the candidates.

Note: The professional licensure tests are challenging and expensive. Candidates should take advantage of all available resources and practice test questions to seriously prepare themselves before sitting for a test.

Pedagogy and Content Exams
Candidates must earn a qualifying scores in the following pedagogy and/or content exams:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SPE 608 &amp; 608F</td>
<td>FamiliesSchls&amp;Cmnty:CommCollab and FE Families/SchoolsCommunities</td>
<td>3</td>
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</tbody>
</table>

Education of the Deaf and Hard of Hearing Program
Program Goals and Objectives for the Education of the Deaf and Hard of Hearing Program

Goal 1: The student will demonstrate knowledge of learners who are deaf and hard of hearing.

Objective 1.1: The student will describe the range of programming for a classroom with students who are deaf and hard of hearing.

Objective 1.2: The student will analyze case studies of communication modes for deaf and hard of hearing learners.

Goal 2: The student will demonstrate an understanding of learners who have hearing losses from mild to profound.

Objective 2.1: The student will define the classifications of hearing loss.

Objective 2.2: The student will describe the characteristics of learners in a classroom where a variety of hearing losses and methods of communication occur.

Goal 3: The student will demonstrate knowledge of appropriate practices encountered in the education of deaf and hard of hearing learners.

Objective 3.1: The student will define the eight areas of concern of the Pennsylvania Agenda for Students who are Deaf and Hard of Hearing.

Objective 3.2: The student will evaluate educational placement options for deaf and hard of hearing students.

Goal 4: The student will demonstrate knowledge of current trends used in the education of deaf and hard of hearing learners.

Objective 4.1: The student will implement and reflect upon pedagogical strategies used with learners who are deaf and hard of hearing.

Objective 4.2: The student will identify strategies to support specially designed instruction across educational environments.

Goal 5: The student will demonstrate an understanding of the social, ethical, legal, and human issues that impact programs for deaf and hard of hearing learners.

Objective 5.1: The student will create learning experiences for deaf and hard of hearing learners.

Objective 5.2: The student will analyze case studies to determine specially designed instruction and accommodations for learners who are deaf and hard of hearing.

(30 to 36 credits) – Online
F courses are those that have a field assignment.

**Educational Studies Minor**

A minor in Educational Studies is available for undergraduates who are interested in building a foundation in education without pursuing PDE certification. Six courses are required for the minor:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Required Core</td>
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<tr>
<td>EDU 150/150F</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246/246F</td>
<td>Literacy, Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>SPE 160/160F</td>
<td>Intro to Special Education</td>
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<tr>
<td>Developmental Course</td>
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<td>Select one of the following:</td>
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<tr>
<td>EDU 151/151F</td>
<td>Develop, Cognition, &amp; Learning</td>
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<tr>
<td>EDU 121</td>
<td>Child Development</td>
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<tr>
<td>EDU 157/157F</td>
<td>Adolescent Development</td>
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<tr>
<td>Additional Course</td>
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<td>Select two of the following:</td>
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<tr>
<td>EDU 155/155F</td>
<td>Foundations of Early Childhood</td>
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<tr>
<td>EDU 231</td>
<td>Assessment and Evaluation</td>
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<tr>
<td>EDU 232/232F</td>
<td>Reading Literature I</td>
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<tr>
<td>EDU 247</td>
<td>literacy in the Content Areas</td>
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<tr>
<td>SPE 200/200F</td>
<td>Teaching in Inclusive Environ</td>
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<tr>
<td>SPE 203/203F</td>
<td>Tchng Adolescents Inclus Envir</td>
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Substitutions may be made only with the advance approval of the Chair of the Teacher Education Department.

**Five Year M.S. in Special Education - High Incidence**

**5 Year Special Education Programs**

**Urban Teaching Residents. Teacher Scholars High Incidence/Low Incidence**

Cathleen Spinelli, Ph.D., Coordinator 5 Year Programs
Merion Hall 215, 610-660-3064, cspinelli@sju.edu,
James Johnson, Ph.D., Graduate Advisor

Merion Hall 218, 610 660-1585, jjohns01@sju.edu

The graduate students are placed in a clinical experience based on their concentration. They work in the same school for a full year. Graduate students teach a modified schedule with time for their graduate coursework, spending 2/3 of each school day teaching. The school where they are placed utilizes 1) a research-based approach to instruction, 2) ongoing assessments to differentiate and individualize instruction, and 3) leadership and school culture that support teaching every child at his/her own level.

**The focus of each concentration/program of study:**

**The Urban Teaching Residency Program (UTR):**
Candidates earn a special accreditation:

- the International Dyslexia Association (IDA)
- the Wilson Language Program
- Social – Justice focus – including a series of Social-Justice seminars

**The Teacher Scholar High Incidence Program (TSHI):**
Candidates earn a special accreditation:

- the International Dyslexia Association (IDA)
- the Wilson Language Program
- work in small groups with private school students with language-based learning disabilities.

**The Teacher Scholar Low Incidence Program (TSLI):**
Candidates earn:

- the Autism Specialist endorsement
- work with special behavior plans (often ABA)
- work with private school students with physical, mental and/or behavioral disabilities.

Graduate students in any of the concentrations are expected to have obtained their Pennsylvania Instructional I certification prior to admission. They have the option of attaining their Special Education certification upon completion of the program of study.

Interested SJU undergraduates need to apply by January 15th. Applicants must have an overall gpa of at least 3.0.

**Overall Goals for Five Year Special Education Program**

**Goal 1:** The candidate has a thorough knowledge of curriculum content, language structure, behavioral strategies and relationship to literacy, assessment and resources and uses such knowledge to create effective learning experiences for students.

**Goal 2:** The candidate understands cognitive, language and learning processes, how students’ skills and abilities develop, individual strengths and needs and uses this knowledge to create opportunities for each student’s academic, social, behavioral, and emotional development.

**Goal 3:** The candidate understands disabilities, characteristics and consequences, and provides instruction to accommodate diversity.
**Goal 4:** The candidate plans and delivers instruction aligned curriculum maps, lesson plans, instructional routines and knowledge of student needs as identified in their IEPs.

**Goal 5:** The candidate communicates purpose of instructions, uses a variety of evidenced based instructional strategies and approaches that engage each student in the acquisition of lower and higher order skills necessary for academic learning.

**Goal 6:** The candidate communicates clear expectations and procedures and creates a safe respectful learning environment that encourages active, engaged learning, positive interaction and self-motivation for all students.

**Goal 7:** The candidate effectively communicates in the classroom and with the school community by using a variety of communication skills, including verbal and nonverbal techniques, technology, and media.

**Goal 8:** The candidate effectively uses formal and informal assessment strategies to evaluate student progress and inform design of instruction.

**Goal 9:** The candidate works with parents/family members, school colleagues, and community members to support student learning and development.

**Specific Goals for the Urban Teaching Residency Program and Teacher Scholar High Incidence Programs**

**Goal 1:** Structured Language: Phonology

**Objective 1:** Explicitly state the goal of any phonological awareness teaching activity

**Objective 2:** Select and implement activities that match a student’s developmental level of phonological skill

**Objective 3:** Design and justify the implementation of activities that match a student’s developmental level of phonological skill

**Objective 4:** Demonstrate instructional activities that identify, match, blend, segment, substitute, and delete sounds

**Objective 5:** Successfully produce vowel and consonant phonemes

**Objective 6:** Teach articulatory features of phonemes and words; use minimally contrasting pairs of sounds and words in instruction; support instruction with manipulative materials and movement

**Objective 7:** Direct students’ attention to speech sounds during reading, spelling, and vocabulary instruction using a mirror, discussion of articulatory features, and so on as scripted or prompted

**Goal 2:** Structured Language: Phonics

**Objective 1:** Plan lessons with a cumulative progression of word recognition skills that build one on another

**Objective 2:** Explicitly and effectively teach (e.g., information taught is correct, students are attentive, teacher checks for understanding, teacher scaffolds students’ learning) concepts of word recognition and phonics; apply concepts to reading single words, phrases, and connected text

**Objective 3:** Plan and effectively teach all steps in a decoding lesson, including single-word reading and connected text that is read fluently, accurately, and with appropriate intonation and expression

**Objective 4:** Adapt the pace, format, content, strategy, or emphasis of instruction according to students’ pattern of response

**Goal 3:** Structured Language: Spelling

**Objective 1:** Explicitly and effectively teach (e.g., information taught is correct, students are attentive, teacher checks for understanding, a rule for adding suffixes to base words.

**Objective 2:** Select materials and/or create lessons that address students’ skill levels

**Objective 3:** Analyze a student’s spelling errors to determine his or her instructional needs (e.g., development of phonological skills versus learning spelling rules versus application of orthographic or morphemic knowledge in spelling)

**Five Year M.S. for Urban Teaching Residency and Teacher Scholar High Incidence**

**Requires a total of 30 credits:**

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* Student Teaching is just for those seeking Special Education Certification.

**Five Year Special Education - Teacher Scholar Low Incidence**

**5 Year Special Education Programs**

**Urban Teaching Residents. Teacher Scholars High Incidence/Low Incidence**

Cathleen Spinelli, Ph.D., **Coordinator 5 Year Programs**

Merion Hall 215, 610-660-3064, cathleen.spinelli@sju.edu,

James Johnson, Ph.D., **Graduate Advisor,**

Merion Hall 218, 610 660-1585, jjohns01@sju.edu

The graduate students are placed in a clinical experience based on their concentration. They work in the same school for a full year. Graduate students teach a modified schedule with time for their graduate coursework, spending 2/3 of each school day teaching. The school where they are placed utilizes 1) a research-based approach to
instruction, 2) ongoing assessments to differentiate and individualize instruction, and 3) leadership and school culture that support teaching every child at his/her own level.

**The focus of each concentration/program of study:**

**The Urban Teaching Residency Program (UTR):**
Candidates earn a special accreditation:
- the International Dyslexia Association (IDA)
- the Wilson Language Program
- Social – Justice focus – including a series of Social-Justice seminars

**The Teacher Scholar High Incidence Program (TSHI):**
Candidates earn a special accreditation:
- the International Dyslexia Association (IDA)
- the Wilson Language Program
- work in small groups with private school students with language-based learning disabilities.

**The Teacher Scholar Low Incidence Program (TSLI):**
Candidates earn:
- the Autism Specialist endorsement
- work with special behavior plans (often ABA)
- work with private school students with physical, mental and/or behavioral disabilities.

Graduate students in any of the concentrations are expected to have obtained their Pennsylvania Instructional I certification prior to admission. They have the option of attaining their Special Education certification upon completion of the program of study.

Interested SJU undergraduates need to apply by January 15th. Applicants must have at overall GPA of at least 3.0

**Goal 1:** The candidate has a thorough knowledge of curriculum content, language structure, behavioral strategies and relationship to literacy, assessment and resources and uses such knowledge to create effective learning experiences for students.

**Goal 2:** The candidate understands cognitive, language and learning processes, how students' skills and abilities develop, individual strengths and needs and uses this knowledge to create opportunities for each student's academic, social, behavioral and emotional development.

**Goal 3:** The candidate understands disabilities, characteristics and consequences, and provides instruction to accommodate diversity.

**Goal 4:** The candidate plans and delivers instruction aligned curriculum maps, lesson plans, instructional routines and knowledge of student needs as identified in their IEPs.

**Goal 5:** The candidate communicates purpose of instructions, uses a variety of evidenced based instructional strategies and approaches that engage each student in the acquisition of lower and higher order skills necessary for academic learning.

**Goal 6:** The candidate communicates clear expectations and procedures and creates a safe respectful learning environment that encourages active, engaged learning, positive interaction and self-motivation for all students.

**Goal 7:** The candidate effectively communicates in the classroom and with the school community by using a variety of communication skills, including verbal and nonverbal techniques, technology, and media.

**Goal 8:** The candidate effectively uses formal and informal assessment strategies to evaluate student progress and inform design of instruction.

**Goal 9:** The candidate works with parents/family members, school colleagues, and community members to support student learning and development.

**The M.S. 5 year degree for Teacher Scholar Low Incidence**

Requires a total of 30 credits:

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<td>Evid Based Prac: Al&amp;I Method</td>
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<tr>
<td>SPE 723</td>
<td>Autism: Behv Manag Approaches</td>
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Take two SPE courses as electives

**Five-Year Combined B.S./M.S. in Biology, Chemistry, Physics, General Science, and Mathematics**

This program allows a student to complete in five years the requirements for both the B.S. in one of the sciences or mathematics and the M.S. in Education with certification to teach at the secondary level. Interested students should consult the description of the program provided in the curriculum section of this catalog that deals with the content field in which they wish to major.

**Graduate Teacher and Administrative Certification – Curriculum Supervisor and Supervisor of Special Education Certifications**

**Learning Goals and Objectives**

**Goal 1:** Students will demonstrate knowledge of Educational Leadership content, theory and practices.

**Objective 1.1:** Student will develop and articulate a shared school vision, mission, and goals for P-12 student success.

**Objective 1.2:** Students will demonstrate knowledge of school improvement plans based on data and school community input.
Goal 2: Students will demonstrate knowledge of and professional leadership skills in developing a strong, positive school culture to ensure P-12 student success.

Objective 2.1: Students will demonstrate knowledge of an effective instructional program conducive to a positive school culture and P-12 student learning.

Objective 2.2: Students will demonstrate knowledge of the instructional and leadership capacity of school staff and design comprehensive professional growth plans for self and others.

Goal 3: Students will demonstrate the ability to manage democratically the school organization, operations and resources for effective results.

Objective 3.1: Students will develop operational policies and procedures and assess them for long-term school plans and the welfare of the school community.

Objective 3.2: Students will demonstrate knowledge of human, fiscal and technological resources to manage school operations and develop capacity for democratic (distributed) leadership.

Goal 4: Students will demonstrate knowledge of policies, laws and regulations and apply the principles of integrity, equity and fairness in effectively advocating for children and public education.

Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 students success.

Objective 4.2: Students will apply basic Jesuit principles in a plan that promotes social opportunities for P-12 students.

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1 Students beginning Fieldwork fall 2015 will have 6 hours over a full year in Fieldwork I & II, so they will not need Fieldwork III

(27 credits)

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Graduate Teacher and Administrative Certification – Curriculum Supervisor Certification

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

Objective 1.1: Student will develop and articulate a shared school vision, mission, and goals for P-12 student success.

Objective 1.2: Students will demonstrate knowledge of school improvement plans based on data and school community input.

Goal 2: Students will demonstrate knowledge of and professional leadership skills in developing a strong, positive school culture and P-12 student learning.

Objective 2.1: Students will demonstrate knowledge of an effective instructional program conducive to a positive school culture and P-12 student learning.

Objective 2.2: Students will demonstrate knowledge of the instructional and leadership capacity of school staff and design comprehensive professional growth plans for self and others.

Goal 3: Students will demonstrate the ability to manage democratically the school organization, operations and resources for effective results.

Objective 3.1: Students will develop operational policies and procedures and assess them for long-term school plans and the welfare of the school community.

Objective 3.2: Students will demonstrate knowledge of human, fiscal and technological resources to manage school operations and develop capacity for democratic (distributed) leadership.

Goal 4: Students will demonstrate knowledge of policies, laws and regulations and apply the principles of integrity, equity and fairness in effectively advocating for children and public education.

Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 students success.

Objective 4.2: Students will apply basic Jesuit principles in a plan that promotes social opportunities for P-12 students.

Graduate Teacher and Administrative Certification – Principal and Curriculum Supervisor Certifications

Learning Goals and Objectives
Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

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1 Students beginning Fieldwork fall 2015 will have 6 hours over a full year in Fieldwork I & II, so they will not need Fieldwork III

Graduate Teacher and Administrative Certification – Principal and Supervisor of Special Education Certification

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

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Goal 4: Students will demonstrate knowledge of policies, laws and regulations and apply the principles of integrity, equity and fairness in effectively advocating for children and public education.

Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 student success.

Objective 4.2: Students will apply basic Jesuit principles in a plan that promotes social opportunities for P-12 students.

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1 Students beginning Fieldwork fall 2015 will have 6 hours over a full year in Fieldwork I & II, so they will not need Fieldwork III

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Graduate Teacher and Administrative Certification – Principal Certification

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

Objective 1.1: Student will develop and articulate a shared school vision, mission, and goals for P-12 student success.

Objective 1.2: Students will demonstrate knowledge of school improvement plans based on data and school community input.

Goal 2: Students will demonstrate knowledge of and professional leadership skills in developing a strong, positive school culture to ensure P-12 student success.

Objective 2.1: Students will demonstrate knowledge of an effective instructional program conducive to a positive school culture and P-12 student learning.

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Objective 3.2: Students will demonstrate knowledge of human, fiscal and technological resources to manage school operations and develop capacity for democratic (distributed) leadership.

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Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 students success.

Objective 4.2: Students will apply basic Jesuit principles in a plan that promotes social opportunities for P-12 students.

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EDL 685 Seminar in Admin of Curriculum 3
EDL 690 Managing Financial Resources 3
EDL 695 Advanced Fieldwork/Seminar I 3
EDL 696 Advanced Fieldwork/Seminar II 3
EDL 697 Advanced Fieldwork/Seminar III 2
SPE 620 Fund SE Prac for School Ldrs 3
SPE 621 Law, Pol & Proc for SE Sup 3
SPE 622 Admin & Supv:Spec Ed Progs 3
SPE 623 Advanced Fieldwork/Seminar 3

1 Students beginning Fieldwork fall 2015 will have 6 hours over a full year in Fieldwork I & II, so they will not need Fieldwork III

Instructional Technologist Specialist Certification

Program Description
Today’s students require educators who understand and know how to use technology in the classroom. Through the Instructional Technology Specialist Certification from Saint Joseph’s University, you will be prepared to take on an important and growing role in the K-12 school environment.

With classes in multimedia production, instructional design, emerging technologies, alternative instruction and more, the online instructional technology specialist certification program from Saint Joseph’s University arms you with the theory and hands-on experience necessary to aid teachers in their quest to bring technology into the classroom. Moreover, graduates are eligible for Instructional Technology Specialist Certification in the Pennsylvania public school system, a credential that can be the basis for educational certification in many other states as well.

Website: http://online.sju.edu/idt/instructional-design-technology-certification

Admissions Requirements
Bachelor’s Degree with an overall GPA of 3.0 or higher

Internship Requirement for the PA Instructional Technology Specialist Certification
Field Experience in a K-12 school setting

Field Experience must take place while taking the Graduate Internship course during a 16 week semester (Spring, Summer, or Fall)

Required Clearances for the Graduate Internship
Prior to beginning the Graduate Internship, students must submit the SJU Background Clearance Document verifying that they have obtained all required clearances for their state.

All clearances must be valid through the end of your Graduate Internship.

Interdisciplinary Doctor of Education Program for Educational Leaders (IDEPEL)

Director, Aubrey Wang, Ph.D.

Program Description
The specific aim of the Interdisciplinary Doctor of Education Program for Educational Leaders (IDEPEL) is to prepare future leaders in Education both theoretically and practically for educational reform, social change, and social justice. Courses within this program connect the role of educational management, ethics, various research paradigms, culture, politics and policy in an interdisciplinary fashion. More generally, the Ed. D. program projects an ongoing vision of the Jesuit ideals of service and intellectual rigor. This is combined in partnership with and among University and community leaders.

Admissions Requirements and Procedures
Admission to IDEPEL
A cohort of approximately twenty-five members is formed every year according to the Admission Procedures and Requirements. Candidates for admission are considered for inclusion in the cohort based upon a faculty review process.

For the start of a new cohort group, each applicant will:
1. Submit a letter of application, completed application form, and $100 nonrefundable application fee;
2. Present official undergraduate and graduate transcripts;
3. Assure that two letters of recommendation are submitted by professionals familiar with the applicant’s academic or work experience, and the capacity to complete a doctoral program;
4. Submit a complete resume or vita to include all professional experience, education, certification, and other relevant information;
5. Submit two personal essays that:
   a. Document one’s own commitment to the education and growth of students and educators;
b. Identify one’s professional goals and how this program will help attain these goals.

**General Admission Requirements**

1. Master’s degree from an accredited institution;
2. Minimum graduate GPA of 3.5;
3. Computer competence and possession of, or access to, a computer with Internet access and printer (specifications to be provided);
4. A commitment to participate in the entire program of study in concert with the cohort group;
5. Participation in interviews with the Program Director and faculty;
6. A demonstrated capacity to complete a doctoral program; and
7. Completion of all application requirements.

**Admission Requirements FOR the Superintendent Letter of Eligibility**

1. A completed Saint Joseph’s University graduate application.
2. Master’s degree.
3. Official sealed transcript(s) of undergraduate/graduate coursework.
4. 3.0 Grade Point Average (GPA) in graduate work.
5. Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator. Both letters must substantiate the candidate’s leadership potential and qualifications to become an assistant/superintendent of schools.
6. Principal or supervisory certificate.
7. Six years of satisfactory professional certificated service of which three of the six years must have been in a certificated supervisory or administrative capacity.
8. Portfolio items:
   - Essay concerning how superintendent’s shape learning in their schools
   - Resume that includes evidence of leadership potential (other leadership roles)
   - Applicant’s educational philosophy
   - Personal statement—a letter of intention outlining the candidate’s professional goals and educational objectives for attending the program.

Superintendent courses are taken at the doctoral level. Students must achieve a 3.5 GPA across these courses. These three courses may count toward the doctorate, if and only if, the student is admitted into the doctoral program within one year of completion of the three course sequence.

At the doctoral level, the superintendency fieldwork is integrated in the other three core courses. The course equivalence is as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDL 845</td>
<td>Policy &amp; School Law</td>
<td>3</td>
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<tr>
<td>EDL 860</td>
<td>Ed Planning &amp; Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>EDL 850</td>
<td>Educational Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

**Admission Requirements FOR Principal Certification**

1. A completed Saint Joseph’s University graduate application.
2. Official sealed transcript(s) of undergraduate/graduate coursework.
3. 3.0 Grade Point Average (GPA) in undergraduate work.
4. Personal statement – a 500 word statement of intention outlining the applicant’s professional goals and educational objectives for attending a program of their choice.
5. Valid teaching certificate.
6. Five years full-time teaching experience (by the time the degree is awarded).
7. An interview may be required at the discretion of the program director.
8. $35 application fee.
9. Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator. Both letters must substantiate the candidate’s leadership potential and qualifications to become a school administrator.
10. Portfolio items:
   - Essay concerning how principals shape learning in their schools (500 words)
   - Resume that includes evidence of leadership potential (other leadership roles)
   - Applicant’s educational philosophy
   - A written description of a problem based learning activity (500 words)

For further information regarding the Interdisciplinary Doctor of Education Program for Educational Leaders (IDEPEL), contact the IDEPEL Program Director:

Aubrey H. Wang, Ph.D.
Merion Hall 266
(610) 660-3186
awang@sju.edu

**Program Goals and Learning Objectives**

**Goal 1:** Our graduates will develop strong qualitative and quantitative research skills as a basis for managing change in their fields.

**Objective 1.1:** Students become proficient in qualitative, quantitative, and mixed method research.

**Objective 1.2:** Students develop the capacity to design and implement their dissertation research.

**Objective 1.3:** Students develop the capacity to read and write within the technical requirements of the field.

**Goal 2:** Our graduates will gain experience at integrating theory and practice in their area of concentration.

**Objective 2.1:** Students gain experience at integrating theory and practice in their area of concentration through successful completion of their practicum projects.

**Goal 3:** Our graduates will develop a strong foundation in ethical leadership.

**Objective 3.1:** Students can articulate acceptable ethical norms and standards and can apply ethical or moral lens to leadership decisions.

**Goal 4:** Our graduates will develop mastery of specific skills in their area of concentration.

**Objective 4.1:** Students in the K-12 basic education area of concentration will demonstrate mastery of K-12 education leadership skills.
Objective 4.2: Students in the higher education area of concentration will demonstrate mastery of higher education leadership skills.

The following courses are required for the Ed. D. degree:

<table>
<thead>
<tr>
<th>Code</th>
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<td>EDL 800</td>
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<td>EDL 805</td>
<td>Principles Quant Research</td>
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<tr>
<td>EDL 810</td>
<td>Quant Research Design</td>
<td>3</td>
</tr>
<tr>
<td>EDL 815</td>
<td>Social Change Culture &amp; Ed</td>
<td>3</td>
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<td>EDL 820</td>
<td>Ethics in Ed Leadership</td>
<td>3</td>
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<tr>
<td>EDL 825</td>
<td>Fiscal Resources</td>
<td>3</td>
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<tr>
<td>EDL 830</td>
<td>Contemporary Curriculum</td>
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<td>EDL 835</td>
<td>Principles Qual Research</td>
<td>3</td>
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<td>EDL 840</td>
<td>Qualitative Research Design</td>
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<td>EDL 845</td>
<td>Policy &amp; School Law</td>
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<td>EDL 855</td>
<td>Human Resource Management</td>
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<tr>
<td>EDL 870</td>
<td>Diss Sem &amp; Proposal Writing</td>
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<td>EDL 875</td>
<td>Administer Dynamic Institution</td>
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M.S. in Education with a Concentration in Educational Leadership with Curriculum Supervisor AND Supervisor of Special Education Certifications

Admission Requirements and Procedures

The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate program) certification programs are offered in each of those same fields (Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents).

The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one's certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership graduate programs for all advising needs – including academic progress and compliance for certification – on a semester basis.

Students must be formally admitted to the Educational Leadership program for certification eligibility. Five years of teaching experience (minimum three by the time of acceptance in the program) or experience related to the instructional process is required. A valid teaching certification or a chief school administrator’s verification of the completion of three years of relevant professional experience in an educational setting related to the instruction process must be included in the application materials. Students not seeking a certification and only seeking a Master’s with a concentration in Educational Leadership do not need a valid teaching certification and/or five years of full-time teaching experience.

Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework.
- Grade Point Average (GPA) in undergraduate work.
- Personal statement – a 500 word statement of intention outlining how the applicant’s professional goals fit the stated goals and objectives of the Educational Leadership graduate programs.
- Two letters of recommendations.
- Copy of a valid teaching certificate.
- Five years full-time teaching experience (minimum three by the time of acceptance in the program)
- An informal phone interview with the Graduate Programs Director.
- $35 application fee.

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

Any exceptions to this policy must be approved by the Graduate Programs Director. Students requesting full time status should submit a letter in writing to the Director of Graduate Education stating that they are working less than 20 hours per week during the semester(s) for which full-time status is being requested.

All certification programs meet the General and Specific Standards of the Bureau of Teacher Preparation and Certification of the Department of Education in the Commonwealth of Pennsylvania. Candidates are required to meet certification standards in force at the time of their application for certification.

Criteria for certification are demonstrated by professional behavior in the classroom and in fieldwork. Students who do not meet the high standards of professionalism established by the Pennsylvania Department of Education risk being dismissed from the fieldwork or the program.
Contact information for Graduate Admissions is as follows:

Graduate Operations Office
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131
Telephone: 610.660.1101
Fax: 610.660.1224
http://www.sju.edu/admissions/graduate/

Domestic students (U.S. Citizens, Permanent Residents, Refugees & Asylees) must complete and submit the Application Form, along with all credentials, application documents, and the required $35 USD application fee directly to the Graduate Operations Office. For applications submitted as a result of attendance at an Open House information session, the application fee is waived.

Applicants for admission must possess a Bachelor’s degree from a regionally accredited institution and must provide evidence of their ability and preparedness necessary for the satisfactory completion of graduate work. Specific requirements differ among the programs, and students are advised to consult the appropriate program requirements listed in each program section.

Domestic students who have received degrees from outside the U.S. should review our International Admissions section for information on required documentation. All documents submitted in support of an application will become the property of the University and are not returnable.

Terms of Acceptance
An applicant is afforded “full acceptance” when all admission criteria have been met and all required application materials have been submitted, reviewed and approved.

“Provisional acceptance” may be provided if an application is complete, but academic credentials have not been satisfied. In this case an applicant is allowed a trial semester of up to 9 credits. Candidates must receive a grade of B or better during all courses taken during the trial semester.

Applicants whose application package is incomplete may receive “conditional acceptance,” and permitted to register for up to 3 credits in the first semester. To be granted “conditional” status, an application must at least include and application form and unofficial transcript.

Applications that do not meet at least provisional academic requirements are generally not accepted.

Transfer of Courses
Applicants who have taken graduate courses elsewhere may request transfer of not more than six graduate credits in Arts and Sciences programs. Such requests must be filed at the time of application for admission. Only those courses which are judged to meet program requirements and in which a student has received a grade of B or better will be accepted. In no instance will courses taken more than five years ago be accepted for transfer credit. Under no conditions will Continuing Education units be accepted for transfer credit. However, Alliance for Catholic Education (ACE) approved courses are eligible for transfer.

Fieldwork Requirement
Effective Fall 2015, the three two-credits fieldwork courses (EDL 695, EDL 696, EDL 697) current in 2014-2015 were transitioned into two three-credits fieldwork courses (EDL 695 and EDL 696).

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

Objective 1.1: Student will develop and articulate a shared school vision, mission, and goals for P-12 student success.

Objective 1.2: Students will demonstrate knowledge of school improvement plans based on data and school community input.

Goal 2: Students will demonstrate knowledge of and professional leadership skills in developing a strong, positive school culture to ensure P-12 student success.

Objective 2.1: Students will demonstrate knowledge of an effective instructional program conducive to a positive school culture and P-12 student learning.

Objective 2.2: Students will demonstrate knowledge of the instructional and leadership capacity of school staff and design comprehensive professional growth plans for self and others.

Goal 3: Students will demonstrate the ability to manage democratically the school organization, operations and resources for effective results.

Objective 3.1: Students will develop operational policies and procedures and assess them for long-term school plans and the welfare of the school community.

Objective 3.2: Students will demonstrate knowledge of human, fiscal and technological resources to manage school operations and develop capacity for democratic (distributed) leadership.

Goal 4: Students will demonstrate knowledge of policies, laws and regulations and apply the principles of integrity, equity and fairness in effectively advocating for children and public education.

Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 students success.

Objective 4.2: Students will apply basic Jesuit principles in a plan that promotes social opportunities for P-12 students.

(39 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDL 600</td>
<td>EdLeaderResrch&amp;ReflectPract</td>
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<td>EDL 655</td>
<td>Interpersonal Relations</td>
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<td>Administration Planned Change</td>
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<td>EDL 670</td>
<td>Human Resource Development</td>
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<tr>
<td>EDL 675</td>
<td>Curriculum Develop &amp; Practice</td>
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<td>EDL 685</td>
<td>Seminar in Admin of Curriculum</td>
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<td>EDL 690</td>
<td>Managing Financial Resources</td>
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<td>EDL 695</td>
<td>Advanced Fieldwork/Seminar I</td>
<td>3</td>
</tr>
<tr>
<td>EDL 696</td>
<td>Advanced Fieldwork/Seminar II</td>
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<td>EDL 697</td>
<td>Advanced Fieldwork/Seminar III</td>
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</tr>
</tbody>
</table>
M.S. in Education with a Concentration in Educational Leadership with Curriculum Supervisor Certification

Admission Requirements and Procedures

The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate program) certification programs are offered in each of those same fields (Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents).

The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one’s certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership graduate programs for all advising needs – including academic progress and compliance for certification – on a semester basis.

Students must be formally admitted to the Educational Leadership program for certification eligibility. Five years of teaching experience (minimum three by the time of acceptance in the program) or experience related to the instructional process is required. A valid teaching certification or a chief school administrator’s verification of the completion of three years of relevant professional experience in an educational setting related to the instruction process must be included in the application materials. Students not seeking a certification and only seeking a Master’s with a concentration in Educational Leadership do not need a valid teaching certification and/or five years of full-time teaching experience.

Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework.
- Grade Point Average (GPA) in undergraduate work.
- Personal statement – a 500 word statement of intention outlining how the applicant’s professional goals fit the stated goals and objectives of the Educational Leadership graduate programs.
- Two letters of recommendations.
- Copy of a valid teaching certificate.
- Five years full-time teaching experience (minimum three by the time of acceptance in the program)
- An informal phone interview with the Graduate Programs Director.
- $35 application fee.

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

Any exceptions to this policy must be approved by the Graduate Programs Director. Students requesting full time status should submit a letter in writing to the Director of Graduate Education stating that they are working less than 20 hours per week during the semester(s) for which full-time status is being requested.

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An applicant is afforded “full acceptance” when all admission criteria have been met and all required application materials have been submitted, reviewed and approved.

“Provisional acceptance” may be provided if an application is complete, but academic credentials have not been satisfied. In this case an applicant is allowed a trial semester of up to 9 credits. Candidates must receive a grade of B or better during all courses taken during the trial semester.

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**Transfer of Courses**

Applicants who have taken graduate courses elsewhere may request transfer of not more than six graduate credits in Arts and Sciences programs. Such requests must be filed at the time of application for admission. Only those courses which are judged to meet program requirements and in which a student has received a grade of B or better will be accepted. In no instance will courses taken more than five years ago be accepted for transfer credit. Under no conditions will Continuing Education units be accepted for transfer credit. However, Alliance for Catholic Education (ACE) approved courses are eligible for transfer.

**Fieldwork Requirement**

Effective Fall 2015, the three two-credits fieldwork courses (EDL 695, EDL 696, EDL 697) current in 2014-2015 were transitioned into two three-credits fieldwork courses (EDL 695 and EDL 696).

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<td>EDL 605</td>
<td>Critical Contemp Ed Issues</td>
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<td>EDL 655</td>
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<td>EDL 675</td>
<td>Curriculum Develop &amp; Practice</td>
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<td>EDL 697</td>
<td>Advanced Fieldwork/Seminar III</td>
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</tbody>
</table>

1 Students beginning Fieldwork fall 2015 will have 6 hours over a full year in Fieldwork I & II, so they will not need Fieldwork III

**M.S. in Education with a Concentration in Educational Leadership with Principal AND Curriculum Supervisor Certifications**

**Admission Requirements and Procedures**

The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate program) certification programs are offered in each of those same fields.
The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one's certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership for all advising needs – including academic progress and compliance for certification – on a semester basis.

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Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework.
- Grade Point Average (GPA) in undergraduate work.
- Personal statement – a 500 word statement of intention outlining how the applicant’s professional goals fit the stated goals and objectives of the Educational Leadership graduate programs.
- Two letters of recommendations.
- Copy of a valid teaching certificate.
- Five years full-time teaching experience (minimum three by the time of acceptance in the program)
- An informal phone interview with the Graduate Programs Director.
- $35 application fee.

Additional application requirements for the Principal Certification Program include the following portfolio items:

Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator. Both letters must substantiate the candidate’s leadership potential and qualifications to become a school administrator.

Portfolio items:

- Essay concerning how principals shape learning in their schools (500 words)
- Resume that includes evidence of leadership potential (other leadership roles)
- Applicant’s educational philosophy
- A written description of a problem based learning activity

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

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All certification programs meet the General and Specific Standards of the Bureau of Teacher Preparation and Certification of the Department of Education in the Commonwealth of Pennsylvania. Candidates are required to meet certification standards in force at the time of their application for certification.

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Contact information for Graduate Admissions is as follows:

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Fax: 610.660.1224
http://www.sju.edu/admissions/graduate/

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Applicants whose application package is incomplete may receive “conditional acceptance,” and permitted to register for up to 3 credits in the first semester. To be granted “conditional” status, an application must at least include and application form and unofficial transcript.

Applications that do not meet at least provisional academic requirements are generally not accepted.

Transfer of Courses

Applicants who have taken graduate courses elsewhere may request transfer of not more than six graduate credits in Arts and Sciences programs. Such requests must be filed at the time of application for admission. Only those courses which are judged to meet program requirements and in which a student has received a grade of B or better will be accepted. In no instance will courses taken more than five years ago be accepted for transfer credit. Under no conditions will Continuing Education units be accepted for transfer credit. However, Alliance for Catholic Education (ACE) approved courses are eligible for transfer.

Fieldwork Requirement

Effective Fall 2015, the three two-credits fieldwork courses (EDL 695, EDL 696, EDL 697) current in 2014-2015 were transitioned into two three-credits fieldwork courses (EDL 695 and EDL 696).

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

Objective 1.1: Student will develop and articulate a shared school vision, mission, and goals for P-12 student success.

Objective 1.2: Students will demonstrate knowledge of school improvement plans based on data and school community input.

Goal 2: Students will demonstrate knowledge of and professional leadership skills in developing a strong, positive school culture to ensure P-12 student success.

Objective 2.1: Students will demonstrate knowledge of an effective instructional program conducive to a positive school culture and P-12 student learning.

Objective 2.2: Students will demonstrate knowledge of the instructional and leadership capacity of school staff and design comprehensive professional growth plans for self and others.

Goal 3: Students will demonstrate the ability to manage democratically the school organization, operations and resources for effective results.

Objective 3.1: Students will develop operational policies and procedures and assess them for long-term school plans and the welfare of the school community.

Objective 3.2: Students will demonstrate knowledge of human, fiscal and technological resources to manage school operations and develop capacity for democratic (distributed) leadership.

Goal 4: Students will demonstrate knowledge of policies, laws and regulations and apply the principles of integrity, equity and fairness in effectively advocating for children and public education.

Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 students success.

Objective 4.2: Students will apply basic Jesuit principles in a plan that promotes social opportunities for P-12 students.

(36 credits)

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</table>

1 Students beginning Fieldwork fall 2015 will have 6 hours over a full year in Fieldwork I & II, so they will not need Fieldwork III

M.S. in Education with a Concentration in Educational Leadership With Principal Certification

Admission Requirements and Procedures

The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate program) certification programs are offered in each of those same fields (Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents).

The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one’s certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership
graduate programs for all advising needs – including academic progress and compliance for certification – on a semester basis.

Students must be formally admitted to the Educational Leadership program for certification eligibility. Five years of teaching experience (minimum three by the time of acceptance in the program) or experience related to the instructional process is required. A valid teaching certification or a chief school administrator’s verification of the completion of three years of relevant professional experience in an educational setting related to the instruction process must be included in the application materials. Students not seeking a certification and only seeking a Master’s with a concentration in Educational Leadership do not need a valid teaching certification and/or five years of full-time teaching experience.

Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework.
  - Grade Point Average (GPA) in undergraduate work.
- Personal statement – a 500 word statement of intention outlining how the applicant’s professional goals fit the stated goals and objectives of the Educational Leadership graduate programs.
- Two letters of recommendations.
- Copy of a valid teaching certificate.
- Five years full-time teaching experience (minimum three by the time of acceptance in the program)
- An informal phone interview with the Graduate Programs Director.
- $35 application fee.

Additional application requirements for the Principal Certification Program include the following portfolio items:

Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator. Both letters must substantiate the candidate’s leadership potential and qualifications to become a school administrator.

Portfolio items:

- Essay concerning how principals shape learning in their schools (500 words)
- Resume that includes evidence of leadership potential (other leadership roles)
- Applicant’s educational philosophy
- A written description of a problem based learning activity

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

Any exceptions to this policy must be approved by the Graduate Programs Director. Students requesting full-time status should submit a letter in writing to the Director of Graduate Education stating that they are working less than 20 hours per week during the semester(s) for which full-time status is being requested.

All certification programs meet the General and Specific Standards of the Bureau of Teacher Preparation and Certification of the Department of Education in the Commonwealth of Pennsylvania. Candidates are required to meet certification standards in force at the time of their application for certification.

Criteria for certification are demonstrated by professional behavior in the classroom and in fieldwork. Students who do not meet the high standards of professionalism established by the Pennsylvania Department of Education risk being dismissed from the fieldwork or the program.

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Terms of Acceptance

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Transfer of Courses
Applicants who have taken graduate courses elsewhere may request transfer of not more than six graduate credits in Arts and Sciences programs. Such requests must be filed at the time of application for admission. Only those courses which are judged to meet program requirements and in which a student has received a grade of B or better will be accepted. In no instance will courses taken more than five years ago be accepted for transfer credit. Under no conditions will Continuing Education units be accepted for transfer credit. However, Alliance for Catholic Education (ACE) approved courses are eligible for transfer.

Fieldwork Requirement
Effective Fall 2015, the three two-credits fieldwork courses (EDL 695, EDL 696, EDL 697) current in 2014-2015 were transitioned into two three-credits fieldwork courses (EDL 695 and EDL 696).

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

Objective 1.1: Student will develop and articulate a shared school vision, mission, and goals for P-12 student success.

Objective 1.2: Students will demonstrate knowledge of school improvement plans based on data and school community input.

Goal 2: Students will demonstrate knowledge of and professional leadership skills in developing a strong, positive school culture to ensure P-12 student success.

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Objective 3.1: Students will develop operational policies and procedures and assess them for long-term school plans and the welfare of the school community.

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Goal 4: Students will demonstrate knowledge of policies, laws and regulations and apply the principles of integrity, equity and fairness in effectively advocating for children and public education.

Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 students success.

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1 Students beginning Fieldwork fall 2015 will have 6 hours over a full year in Fieldwork I & II, so they will not need Fieldwork III

M.S. in Education with a Concentration in Educational Leadership with Principal, Curriculum Supervisor AND Supervisor of Special Education Certifications

Admission Requirements and Procedures
The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate program) certification programs are offered in each of those same fields (Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents).

The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one’s certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership graduate programs for all advising needs – including academic progress and compliance for certification – on a semester basis.

Students must be formally admitted to the Educational Leadership program for certification eligibility. Five years of teaching experience (minimum three by the time of acceptance in the program) or experience...
related to the instructional process is required. A valid teaching certification or a chief school administrator’s verification of the completion of three years of relevant professional experience in an educational setting related to the instruction process must be included in the application materials. Students not seeking a certification and only seeking a Master’s with a concentration in Educational Leadership do not need a valid teaching certification and/or five years of full-time teaching experience.

Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework.
  - Grade Point Average (GPA) in undergraduate work.
- Personal statement – a 500 word statement of intention outlining how the applicant’s professional goals fit the stated goals and objectives of the Educational Leadership graduate programs.
- Two letters of recommendations.
- Copy of a valid teaching certificate.
- Five years full-time teaching experience (minimum three by the time of acceptance in the program)
- An informal phone interview with the Graduate Programs Director.
- $35 application fee.

Additional application requirements for the Principal Certification Program include the following portfolio items:

- Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator. Both letters must substantiate the candidate’s leadership potential and qualifications to become a school administrator.
- Resume that includes evidence of leadership potential (other leadership roles)
- Applicant’s educational philosophy
- A written description of a problem based learning activity

In addition, a Superintendent Letter of Eligibility is offered and all Pennsylvania Department of Education prerequisites must be met for admission.

Application Requirements for the Superintendent Letter of Eligibility Program are as follows:

- A completed Saint Joseph’s University graduate application.
- Master’s degree.
- Official sealed transcript(s) of undergraduate/graduate coursework.
  - Grade Point Average (GPA) in graduate work.
- Two letters of recommendations from school district administrators; one of which must be from the applicant’s supervising administrator.
- Copy of principal or supervisory certificate.
- Six years of satisfactory professional certificated service of which three of the six years must have been in a certificated supervisory or administrative capacity.

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

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|             | SPE 621  | Law, Pol & Proced for SE Sup                                 | 3     |
|             | SPE 622  | Admin & Supv:Spec Ed Progs                                  | 3     |
|             | SPE 623  | Advanced Fieldwork/Seminar                                  | 3     |
|             | SPE 624  | Adv Super & Curr Fieldwk/Sem                                | 3     |

**M.S. in Education with a Concentration in Educational Leadership with Supervisor of Special Education Certification**

**Admission Requirements and Procedures**

The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate
program) certification programs are offered in each of those same fields (Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents).

The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one's certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership graduate programs for all advising needs – including academic progress and compliance for certification – on a semester basis.

Students must be formally admitted to the Educational Leadership program for certification eligibility. Five years of teaching experience (minimum three by the time of acceptance in the program) or experience related to the instructional process is required. A valid teaching certification or a chief school administrator’s verification of the completion of three years of relevant professional experience in an educational setting related to the instruction process must be included in the application materials. Students not seeking a certification and only seeking a Master’s with a concentration in Educational Leadership do not need a valid teaching certification and/or five years of full-time teaching experience.

Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework.
  - Grade Point Average (GPA) in undergraduate work.
- Personal statement – a 500 word statement of intention outlining how the applicant’s professional goals fit the stated goals and objectives of the Educational Leadership graduate programs.
- Two letters of recommendations.
- Copy of a valid teaching certificate.
- Five years full-time teaching experience (minimum three by the time of acceptance in the program)
- An informal phone interview with the Graduate Programs Director.
- $35 application fee.

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

Any exceptions to this policy must be approved by the Graduate Programs Director. Students requesting full time status should submit a letter in writing to the Director of Graduate Education stating that they are working less than 20 hours per week during the semester(s) for which full-time status is being requested.

All certification programs meet the General and Specific Standards of the Bureau of Teacher Preparation and Certification of the Department of Education in the Commonwealth of Pennsylvania. Candidates are required to meet certification standards in force at the time of their application for certification.

Criteria for certification are demonstrated by professional behavior in the classroom and in fieldwork. Students who do not meet the high standards of professionalism established by the Pennsylvania Department of Education risk being dismissed from the fieldwork or the program.

Contact information for Graduate Admissions is as follows:

Graduate Operations Office
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131
Telephone: 610.660.1101
Fax: 610.660.1224
http://www.sju.edu/admissions/graduate/

Domestic students (U.S. Citizens, Permanent Residents, Refugees & Asylees) must complete and submit the Application Form, along with all credentials, application documents, and the required $35 USD application fee directly to the Graduate Operations Office. For applications submitted as a result of attendance at an Open House information session, the application fee is waived.

Applicants for admission must possess a Bachelor’s degree from a regionally accredited institution and must provide evidence of their ability and preparedness necessary for the satisfactory completion of graduate work. Specific requirements differ among the programs, and students are advised to consult the appropriate program requirements listed in each program section.

Domestic students who have received degrees from outside the U.S. should review our International Admissions section for information on required documentation. All documents submitted in support of an application will become the property of the University and are not returnable.

Terms of Acceptance

An applicant is afforded “full acceptance” when all admission criteria have been met and all required application materials have been submitted, reviewed and approved.

“Provisional acceptance” may be provided if an application is complete, but academic credentials have not been satisfied. In this case an applicant is allowed a trial semester of up to 9 credits. Candidates must receive a grade of B or better during all courses taken during the trial semester.

Applicants whose application package is incomplete may receive “conditional acceptance,” and permitted to register for up to 3 credits in the first semester. To be granted “conditional” status, an application must at least include and application form and unofficial transcript.
Applications that do not meet at least provisional academic requirements are generally not accepted.

Transfer of Courses
Applicants who have taken graduate courses elsewhere may request transfer of not more than six graduate credits in Arts and Sciences programs. Such requests must be filed at the time of application for admission. Only those courses which are judged to meet program requirements and in which a student has received a grade of B or better will be accepted. In no instance will courses taken more than five years ago be accepted for transfer credit. Under no conditions will Continuing Education units be accepted for transfer credit. However, Alliance for Catholic Education (ACE) approved courses are eligible for transfer.

Fieldwork Requirement
Effective Fall 2015, the three two-credits fieldwork courses (EDL 695, EDL 696, EDL 697) current in 2014-2015 were transitioned into two three-credits fieldwork courses (EDL 695 and EDL 696).

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of Educational Leadership content, theory and practices.

Objective 1.1: Student will develop and articulate a shared school vision, mission, and goals for P-12 student success.

Objective 1.2: Students will demonstrate knowledge of school improvement plans based on data and school community input.

Goal 2: Students will demonstrate knowledge of and professional leadership skills in developing a strong, positive school culture to ensure P-12 student success.

Objective 2.1: Students will demonstrate knowledge of an effective instructional program conducive to a positive school culture and P-12 student learning.

Objective 2.2: Students will demonstrate knowledge of the instructional and leadership capacity of school staff and design comprehensive professional growth plans for self and others.

Goal 3: Students will demonstrate the ability to manage democratically the school organization, operations and resources for effective results.

Objective 3.1: Students will develop operational policies and procedures and assess them for long-term school plans and the welfare of the school community.

Objective 3.2: Students will demonstrate knowledge of human, fiscal and technological resources to manage school operations and develop capacity for democratic (distributed) leadership.

Goal 4: Students will demonstrate knowledge of policies, laws and regulations and apply the principles of integrity, equity and fairness in effectively advocating for children and public education.

Objective 4.1: Students will accurately interpret laws, policies and regulations to promote P-12 students success.

Objective 4.2: Students will apply basic Jesuit principles in a plan that promotes social opportunities for P-12 students.

<table>
<thead>
<tr>
<th>(36 credits)</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDL 600</td>
<td>EdLeaderResrch&amp;ReflectPract</td>
<td>3</td>
</tr>
<tr>
<td>EDL 655</td>
<td>Interpersonal Relations</td>
<td>3</td>
</tr>
<tr>
<td>EDL 660</td>
<td>Measurement &amp; Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>EDL 665</td>
<td>Administration Planned Change</td>
<td>3</td>
</tr>
<tr>
<td>EDL 670</td>
<td>Human Resource Development</td>
<td>3</td>
</tr>
<tr>
<td>EDL 675</td>
<td>Curriculum Develop &amp; Practice</td>
<td>3</td>
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<tr>
<td>EDL 685</td>
<td>Seminar in Admin of Curriculum</td>
<td>3</td>
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<tr>
<td>EDL 690</td>
<td>Managing Financial Resources</td>
<td>3</td>
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<tr>
<td>SPE 621</td>
<td>Law, Pol &amp; Proc for SE Sup</td>
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<td>SPE 622</td>
<td>Admin &amp; Supv:Spec Ed Progs</td>
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<tr>
<td>SPE 623</td>
<td>Advanced Fieldwork/Seminar</td>
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<td>SPE 624</td>
<td>Adv Super &amp; Curr Fieldwk/Sem</td>
<td>3</td>
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</tbody>
</table>

M.S. in Education with a Concentration in Educational Leadership Without Certification

Admission Requirements and Procedures
The Master of Science degree includes a Master of Science with a concentration in Educational Leadership geared towards school leaders, specifically Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents. For students with a previous M.S. degree, Graduate Teacher and Administrative Certificates (post-graduate program) certification programs are offered in each of those same fields (Curriculum Supervisors, Special Education Supervisors, Principals, and Superintendents).

The Master of Science degree with a concentration in Educational Leadership is a 36-credit professional degree that may also lead toward certification as a school supervisor (of curriculum and instruction in one’s certification area, including special education) or principal. Prior acceptance in the program, an informal phone interview is required. Students are advised to contact the Director of Educational Leadership graduate programs for all advising needs – including academic progress and compliance for certification – on a semester basis.

Students must be formally admitted to the Educational Leadership program for certification eligibility. Five years of teaching experience (minimum three by the time of acceptance in the program) or experience related to the instructional process is required. A valid teaching certification or a chief school administrator’s verification of the completion of three years of relevant professional experience in an educational setting related to the instruction process must be included in the application materials. Students not seeking a certification and only seeking a Master’s with a concentration in Educational Leadership do not need a valid teaching certification and/or five years of full-time teaching experience.

Since Spring 2012, this program is offered online, as well as face-to-face. The curriculum and program requirements are the same for all online and face-to-face students.

In order to be eligible for programs leading to certification within the Educational Leadership combination offerings, applicants must be U.S. citizens or legal permanent residents. Application requirements are as follows:
$35 application fee.

Finally, professional development is offered via the Digital Teacher Professional Development Program. The Digital Teacher Professional Development consists of five courses that are designed to prepare classroom teachers for the successful and seamless integration of technology using the school district’s curriculum.

Course Load

All courses must be completed at the 500 level or above. A full-time course load is three courses (9 credits) per term for fall and spring semesters, and four courses (12 credits) for the summer term. Working professionals may not register for more than two courses (6 credits) for the fall and spring terms and two courses (6 credits) for each summer term. Course load may be further discussed with the academic advisor on a one-on-one basis.

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(36 credits)

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<td>EDL 605</td>
<td>Critical Contemp Ed Issues</td>
<td>3</td>
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<tr>
<td>EDL 655</td>
<td>Interpersonal Relations</td>
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<td>EDL 675</td>
<td>Curriculum Develop &amp; Practice</td>
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<tr>
<td>EDL 680</td>
<td>Law &amp; American Ed</td>
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<td>EDL 685</td>
<td>Seminar in Admin of Curriculum</td>
<td>3</td>
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<tr>
<td>EDL 690</td>
<td>Managing Financial Resources</td>
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<td></td>
<td>Select two electives</td>
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**M.S. with Program Specialist Endorsement in English as a Second Language**

**Endorsement in English as a Second Language (ESL)**

Althier Lazar, Director
alazar@sju.edu

The ESL training program at Saint Joseph’s University is designed to prepare teachers who have a valid Pennsylvania Instructional I or II certificate to obtain the Pennsylvania Program Specialist-ESL endorsement. The program aims to help candidates develop theoretical understanding and pedagogical knowledge and skills that are needed in working with students who are learning English as a second language.

**Learning Goals and Objectives**

**Goal 1:** The student will demonstrate an understanding of language as an integrative system.

**Objective 1.1:** The student will describe the components of language (phonology-the sound system; morphology-the structure of words; syntax-phrase and sentence structure; semantics-word/sentence meaning; pragmatics-the effect of context on language).

**Objective 1.2:** The student will demonstrate an understanding of how to apply knowledge of language as an integrated system to help ELLs acquire English.

**Goal 2:** The student will demonstrate an understanding of concepts, theories, research, and practice to facilitate the acquisition of a new language. (understand and apply” instead of ‘demonstrate’)

**Objective 2.1:** The student will apply the theory of comprehensible input to support emergent bilinguals’ development of a new language.

**Objective 2.2:** The student will demonstrate an ability to create a secure, positive, and motivating learning environment for emergent bilinguals.

**Goal 3:** The student will demonstrate an understanding of the role of culture in language development and academic achievement for emergent bilinguals.

**Objective 3.1:** The student will recognize how cultural values and beliefs shape language development.

**Objective 3.2:** The student will apply knowledge about the effects of racism, stereotyping, and discrimination to ESL teaching and learning.

**Goal 4:** The student will demonstrate understandings about the concepts, research, and best practices to plan classroom instruction for emergent bilinguals

**Objective 4.1:** The student will plan instruction based on the concepts, research and practices recommended for emergent bilinguals.

**Objective 4.2:** The student will plan learning experiences based on an assessment of students’ language proficiency and prior knowledge.

**The English as a Second Language Program Specialist-ESL Endorsement Program requires 16 credits plus field experience hours**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDU 646</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>EDU 710</td>
<td>English Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>EDU 712</td>
<td>Topics in Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15 hours of field experience</td>
<td></td>
</tr>
<tr>
<td>EDU 713</td>
<td>Method Teach English Sec Lang</td>
<td>3</td>
</tr>
<tr>
<td>EDU 713F</td>
<td>FE/Meth Teach English Sec Lang</td>
<td>0</td>
</tr>
<tr>
<td>EDU 714</td>
<td>Intnshp-ESL/Bilingual Programs (30 contact hours)</td>
<td>4</td>
</tr>
</tbody>
</table>
This graduate program prepares educators to meet the literacy needs of children. This program is suited to classroom teachers who wish to become reading specialists, or those teachers who want to provide appropriate instruction for the wide range of needs within the regular classroom.

Students in the Reading Specialist program are expected to have obtained their Pennsylvania Instructional I certification. Noncertified students accepted into the program will be expected to complete Pennsylvania Instructional I elementary certification while pursuing the specialist certification or the M.S. degree.

Learning Goals and Objectives

Goal 1: The student demonstrates an understanding of instruction and materials, and an integrated, balanced curriculum to support student learning in reading and writing.

Objective 1.1: The student will demonstrate an understanding of the research and literature that undergirds the reading and writing curriculum and instruction for pre-K–12 students.

Objective 1.2: The student will provide appropriate in-depth instruction for students, especially those who struggle with reading and writing.

Goal 2: The student will understand types of assessments and their purposes, strengths, and limitations.

Objective 2.1: The student will demonstrate an understanding of the literature and research related to assessments and their uses and misuses.

Objective 2.2: The student will administer and interpret appropriate assessments for students, especially those who struggle with reading and writing.

Goal 3: The student will understand the role of cultural diversity in planning literacy instruction.

Objective 3.1: The student will demonstrate an understanding of the ways in which diversity influences students’ reading and writing development.

Objective 3.2: The student will plan and implement literacy instruction based on knowledge of students’ cultural backgrounds.

Goal 4: The student will demonstrate understandings how to create literate environments that foster reading and writing development.

Objective 4.1: The student will demonstrate an understanding of the research on motivation and its effect on literacy learning.

Objective 4.2: The student will design a social environment to optimize students’ motivation and engagement in learning to read and write.

The M.S. degree requires a total of 36 credits, as follows:

<table>
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<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>EDU 646/646F</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>EDU 671</td>
<td>Writing in the Classroom</td>
<td>3</td>
</tr>
<tr>
<td>EDU 700</td>
<td>Psychology of Literacy</td>
<td>3</td>
</tr>
<tr>
<td>EDU 701</td>
<td>Assess &amp; Instr in Liter K-3 (pre-requisite EDU 700 and EDU 702)</td>
<td>3</td>
</tr>
<tr>
<td>EDU 702</td>
<td>Assess &amp; Instr in Liter 4-12</td>
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<tr>
<td>EDU 703</td>
<td>Literacy Research</td>
<td>3</td>
</tr>
<tr>
<td>EDU 704</td>
<td>Plng &amp; Org a Literacy Program</td>
<td>3</td>
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<tr>
<td>EDU 705</td>
<td>Literacy Practicum 2</td>
<td>6</td>
</tr>
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</table>

1 Meets SPE 602; Diagnostic Assessment and Progress Monitoring
2 Practicum runs last two weeks in June and 4 weeks in July

PDE Chapter 49 regulation courses is not completed as part of undergraduate program:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>SPE 600/600F</td>
<td>Found &amp; Current Issues: Sp Edu</td>
<td>3</td>
</tr>
<tr>
<td>SPE 612/612F</td>
<td>Inclusive Classroom Practices</td>
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Elective Option One: Program Specialist Certificate in ESL:

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<tr>
<td>EDU 710</td>
<td>English Linguistics</td>
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</tr>
<tr>
<td>EDU 712</td>
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</tr>
<tr>
<td>EDU 713</td>
<td>Method Teach English Sec Lang</td>
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</tr>
<tr>
<td>EDU 714/714F</td>
<td>Intnshp-ESL/Bilingual Programs</td>
<td>4</td>
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</table>

Master of Science in Instructional Technology with Instructional Technology Specialist Certification

Program Description

The online instructional design and technology graduate program from Saint Joseph’s University helps you harness the latest technology tools and interactive, multi-media strategies to advance learning and comprehension in an instructional setting. This advanced specialty degree is built on a curriculum of hands-on practice and experience with the cutting-edge technologies that are used daily in modern classrooms and corporate training environments.

With classes in multimedia production, instructional design, emerging technologies, alternative instruction and more, the online instructional design and technology Master’s program from Saint Joseph’s University arms you with the theory and hands-on experience necessary to aid teachers in their quest to bring technology into the classroom, or to position yourself as a leader in delivering effective adult education and training in the private sector. Moreover, graduates are eligible for Instructional Technology Specialist Certification in the Pennsylvania public school system, a credential that can be the basis for educational certification in many other states as well.
Admissions Requirements
Bachelors’ Degree with an overall GPA of 3.0 or higher

Internship Requirement for the PA Instructional Technology Specialist Certification
Field Experience in a K-12 school setting
Field Experience must take place while taking the Graduate Internship course during a 16 week semester (Spring, Summer, or Fall)

Required Clearances for the Graduate Internship
Prior to beginning the Graduate Internship, students must submit the SJU Background Clearance Document verifying that they have obtained all required clearances for their state
All clearances must be valid through the end of your Graduate Internship

Learning Goals and Objectives
Goal 1: Students will develop and implement a shared vision for the comprehensive integration of technology throughout the instructional environment
Objective 1.1: Students will develop technology-infused strategic plans at the district and school level.
Objective 1.2: Students will implement strategies for sustaining technology innovations.

Goal 2: Students will use technology effectively for differentiating student learning
Objective 2.1: Students will create technology-enhanced learning experiences
Objective 2.2: Students will incorporate research-based best practices in instructional design

Goal 3: Students will create effective digital age learning environments to maximize the learning of all students
Objective 3.1: Students will select and evaluate adaptive and assistive technologies to support student learning.
Objective 3.2: Students will evaluate digital tools and resources that enhance teaching and learning.

Goal 4: Students will develop technology-related professional learning
Objective 4.1: Students will conduct needs assessments to inform the content and delivery of technology-related professional learning programs
Objective 4.2: Students will design technology-related professional learning programs

Goal 5: The student will demonstrate the ability to become an agent who can deliver on the Jesuit promise of educational justice.
Objective 5.1: The student will demonstrate the ability to interact positively and respectfully with those of different racial, ethnic, language and socioeconomic backgrounds and sexual orientations through collaboration with their peers.
Objective 5.2: The student will demonstrate the ability to challenge practices and policies that reinforce inequalities and equitable access to technology for all learners.

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<th>Code</th>
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<tbody>
<tr>
<td>ITS 605</td>
<td>Technology Appl for Classroom</td>
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<tr>
<td>ITS 610</td>
<td>Apply Theory Lrn Interact Tech</td>
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<tr>
<td>ITS 615</td>
<td>Intro to Interact Technology</td>
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</tr>
<tr>
<td>ITS 620</td>
<td>Multimedia Productions</td>
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<td>ITS 625</td>
<td>Res in Instruct Technology</td>
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<td>SPE 630</td>
<td>Design&amp;Tech Differentiated Ins</td>
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<td>ITS 640</td>
<td>Technology Plan Across Curr</td>
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<tr>
<td>ITS 646</td>
<td>Cultur Ling: Diversity &amp; Techn</td>
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Electives
Select one of the following:
- ITS 635 Networks:Config & Implement
- ITS 645 Teach & Learn at a Distance
- ITS 655 Del Instruct-Interact Peripher
- Graduate Internship
- ITS 695 Graduate Internship

1 Required for PA Instructional Technology Specialist Certification
2 Must successfully complete all core courses and obtain required clearances

Master of Science in Instructional Technology Without Certification
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Admissions Requirements
Bachelors’ Degree with an overall GPA of 3.0 or higher

Learning Goals and Objectives
Goal 1: Students will develop and implement a shared vision for the comprehensive integration of technology throughout the instructional environment
Objective 1.1: Students will develop technology-infused strategic plans at the district and school level.

Objective 1.2: Students will implement strategies for sustaining technology innovations.

Goal 2: Students will use technology effectively for differentiating student learning

Objective 2.1: Students will create technology-enhanced learning experiences

Objective 2.2: Students will incorporate research-based best practices in instructional design

Goal 3: Students will create effective digital age learning environments to maximize the learning of all students

Objective 3.1: Students will select and evaluate adaptive and assistive technologies to support student learning.

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Objective 4.1: Students will conduct needs assessments to inform the content and delivery of technology-related professional learning programs

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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ITS 605</td>
<td>Technology Applications for Learning Environments</td>
<td>3</td>
</tr>
<tr>
<td>ITS 610</td>
<td>Applying Theories of Learning to Technology</td>
<td>3</td>
</tr>
<tr>
<td>ITS 615</td>
<td>Interactive and Emerging Technologies</td>
<td>3</td>
</tr>
<tr>
<td>ITS 620</td>
<td>Multimedia Productions</td>
<td>3</td>
</tr>
<tr>
<td>ITS 625</td>
<td>Research in Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>ITS 630</td>
<td>Design and Technologies for Differentiated Instruction</td>
<td>3</td>
</tr>
<tr>
<td>ITS 640</td>
<td>Technology Planning</td>
<td>3</td>
</tr>
<tr>
<td>ITS 646</td>
<td>Cultural/Linguistic Diversity and Technology</td>
<td>3</td>
</tr>
<tr>
<td>ITS 645</td>
<td>Teaching and Learning at a Distance</td>
<td>3</td>
</tr>
<tr>
<td>ITS 655</td>
<td>Delivering Instruction Using Interactive Peripherals</td>
<td>3</td>
</tr>
<tr>
<td>ITS 695</td>
<td>Instructional Technology Internship</td>
<td>3</td>
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</table>

Course Delivery Options (Graduate)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Course Delivery Options (Traditional/ClassroomBased; O=Online; H=Hybrid)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 605</td>
<td>Technology Applications for Learning Environments</td>
<td>O</td>
</tr>
<tr>
<td>ITS 610</td>
<td>Applying Theories of Learning to Technology</td>
<td>O</td>
</tr>
<tr>
<td>ITS 615</td>
<td>Interactive and Emerging Technologies</td>
<td>O</td>
</tr>
<tr>
<td>ITS 620</td>
<td>Multimedia Productions</td>
<td>O</td>
</tr>
<tr>
<td>ITS 625</td>
<td>Research in Instructional Technology</td>
<td>O</td>
</tr>
<tr>
<td>ITS 630</td>
<td>Design and Technologies for Differentiated Instruction</td>
<td>O</td>
</tr>
<tr>
<td>ITS 640</td>
<td>Technology Planning</td>
<td>O</td>
</tr>
<tr>
<td>ITS 646</td>
<td>Cultural/Linguistic Diversity and Technology</td>
<td>O</td>
</tr>
<tr>
<td>ITS 645</td>
<td>Teaching and Learning at a Distance</td>
<td>O</td>
</tr>
<tr>
<td>ITS 655</td>
<td>Delivering Instruction Using Interactive Peripherals</td>
<td>O</td>
</tr>
<tr>
<td>ITS 695</td>
<td>Instructional Technology Internship</td>
<td>H</td>
</tr>
</tbody>
</table>

Master of Science in Special Education (without certification)

The Masters of Education in Special Education without certification requires 36 hours of coursework aimed at preparing educators and practitioners in the foundations of Special Education without state teaching certification.

Program Goals and Objectives

Objective 1.1: The student will be able to identify individual differences and to respond to the needs of individuals with exceptionalities.

Objective 1.2: The student will be able to use general and specialized content knowledge for teaching across curricular content areas to individualize learning for individuals with exceptionalities.
**Objective 2.1:** The student will demonstrate the ability to use motivational and instructional interventions to teach individuals with exceptionalities how to adapt to different environments.

**Objective 2.2:** The student will demonstrate an understanding of ways to collaborate with general educators and other colleagues to create safe, inclusive, culturally responsive learning environments to engage individuals with exceptionalities in meaningful learning activities and social interactions.

**Objective 3.1:** The student will be able to select and use technically sound formal and informal assessments that minimize bias.

**Objective 3.2:** The student will assess performance and provide feedback.

**Objective 4.1:** The student will be able to identify an individual’s abilities, interests, learning environments, and cultural and linguistic factors in the selection, development, and adaptation of learning experiences for individuals with exceptionalities.

**Objective 4.2:** The student will be able to use strategies and technology to enhance language development and communication skills of individuals with exceptionalities.

**Objective 5.1:** The student will demonstrate an understanding that diversity is a part of families, cultures, and schools, and that complex human issues can interact with the delivery of special education services.

**Objective 5.2:** The student will demonstrate the ability to develop a variety of education and transition plans for individual with exceptionalities across a wide range of settings and different learning experiences in collaboration with individuals, families and teams.

The course of study consists of:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SPE 630</td>
<td>Design&amp;Tech Differentiated Ins</td>
<td>3</td>
</tr>
<tr>
<td>SPE 700</td>
<td>SpecialEducation Law/Policy</td>
<td>3</td>
</tr>
<tr>
<td>SPE 701</td>
<td>Cog Proc: Resrch Brain Studies</td>
<td>3</td>
</tr>
<tr>
<td>SPE 702</td>
<td>Culturally Responsive Teaching</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 8 electives as approved by the graduate director or advisor. These can be drawn from Special Education courses including those leading to:

- Autism Endorsement
  - SPE 720 Intro ASD: Caus Diag & Advoc
  - SPE 720F FE Intro to ASD
  - SPE 721 Aug & Alt Com & Soc Stratg
  - SPE 721F FE Aug & Alt Com & Soc Stratg
  - SPE 722 Evid Based Prac: AI&I Method
  - SPE 722F FE Evid Based Prac AI&I Method
  - SPE 723 Autism: Behv Manag Approaches
  - SPE 723F FE Aut: Behv Manag Approaches

**Wilson Reading Certificate**

- SPE 710 WRP: Intro Multisens Lang Inst
- SPE 711 WRP: Int Instr- NonRepsRdr 1-3
- SPE 712 WRP: Int Instr- NonRepsRdr 4-6
- SPE 713 WRP: Int Instr- NonRepsRdr Prac

Applied Behavioral Analysis

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABA 622</td>
<td>Basic Prin. of Behav Analysis</td>
<td></td>
</tr>
<tr>
<td>ABA 623</td>
<td>Applied Behavior Analysis</td>
<td></td>
</tr>
<tr>
<td>ABA 624</td>
<td>Behavior Analysis: Consult</td>
<td></td>
</tr>
<tr>
<td>ABA 625</td>
<td>Behavioral Development</td>
<td></td>
</tr>
<tr>
<td>ABA 626</td>
<td>Clinical Behavior Analysis</td>
<td></td>
</tr>
<tr>
<td>ABA 657</td>
<td>Ethics in Behavior Analysis</td>
<td></td>
</tr>
</tbody>
</table>

* Note: The Wilson Reading Certificate and the Applied Behavior Analysis track require either a practicum or extensive clinical hours.

**Online Accelerated Teacher Certification**

Kenneth Rovine, Director
Merion Hall 227
610-660-3285
krovine@sju.edu

OATCERT is an online, campus-free program which can lead to Pennsylvania secondary teacher certification (grades 7-12) as well as to an MS in Secondary Education. Candidates must hold a bachelor’s degree in one of the content areas for which certification is endorsed:

- English,
- Mathematics,
- Science (Biology, Chemistry, General Science, Physics), and
- Citizenship.

Note: Course requirements (number and topics) subject to change based upon PA Department of Education regulations.

**Goals & Objectives (See Secondary Education Goals & Objectives)**

**Required courses for PA Certification**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>EDU 550/550F</td>
<td>Hist &amp; Contemp Perspect Educ</td>
<td>3</td>
</tr>
<tr>
<td>EDU 557/557F</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU 646/646F</td>
<td>Language &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>EDU 647/647F</td>
<td>Literacy &amp; Learn Across Curric</td>
<td>3</td>
</tr>
<tr>
<td>EDU 625-EDU 627/F: Instructional Techniques – Discipline Specific</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPE 600/600F</td>
<td>Found &amp; Current Issues: Sp Edu</td>
<td>3</td>
</tr>
<tr>
<td>SPE 601</td>
<td>EducAssessment&amp;ProgMonitoring</td>
<td>3</td>
</tr>
<tr>
<td>SPE 615/615F</td>
<td>Tching Inclsv Adol Envrnmnts</td>
<td>3</td>
</tr>
<tr>
<td>EDU 691</td>
<td>Secondary Student Teaching</td>
<td>6</td>
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</table>

**Prescribed Electives for MS degree**

- EDU 600 Educ Lead Research&Refl Pract
- EDU 605 Critical Contemp Ed Issues
- EDU 680 Law & American Ed
- ITS 605 Technology Appl for Classroom
- SPE 630 Design&Tech Differentiated Ins

Other electives may be substituted with the permission of the OATCERT Director.
Organizational Development & Leadership B.L.S.

Learning Goals and Objectives for the Organizational Development & Leadership Program

Goal 1: Students will be able to identify and articulate the history, principles and theories of organization development

Objective 1.1: The student will describe models and theories of learning, group dynamics, consulting and coaching and organizational change.

Objective 1.2: The student will demonstrate their knowledge of the effects of utilizing recommended models, theories, and techniques of feedback in practical scenarios addressing consulting, learning, and leadership.

Objective 1.3: The student will identify patterns of and reactions to organizational change.

Goal 2: Students will foster the development of interpersonal and leadership competencies for lifelong learning in themselves and others.

Objective 2.1: The student will document growth in self-awareness through learning activities and knowledge grounded in current research and models of leadership development.

Objective 2.2: The student will articulate the relationships between learning, leadership, and change.

Objective 2.3: The student will document their experiences of experimenting with various leadership behaviors and evaluate their effectiveness.

Objective 2.4: The student will demonstrate their awareness of the influence of family background; roles, gender, race, ethnicity, and sexual orientation play in individual development.

Goal 3: Students will demonstrate academic research and writing.

Objective 3.1: The student will distinguish the differences between research based theories and philosophies and beliefs.

Objective 3.2: The student will demonstrate skill in using APA style in research writing activities.

Objective 3.3: The student will create a final capstone project that demonstrates ability to apply models and theories to work situations.

Students admitted prior to Summer 2016 entered under the curriculum requirements for the BS in Organizational Development and Leadership. Please see the SJU Academic Catalog for your admit year for additional information.

General Education Program Courses

(See Curricula [https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep])

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<thead>
<tr>
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<td>Social Science: PSY 100</td>
<td>Introductory Psychology</td>
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GEP Integrative Learning Component

Two Courses

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<tbody>
<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 102</td>
<td>Social Problems</td>
<td></td>
</tr>
<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
<td>3</td>
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<tr>
<td>or ENG 264</td>
<td>Techniques of Bus Presentation</td>
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Major Concentration

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 210</td>
<td>Research Methods (PSY 100)</td>
<td>4</td>
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<tr>
<td>PSY 211</td>
<td>Stats for the Social Sciences</td>
<td>4</td>
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<tr>
<td>Select any 100-200 level PSY course</td>
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<tr>
<td>ODL 200</td>
<td>Career &amp; Personal Development</td>
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<tr>
<td>ODL 300</td>
<td>Organizational Development</td>
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<tr>
<td>ODL 310</td>
<td>Group &amp; Team Dynamics</td>
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<tr>
<td>ODL 320</td>
<td>Leadership &amp; Development</td>
<td></td>
</tr>
<tr>
<td>ODL 330</td>
<td>Issues in Organizational Development</td>
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</tr>
<tr>
<td>ODL 340</td>
<td>Coaching &amp; Consulting</td>
<td></td>
</tr>
<tr>
<td>ODL 400</td>
<td>Cap Proj - Org Development</td>
<td></td>
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Special Education Studies Minor

A minor in Special Education Studies is available for undergraduates who are interested in building a foundation in special education without pursuing PDE certification.

Six courses are required for the minor:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Required Core</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPE 160 &amp; 160F</td>
<td>Intro to Special Education and FE Intro to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPE 200 &amp; 200F</td>
<td>Teaching in Inclusive Environment and FE Teaching in Inclusive Environment</td>
<td>3</td>
</tr>
<tr>
<td>SPE 379</td>
<td>Fam School &amp; Comm:Diverse Soc</td>
<td>3</td>
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<tr>
<td>Select three other courses from the list below:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPE 319</td>
<td>Assessment:Ident &amp; Progr Monit</td>
<td></td>
</tr>
<tr>
<td>SPE 329</td>
<td>Educ Stds w/High Incid Disabil</td>
<td></td>
</tr>
<tr>
<td>SPE 339</td>
<td>Educ Stds w/Low Incid Disabil</td>
<td></td>
</tr>
<tr>
<td>SPE 349</td>
<td>Literacy &amp; Intervention Strat</td>
<td></td>
</tr>
<tr>
<td>SPE 359</td>
<td>Math &amp; Content Area Interv Str</td>
<td></td>
</tr>
<tr>
<td>SPE 369</td>
<td>Ed Stds w/Emot-Social Beh Disb</td>
<td></td>
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</tbody>
</table>

Special Education: PK-8

Special Education - Program Overview

Saint Joseph's University Department of Special Education centers its philosophical and practical mission on attaining social justice and democracy through the education of reflective, activist-oriented teacher candidates and practicing teachers. Faculty members are committed
to a disposition of academic rigor and professional integrity across our undergraduate, post-baccalaureate, and graduate programs.

The Special Education Department is focused on helping teachers respect the knowledge traditions of students from non-dominant cultural communities as these students have been historically excluded from educational curricula. Such practices provide a framework that incorporates all aspects of learning, cognitive, linguistic, social-emotional, and cultural variables. This includes recognizing students’ “funds of knowledge” and the diversity of cultural capital that exists in all homes and communities. Department faculty strive to support future teachers’ adoption of practices that celebrate the unique personality traits, talents and learning differences of individual learners. This will prepare future teachers to help their students become resilient to unwanted peer pressure and bullying, and who actively challenge these and other negative influences.

Special Education PK-8 must be a double major with Elementary PK-4.

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of PK-8 learner development and curricular content

Objective 1.1: The student will be able to identify individual differences and to respond to the needs of individuals with exceptionalities.

Objective 1.2: The student will be able to use general and specialized content knowledge for teaching across curricular content areas to individualize learning for individuals with exceptionalities.

Goal 2: Students will demonstrate the ability to create positive PK-8 learning environments

Objective 2.1: The student will demonstrate the ability to use motivational and instructional interventions to teach individuals with exceptionalities how to adapt to different environments.

Objective 2.2: The student will demonstrate an understanding of ways to collaborate with general educators and other colleagues to create safe, inclusive, culturally responsive learning environments to engage individuals with exceptionalities in meaningful learning activities and social interactions.

Goal 3: Students will demonstrate the use of assessment for diagnosis and progress monitoring

Objective 3.1: The student will be able to select and use technically sound formal and informal assessments that minimize bias.

Objective 3.2: The student will assess performance and provide feedback.

Goal 4: Students will demonstrate knowledge of research-based instructional planning and strategies

Objective 4.1: The student will be able to identify an individual’s abilities, interests, learning environments, and cultural and linguistic factors in the selection, development, and adaptation of learning experiences for individuals with exceptionalities.

Objective 4.2: The student will be able to use strategies and technology to enhance language development and communication skills of individuals with exceptionalities.

Goal 5: Students will demonstrate knowledge of professional ethical practice

Objective 5.1: The student will demonstrate an understanding that diversity is a part of families, cultures, and schools, and that complex human issues can interact with the delivery of special education services.

Objective 5.2: The student will demonstrated the ability to develop a variety of education and transition plans for individual with exceptionalities across a wide range of settings and different learning experiences in collaboration with individuals, families and teams.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

Saint Joseph’s University has established a General education program for all undergraduate students: The following courses must be included as GEP courses for education majors:

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses
Goal 1: Students will demonstrate knowledge of PK-8 learner development and curricular content

Objective 1.1: The student will be able to identify individual differences and to respond to the needs of individuals with exceptionalities.

Objective 1.2: The student will be able to use general and specialized content knowledge for teaching across curricular content areas to individualize learning for individuals with exceptionalities.

Goal 2: Students will demonstrate the ability to create positive grade PK-8 learning environments

Objective 2.1: The student will plan, structure, and conduct assessment for instructional planning and strategies

Objective 2.2: The student will demonstrate an understanding of ways to collaborate with general educators and other colleagues to create safe, inclusive, culturally responsive learning environments to engage individuals with exceptionalities in meaningful learning activities and social interactions.

Goal 3: Students will demonstrate the use of assessment for diagnosis and progress monitoring

Objective 3.1: The student will be able to select and use technically sound formal and informal assessments that minimize bias.

Objective 3.2: The student will assess performance and provide feedback.

Goal 4: Students will demonstrate knowledge to use research-based instructional planning and strategies

Objective 4.1: The student will be able to identify an individual’s abilities, interests, learning environments, and cultural and linguistic factors in the selection, development, and adaptation of learning experiences for individuals with exceptionalities.

Objective 4.2: The student will be able to use strategies and technology to enhance language development and communication skills of individuals with exceptionalities.

Goal 5: Students will demonstrate knowledge of professional ethical practice

Objective 5.1: The student will demonstrate an understanding that diversity is a part of families, cultures, and schools, and that complex human issues can interact with the delivery of special education services.

Objective 5.2: The student will demonstrated the ability to develop a variety of education and transition plans for individual with exceptionalities across a wide range of settings and different learning experiences in collaboration with individuals, families and teams.

Endorsement Goals and Objectives

Autism Spectrum Disorders Endorsement

Goal 1: Students will demonstrate knowledge of the characteristics and etiology of ASD

Objective 1.1: The student will describe the defining characteristics of and diagnostic criteria for the various Autism Spectrum Disorders and other associated disorders, including common manifestations within communication and verbal behavior, social skills and social adaptation, repetitive and stereotypical behaviors, and patterns of responses to various sensory stimuli.

Objective 1.2: The student will identify and describe various diagnostic instruments and procedures, including their strengths and limitations.

Goal 2: Students will demonstrate an understanding of the use of assessment for instructional planning

Objective 2.1: The student will plan, structure, and conduct assessment for students with ASD.
**Objective 2.2:** The student will identify and demonstrate acceptable accommodations and appropriate adaptations to state- and district-wide assessments for students with ASD.

**Goal 3:** Students will demonstrate the ability to plan instructional interventions and methods across settings and grade levels.

**Objective 3.1:** The student will describe, interpret, utilize, and evaluate instructional strategies based on the principles of applied behavior analysis.

**Objective 3.2:** The student will demonstrated the ability to organize classroom teams to provide effective intervention and instruction by developing and managing a daily schedule for students and multiple staff that specifies appropriate levels.

**Goal 4:** Students will demonstrate the skills necessary to effectively collaborate with families, agencies, and the community

**Objective 4.1:** The student will demonstrate the ability to facilitate family and school collaboration by demonstrating sensitivity to the range of the impact that ASD may have on the family system.

**Objective 4.2:** The student will identify various agencies and community systems that support students with ASD in home, community, and work settings

**Education of the Deaf and Hard of Hearing:**

**Goal 1:** The student will demonstrate knowledge of learners who are deaf and hard of hearing.

**Objective 1.1:** The student will describe the range of programming for a classroom with students who are deaf and hard of hearing.

**Objective 1.2:** The student will analyze case studies of communication modes for deaf and hard of hearing learners.

**Goal 2:** The student will demonstrate an understanding of learners who have hearing losses from mild to profound.

**Objective 2.1:** The student will define the classifications of hearing loss.

**Objective 2.2:** The student will describe the characteristics of learners in a classroom where a variety of hearing losses and methods of communication occur.

**Goal 3:** The student will demonstrate knowledge of appropriate practices encountered in the education of deaf and hard of hearing learners.

**Objective 3.1:** The student will define the eight areas of concern of the Pennsylvania Agenda for Students who are Deaf and Hard of Hearing.

**Objective 3.2:** The student will evaluate educational placement options for deaf and hard of hearing students.

**Goal 4:** The student will demonstrate knowledge of current trends used in the education of deaf and hard of hearing learners.

**Objective 4.1:** The student will implement and reflect upon pedagogical strategies used with learners who are deaf and hard of hearing.

**Objective 4.2:** The student will identify strategies to support specially designed instruction across educational environments.

**Goal 5:** The student will demonstrate an understanding of the social, ethical, legal, and human issues that impact programs for deaf and hard of hearing learners

**Objective 5.1:** The student will create learning experiences for deaf and hard of hearing learners.

**Objective 5.2:** The student will analyze case studies to determine specially designed instruction and accommodations for learners who are deaf and hard of hearing.

**Wilson Reading Program Certification**

**Objective 1.1:** Demonstrate mastered lesson plan procedure through Step 4.2 (documented by Wilson Trainer).

**Objective 1.2:** Demonstrate understanding of language concepts through accurate teaching with multisensory procedures through Step 4.2 (documented by Wilson Trainer).

**Objective 1.3:** Demonstrate student success and mastery of decoding/encoding skills through Step 4.2 (documented by Wilson Trainer).

**Objective 2.1:** Based on readings and course content, understand the research base for multisensory structured language teaching.

**Objective 2.2:** Based on readings and course content, understand the necessary principles of instruction used to teach students with a language-based learning disability.

**Objective 2.3:** Based on knowledge of the Wilson Reading System, demonstrate an understanding of the content and methods of teaching Steps 1-3 of the Wilson Reading System.

**Objective 2.4:** Based on knowledge of research based reading programs, utilize multisensory strategies to teach sight words, vocabulary, and comprehension

**Objective 3.1:** Based on an understanding of the nature and causes of dyslexia, be able to critically analyze and synthesize readings on dyslexia.

**Objective 3.2:** Based on readings and course content, understand the nature and causes of dysgraphia.

**Objective 3.3:** Based on readings and course content, understand the research base for multisensory structured language teaching.

**Objective 3.4:** Based on readings and course content, understand the necessary principles of instruction used to teach students with a language-based learning disability

**Objective 3.5:** Based on knowledge of the Wilson Reading System, demonstrate an understanding of the content and methods of teaching Steps 4-6 of the Wilson Reading System.

**Objective 3.6:** Based on knowledge of the Wilson Reading System, demonstrate how to incorporate non-controlled text reading within the Wilson Reading System Lesson Plan.

**Objective 4.1:** Based on knowledge of the Wilson Reading System Lesson Plan procedures, demonstrate mastery in the teaching of decoding, encoding, fluency, comprehension, and vocabulary.

**Objective 4.2:** Based on knowledge of the Wilson Reading System, demonstrate diagnostic skill assessment and planning for a student with reading challenges.
Objective 4.3: Demonstrate an understanding of the language concepts through accurate teaching with multisensory procedures

Objective 4.4: Demonstrate student success and mastery of decoding and encoding skills

Objective 4.5: Demonstrate understanding of and ability to implement progress monitoring

Prerequisites

Students applying for Special Education certification must have a valid Pennsylvania Instructional I Teaching Certification. In the event that Pennsylvania Instructional I has not yet been acquired, the student must be in the process of obtaining it. A Master’s degree in Special Education is available with 3 additional courses (electives); the various suggested tracks are listed below.

Certification Requirements PK-8 or 7-12

- GPA
- Pass ES Pearson Spec Ed PK-8 Module 1 (8011) and Spec Ed PK-8 Module 2 (8012) (www.nesinc.com)

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>SPE 600/600F</td>
<td>Found &amp; Current Issues: Sp Edu</td>
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</tr>
<tr>
<td>SPE 602/602F</td>
<td>DiagnosticAsses/ProgressMon</td>
<td>3</td>
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<tr>
<td>SPE 603/603F</td>
<td>Thry&amp;InstrPracticeStdntHighInc</td>
<td>3</td>
</tr>
<tr>
<td>SPE 604/604F</td>
<td>RsrchBsedModel:Lit,WritOrlLang</td>
<td>3</td>
</tr>
<tr>
<td>SPE 605/605F</td>
<td>RsrchBasedModel:MathSciencePro</td>
<td>3</td>
</tr>
<tr>
<td>SPE 606</td>
<td>ThryInstrPract:Emot/Soc/Behav</td>
<td>3</td>
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<tr>
<td>SPE 607/607F</td>
<td>ThryInstrPractStdntsW/LowInc</td>
<td>3</td>
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<tr>
<td>SPE 608/608F</td>
<td>FamiliesSchls&amp;CommCollab</td>
<td>3</td>
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</tbody>
</table>

Select one of the following:
- SPE 638/638F Incl Prac/Stud Teach PK-8
- SPE 639/639F Incl Prac/Stud Teach 7-12

Special Education Elective Tracks

Autism Spectrum Disorders Endorsement
- SPE 720 & 720F Intro ASD: Caus Diag & Advoc and FE intro to ASD
- SPE 722 & 722F Evid Based Prac: AI&I Method and FE Evid Based Prac AI&I Method
- SPE 723 & 723F Autism: Behv Manag Approaches and FE Aut: Behv Manag Approaches

Education of the Deaf and Hard of Hearing
- SPE 730 & 730F Ed Found - Deaf & Hard of Hear and FE Foundations-Deaf Hard of Hear
- SPE 731 & 731F Lang, Lit & Comm Dev-Deaf & HH and FE Lang/Lit/Comm For DHH
- SPE 732 & 732F Curr, Inst & Lm Env-Deaf & HH and FE Curric/Instruction/ DHH
- SPE 733 & 733F List & Spk Skills - Deaf & HH and FE Listen/Speak Skills DHH

Wilson Reading Program Certification
- SPE 710 WRP: Intro Multisens Lang Inst
- SPE 711 WRP: Int Instr- NonRepsRdr 1-3

Note: courses are those that have a field assignment.

Supervisor of Special Education Certification

This program is a cooperative effort of the Education Leadership Program and the Special Education Program of the Saint Joseph’s Graduate Education Unit. It combines the strength of two programs for the preparation of tomorrow’s leaders in inclusive schools. Students take coursework in organizational culture, management functions, curriculum and supervision, research and measurement, and gain additional expertise in elementary/secondary and special education (K-12).

The Supervisor of Special Education Certification Program requires 24 credits, which can be taken in conjunction with the M.S. in Education degree program (36 credits). In addition, by taking a few additional courses, Special Education Supervisor candidates can obtain a Curriculum Supervisor and/or a Principal’s Certification. Students are urged to maintain continued contact with the Special Education Department Chair to assure certification program compliance. Students must be formally admitted into the Special Education Supervisory Program for certification eligibility. In the event that certain content is missing in a student’s transcript, prerequisite courses may be deemed necessary before the Supervisory Certification Program can commence.

Learning Goals and Objectives

Goal 1: The student will demonstrate an understanding of and the ability to promote the success of all P-12 students by facilitating the shared school vision of learning supported by the stakeholders.

Objective 1.1: The student will collaboratively develop a shared vision of learning for a school that promotes the success of all P-12 students.

Objective 1.2: The student will articulate the components of this vision for a school and the leadership processes necessary to implement and support the vision.

Goal 2: The students will demonstrate an understanding of how to articulate a plan for a school culture that is conducive to P-12 student learning.

Objective 2.1: The student will create and evaluate a comprehensive, rigorous, and coherent curricular and instructional school program.

Objective 2.2: The student will develop a plan for the future supervision of the instructional and leadership capacity.

Goal 3: The student will demonstrate an understanding of the role of Special Education within the school and school district.

Objective 3.1: The student will demonstrate knowledge of the needs of Special Education programs in relation to budgeting and curriculum and instruction.

Objective 3.2: The student will demonstrate an understanding of standardized testing results for students with IEPs.

To earn the MS Degree in Educational Leadership – an additional 4 courses (12 credits) must be completed
Beginning in January 2012, the courses in this program will be offered either online or in a hybrid format.

Certification Requirements

- Pass PRAXIS Test 10410: Supervisor-Principal-Educational Leadership (www.ets.org/praxis)
- A valid Special Education teaching certificate
- At least 5 years of full-time teaching experience as a certified special education teacher

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDL 665</td>
<td>Administration Planned Change</td>
<td>3</td>
</tr>
<tr>
<td>EDL 670</td>
<td>Human Resource Development</td>
<td>3</td>
</tr>
<tr>
<td>EDL 685</td>
<td>Seminar in Admin of Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDL 690</td>
<td>Managing Financial Resources</td>
<td>3</td>
</tr>
<tr>
<td>SPE 621</td>
<td>Law, Pol &amp; Proced for SE Sup</td>
<td>3</td>
</tr>
<tr>
<td>SPE 622</td>
<td>Admin &amp; Supv:Spec Ed Progs</td>
<td>3</td>
</tr>
<tr>
<td>SPE 690</td>
<td>Managing Fin &amp; Material Resour</td>
<td>3</td>
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Required Fieldwork

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPE 623</td>
<td>Advanced Fieldwork/Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SPE 624</td>
<td>Adv Super &amp; Curr Fieldwk/Sem</td>
<td>3</td>
</tr>
</tbody>
</table>
Department Overview

Through its challenging and rewarding program of study, the English Department introduces students to the formative traditions of British, Irish, American, and Anglophone literature. We supplement these historical, critical, and generic courses with specialized courses that
1. offer an in-depth examination of individual authors and critical problems,
2. balance theory with the practice of rhetoric, and
3. develop creative talents.

Throughout our program, we integrate close reading and extensive writing, and we present fundamentals of research in order to foster intellectual maturity and to prepare our students for more advanced study in literature and writing.

Because we wish our English majors to explore their particular interests, we offer four tracks to guide their course selections:
1. literature,
2. writing,
3. theatre/drama, and
4. journalism.

There is a general major option as well for students who do not wish to declare a track. The English major thus equips our students to enter many careers, including teaching, publishing, editing, writing, and business. Current English graduates include college professors, teachers, journalists, novelists, poets, lawyers, pharmacists, physicians, and public-relations specialists. Dual English/Secondary Education majors do not declare a track.

Departmental Mission

Crucial to the centuries-old Ignatian vision that guided the establishment of Jesuit colleges and universities are two concepts: caring for the student as an individual (cura personalis) and imparting to the student a skill in thoughtful, imaginative, and well-organized language (eloquentia perfecta).

The English Department and its curriculum encourage the growth of our students in these traditions. Our courses guide them to appreciate imaginative literature and to master rhetorical skills traditionally associated with Jesuit education—including cultivating an individual and discerning voice in both writing and speaking.

We remain committed to the University’s mission by connecting faith, intellectual commitment, and social justice in our teaching. By offering service-learning and diversity courses and by developing mentoring relationships between faculty and students, we encourage a striving for the greater intellectual and social good.

The English Department supports the University mission by calling upon our students to embrace:
• A life-long openness to imaginative, moral, and spiritual growth
• A confidence in their own intellectual reach and competence
• A commitment to being men and women with and for others
• A commitment to social justice

English in the GEP (See Curricula)

Variable Core-Writing

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
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</table>

Signature Core-Cultural Legacy

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
</tbody>
</table>

Variable Core-Art or Literature

Students who wish to satisfy the Art or Literature portion of the GEP by completing a course in English literature may select from the list of GEP-appropriate courses at the 200 level or from the 300- and 400-level literature courses in the English program listing.

Professor: Ann E. Green, Ph.D.; April Lindner, Ph.D.; David R. Sorensen, D.Phil.; Jo Alyson Parker, Ph.D.; Melissa A. Goldthwaite, Ph.D.; Owen W. Gilman, Jr., Ph.D.; Peter Norberg, Ph.D.; Richard Fusco, Ph.D.


Assistant: Grace Wetzel, Ph.D.; Kersti Tarien Powell, D.Phil.; Laura Pattillo, Ph.D.; Shenid Bhayroo, Ph.D.; Thomas Coyne, M.F.A.

Chair: Norberg

Undergraduate Major
• English Major (p. 254)

Undergraduate Minors
• English (p. 258)
• Creative Writing (p. 258)
• Journalism (p. 259)
• Educational Studies (p. 258)

Graduate Degree
• Master of Arts in Writing Studies (p. 256)

Adult Undergraduate
• English and Professional Writing (p. 253)

English 200-Level Courses

Courses offered at the 200 level include courses geared toward non-majors wishing to fulfill the GEP Art/Literature requirement, intersession courses, and introductory courses in the major. Many of the courses numbered 200-219 are particularly appropriate for the GEP Art/Literature requirement. Courses numbered 220-299 are introductory-level major courses. The following are typically offered each semester:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 206</td>
<td>Public Speaking &amp; Presentation</td>
<td>3</td>
</tr>
<tr>
<td>ENG 222</td>
<td>SophSem:Critical App Lit Study</td>
<td>3</td>
</tr>
<tr>
<td>ENG 241</td>
<td>Creative Writing: Intro Wrkshop</td>
<td>3</td>
</tr>
<tr>
<td>ENG 261</td>
<td>News Reporting</td>
<td>3</td>
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</tbody>
</table>
Other 200-level courses are typically offered on two-year to four-year cycles.

**English 300-Level Courses**

Courses offered at the 300 level include general surveys and mid-level workshops.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 300-303</td>
<td>Medieval/Renaissance literature courses</td>
<td></td>
</tr>
<tr>
<td>ENG 304-319</td>
<td>British/Irish/Anglophone literature courses</td>
<td></td>
</tr>
<tr>
<td>ENG 320-330</td>
<td>American literature courses</td>
<td></td>
</tr>
<tr>
<td>ENG 331-339</td>
<td>Drama/theatre courses</td>
<td></td>
</tr>
<tr>
<td>ENG 340-359</td>
<td>Creative writing courses</td>
<td></td>
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<tr>
<td>ENG 360-369</td>
<td>Journalism courses</td>
<td></td>
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<tr>
<td>ENG 370-379</td>
<td>Junior-level independent study</td>
<td></td>
</tr>
<tr>
<td>ENG 380-389</td>
<td>Theory and genre studies courses</td>
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</table>

ENG 345 Tutor Practicum is offered every fall. The following are typically offered each year:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 341</td>
<td>Poetry Workshop</td>
<td>3</td>
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<tr>
<td>ENG 342</td>
<td>Fiction Workshop</td>
<td>3</td>
</tr>
<tr>
<td>ENG 343</td>
<td>Nonfiction Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>

Other 300-level courses are typically offered on two-year to four-year cycles.

**English 400-Level Courses**

Courses offered at the 400 level include genre- and nationality-specific courses, courses focusing on specific writers, advanced workshops, and specialty courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 400-403</td>
<td>Medieval/Renaissance literature courses</td>
<td></td>
</tr>
<tr>
<td>ENG 404-419</td>
<td>British/Irish/Anglophone literature courses</td>
<td></td>
</tr>
<tr>
<td>ENG 420-429</td>
<td>American literature courses</td>
<td></td>
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<tr>
<td>ENG 430-439</td>
<td>Drama/theatre courses</td>
<td></td>
</tr>
<tr>
<td>ENG 440-459</td>
<td>Creative writing courses</td>
<td></td>
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<tr>
<td>ENG 460-469</td>
<td>Journalism courses</td>
<td></td>
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<tr>
<td>ENG 470-479</td>
<td>Senior-level independent study</td>
<td></td>
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<tr>
<td>ENG 480-489</td>
<td>Theory and genre studies courses</td>
<td></td>
</tr>
<tr>
<td>ENG 490-499</td>
<td>Special projects</td>
<td></td>
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</tbody>
</table>

ENG 402 Shakespeare: Early Works is offered each fall. ENG 403 Shakespeare: Later Works is offered each spring. Other 400-level courses are offered on two-year to four-year cycles.
ENG 140 Adult Learning Seminar (3 credits)
In this seminar, adult learners will study the idea of work through reading fiction and nonfiction on jobs, employment, and careers. Students will read stories about work and write narratives of work histories that will provide the context and experience for the course. In the second part of the course, students will reflect and theorize on these histories as either empowering sources of vocation, discouraging instances of alienation, or some combination of both. In the final part of the course, students will then engage with either their own present work or future work by preparing cover letters and resumes for their future job applications and writing a significant piece of communication (business proposal, conflict resolution, grant application, etc.) within their current or prospective professional career. Available only to students enrolled in the PLS or HDC programs
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Adult Learning Seminar

ENG 150 First Year Seminar (3 credits)
The First-Year Seminar is designed to introduce students to the adventures of learning in a college context. First-Year Seminars focus in depth on a question or topic of disciplinary or interdisciplinary interest. By means of its specific focus, the seminar will explore the thinking, research, and writing practices in a particular field. Discussions based on careful reading of texts, writing assignments, both reflection and research types, and in-class student presentations will be supplemented, as appropriate, with activities including guest lecturers, museum trips, attendance at local cultural events and/or field excursions. Topics vary according to individual instructors. First year seminar.
Attributes: First-Year Seminar, Undergraduate

ENG 196 English Elective (3 credits)
ENG 201 Major American Writers (3 credits)
Study of selected works of those writers who have most influenced the continuity and development of our national literature. Among those considered may be Irving, Poe, Emerson, Fuller, Hawthorne, Stowe, Melville, Whitman, Twain, Dickinson, Chopin, Gilman, Frost, Hemingway, Faulkner, and Morrison.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 202 Global English Literature (3 credits)
This course examines English as a global literary language through works of fiction and film. Students will read works by authors who represent diverse regions of the English-speaking world beyond the United Kingdom (excluding the U.S.) that expand the English language, rethink the present-day legacy of the British Empire, and redefine conceptions of Englishness. Specific course topics and reading lists vary with each course offering. Diversity/Globalization/Non-Western overlay.
Attributes: English Area 4- British/Irish, GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

ENG 203 The Poet's Voice (3 credits)
The primary emphasis will be on the reading of major poems in English seen as performances in language requiring close attention to the text. The historical and cultural concerns reflected will also receive attention.
Attributes: GEP Art/Literature, Undergraduate

ENG 204 Drama (3 credits)
Critical study of various forms of drama.
Prerequisites: ENG 1105 or ENG 113
Attributes: GEP Art/Literature, Undergraduate

ENG 205 Cultural Diversity (3 credits)
Specific focus of the course will depend on the instructor. Approaches to the issue of cultural diversity in literature may include the courses such as the following: American Voices; British Multiculturalism and the Booker Prize, or Multiethnic Literature. Diversity Globalization/Non-Western overlay.
Prerequisites: ENG 101 or ENG 111
Attributes: Africana Studies Course, Diversity Course (New GEP), English Diversity, GEP Art/Literature, Undergraduate, Writing Intensive Course-GEP

ENG 206 Public Speaking & Presentation (3 credits)
A practical course in the oral presentation of carefully crafted material. Based on principles of rhetoric, new and old, the course helps students in discovering, structuring, and expressing ideas with conviction and confidence. Some attention will be given to the appreciation of significant speech texts within these rhetorical traditions. Students will make multiple presentations and engage in peer critiques.
Attributes: English Area 1 - Writing, BUAD FBEN LEOS ILC Area Course, Undergraduate

ENG 207 Images of Women in Literature (3 credits)
Specific focus of this course will be the female character in literature and the construction of gender identity. Primarily literary and historical in approach, but may include the psychological and the mythic. Works by a variety of authors in several genres will be examined.
Attributes: English Diversity, GEP Art/Literature, Undergraduate

ENG 208 Special Topics in Literature (3 credits)
Depending on the instructor, the course will focus on a particular topic of interest in literature (e.g., American West in Imagination, Psychology and Literature).
Prerequisites: ENG 101 or ENG 111
Attributes: GEP Art/Literature, Undergraduate

ENG 209 Literature and Film (3 credits)
This course deals with film treatments of significant literary texts. Specific focus of the courses depends on the instructor (e.g., King Arthur In Literature and Film, American War Literature and Film: Vietnam to Now, Horror in Literature and Film, etc.).
Attributes: GEP Art/Literature, Undergraduate

ENG 210 The Roaring Twenties (3 credits)
Exploration of diverse writers who were part of the “make it new” challenge in the tumult of cultural change during the 1920s in America, with particular attention given to contributions by Anderson, Fitzgerald, Millay, Cummings, Parker, Hemingway, Faulkner, O'Neill, and Hughes.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 211 Black Popular Culture (3 credits)
Beginning with W. E. B. Du Bois’s 1897 essay “The Problem of Amusement” we trace the trajectory of the literary interpretations of Black popular culture in the U.S. paying particular attention to its evolution through detective fiction, graphic novels, new media, and science fiction. Likely authors include: Kyle Baker, Octavia Butler, Chester Himes, Nalo Hopkinson, Aaron McGruder, Mia McKenzie, and Walter Mosely. Diversity/Globalization/Non-Western overlay Africana Studies.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate
ENG 215 Passing Narratives - Black Lit (3 credits)
Prerequisites: ENG 101 or ENG 111
Attributes: American Studies Course, Diversity Course (New GEP), English Area 5 - American Lit, GEP Art/Literature, Undergraduate, Writing Intensive Course - GEP

ENG 216 Re-Reading the Sixties (3 credits)
Exploration of representative texts from diverse parts of the universe-in-revision that was the 1960s—from Kubrick’s Dr. Strangelove to Vonnegut’s Slaughterhouse-Five, from Sylvia Plath’s Ariel to Dennis Hopper’s Easy Rider, from Nikki Giovanni’s poetry to Bonnie and Clyde; from Tom Wolfe’s Electric Kool-Aid Acid Test to Pynchon’s The Crying of Lot 49. We start with "Berkeley in the Sixties," and it never ends.
Attributes: Diversity Course (New GEP), English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 217 Music & American Literature (3 credits)
This course will study the relation of words to music in several different forms: songs, musical shows, an opera, and references to music in poems and novels. It will cover mostly popular music of the twentieth century, including ragtime, blues, jazz, and rock. The class will listen to music and learn some elementary reading of music. Broader topics will involve race, ethnicity, gender, romance, and youth culture.

ENG 218 Lesbian & Gay Narrative (3 credits)
Lesbian and Gay Narrative is designed to introduce students to works by and about lesbian, gay, bisexual, transgendered and queer or questioning persons. Our survey will include works in a variety of genres: plays, novels (including one graphic novel and one bio mythography), essays and poetry. These will come from a range of historical periods.

ENG 222 SophSem:Critical App Lit Study (3 credits)
A seminar, ideally taken by English majors in the sophomore year, to explore a variety of significant texts in the British and American tradition, each to be examined from diverse critical perspectives, including (but not limited to) the following: formalist/New Critical, structuralist, New Historicist, feminist, deconstruction/poststructuralist, Marxist, psychoanalytic, race/ethnic/postcolonial studies. Restricted to English majors and minors.
Restrictions: Enrollment is limited to students with a major in English.
Attributes: GEP Art/Literature, Undergraduate

ENG 231 Introduction to Theater (3 credits)

ENG 231: Creative Writing Intro Workshop (3 credits)
Exploration of at least two creative genres (fiction, nonfiction, poetry, plays). For models and inspiration, students will examine selected works by contemporary creative writers in varied styles. Writing workshop format.
Attributes: English Area 1 - Writing, GEP Art/Literature, Undergraduate

ENG 261 News Reporting (3 credits)
This course introduces students to reporting and writing for the news media. In frequent assignments throughout the semester, students will practice the basic principles of journalism with an emphasis on structure, accuracy, clarity, and style, key for journalists working in any medium. They will gain experience in story pitching and development and in newsgathering methods, including interviewing, fact gathering and fact checking. Additionally, students will study timely topics related to journalism ethics and the law as well as journalism’s transition into the digital age. While this course is based in the classroom, students are expected to learn and adhere to professional newsroom standards. Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 101 or ENG 111
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 263 Writing for Organizations (3 credits)
Comprehensive examination of various forms of writing that are produced in managing organizations, including email, memonara, letters, reports, brochures, guidelines, and slide share presentation materials. Writing Intensive overlay.
Prerequisites: ENG 101 or ENG 111
Attributes: Undergraduate, Writing Intensive Course - GEP

ENG 264 Techniques of Bus Presentation (3 credits)
An examination of the business planning cycle with emphasis on the final delivery stage—with concern for developing an effective format and style of both oral and written presentations. The role of technology in all forms of presentation will be considered. Does not fulfill GEP Art/Lit requirement.

ENG 265 Writing for Public Relations (3 credits)
This course introduces students to the basic strategies and techniques of public relations writing through the creation and evaluation of a variety of materials commonly used in PR. Students will gain core knowledge of the following: AP style, branding, crisis communication, social media (Facebook, Twitter, and LinkedIn), audience targeting, blogging, media kits, media tracking, fact sheets, press releases, feature articles, and brochures. Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 101
Attributes: Undergraduate

ENG 266 Case Studies: PR & Advertising (3 credits)
A study of effective and ineffective cases in the history of public relations and advertising.

ENG 267 Negotiations, Writing & Conflict (3 credits)
The course involves students in an eclectic writing process that includes legal research, conflict analysis and public speaking. Modeled in part upon the Harvard Negotiation Project’s Getting To Yes methodology, the course also involves newly emerging practices that challenge the notion of argument and encourage exchange between disputing parties. The thesis of the course is that, when individuals embroiled in a conflict begin to hear and understand one another’s stories, they have the option to change and to grow. Although courtrooms and trials will be examined, quite unlike a law course, the format for our class includes dramatic performance, passages from fiction and poetry as well as essays to reveal the common sense that can provide peace between warring interests. The focused goal of this sequence of readings, dramatic exercises and writing is for each student to evolve and to articulate communication strategies for crisis situations.
ENG 268 Persuasion/Influence in Media (3 credits)
In this course, we will examine some of the theories, concepts, and research associated with persuasion and their application for ethical and effective interaction in personal, professional and mass media settings. In addition, emphasis will be placed on social influence, compliance gaining and deception. Class activities, discussions, readings and assignments are designed to facilitate a "better understanding of how persuasion functions, an improved knowledge of ways to maximize our own persuasive efforts, and a greater ability to resist influence attempts, especially unscrupulous influence attempts, by others" (Gass, Seiter, 2007).

ENG 301 Middle English Literature (3 credits)
This course will provide an overview of Middle English literature, excluding Chaucer, by beginning with the earliest Middle English texts and ending with Sir Gawain and the Green Knight. We will focus on language, translation, and close reading to start, with the goal of arriving at a broader consideration of the Middle English literary tradition and its role in the creation of English literature as we now know it.
Attributes: English Area 2 - Medieval/Ren, English Early Lit, GEP Art/Literature, Undergraduate

ENG 302 Renaissance Non-dramatic Lit (3 credits)
Was the Renaissance the age of the individual? Was poetry – the dominant literature of the day – a means to power, a force for good or instead a corrupting agent? This course will consider divergent views on the English Renaissance alongside major works by authors such as Sidney, Spenser and Milton.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English.
Attributes: English Area 2 - Medieval/Ren, English Early Lit, English Literary Theory, GEP Art/Literature, Undergraduate

ENG 303 Renaissance Drama (3 credits)
A study of the drama of Tudor and Jacobean England, excluding Shakespeare. The plays of Marlowe, Jonson, Webster, and Ford and their distinctive dramatic qualities will be emphasized. Acceptable for Theatre/Drama track.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English.
Attributes: English Area 2 - Medieval/Ren, English Theatre/Drama, English Early Lit, GEP Art/Literature, Undergraduate

ENG 305 Eighteenth Century English Lit (3 credits)
This course deals with the literature of the Restoration and eighteenth-century, a time of intellectual, cultural, and political revolutions. Among the writers who may be studied are Behn, Dryden, Swift, Pope, Haywood, Defoe, Richardson, Fielding, Johnson, Sterne, Burney, Inchbald, and Wollstonecraft. Depending on the instructor, the course may focus on a particular genre or it may deal with a specialized topic, such as "The Rise of Gender in the Novel," "The Idea of Authorship in the 18th Century," or "The Satiric Mode."
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English.
Attributes: GEP Art/Literature, Undergraduate

ENG 306 Nineteenth Century English Lit (3 credits)
Depending on the instructor, the course may be focused in a variety of ways, all exploring different developments in literature in England in the 19th Century (Major Romantic Poets, The Nineteenth-Century English Novel, Rebels-Reactionaries: Victorian Romanticism, Victorian Literature).
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate

ENG 307 Modernism: British & Irish Lit (3 credits)
A study of representative authors of British and Irish Modernism, including Auden, Conrad, Eliot, Forster, Joyce, Lawrence, Woolf, and Yeats. Depending on the instructor, this course may also explore works by Bowen, Ford, Lewis, Moore, O'Brien, Wilde, or other authors.
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate

ENG 310 20th Century Irish Literature (3 credits)
Investigates crucial authors and stages in the development of Irish literature in English from the period of Gregory, Joyce, O'Casey, Synge, and Yeats, through the mid-century period of Beckett, Behan, Bowen, Kavanagh, and O'Brien, to works by late twentieth-century authors (for example, Banville, Boland, Carr, Enright, Friel, and Heaney)
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate

ENG 311 Contemporary Brit & Irish Lit (3 credits)
A study of contemporary, representative British and Irish novelists, playwrights, and poets from the Thatcher era to the present
Prerequisites: ENG 101
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 315 Literature of South Asia (3 credits)
This course examines contemporary fiction and film from the Indian subcontinent (primarily India, but with some focus on Pakistan as well). Works studied include both Anglophone texts and texts in translation read alongside major events of twentieth- and twenty-first century South Asian history, particularly Independence and Partition. Featured authors may include: Mulk Raj Anand, Saadat Hasan Manto, R.K. Narayan, Arundhati Roy, and Salman Rushdie. Diversity/Globalization/Non-western overlay.
Attributes: English Area 4- British/Irish, English Diversity, GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

ENG 317 Literature of South Africa (3 credits)
This course provides a historical view of South African literature, focusing on apartheid, its segregationist precedents, and its present-day legacies. Utilizing novels, historical and legal documents, and creative nonfiction, as well as short fiction and film, the course introduces students to the writings of South Africans who represent diverse subject positions and experiences, but who are all united in the common goal of re-examining and working through South Africa's traumatic past. Diversity/Globalization/Non-western overlay.
Africana Studies.
Attributes: Africana Studies Course, Eng, British/Irish/World Lit, English Diversity, GEP Art/Literature, Globalization Course (New GEP), Non-Western Studies (GEP), Undergraduate

ENG 319 Postmodernism (3 credits)
Engagement with a wide range of writers whose work represents both radical extension and rejection of the earlier modernist movement, with exploration of texts by Fowles, Barth, Barthelme, Calvino, Heller, Vonnegut, Pynchon, Smith, Eggers.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: English Area 4- British/Irish, English Area 5 - American Lit, GEP Art/Literature, GEP Art/Literature, Honors Course, Undergraduate
ENG 320 Contexts of Faith in Modern Literature (3 credits)
This course examines representations of religious faith in a variety of literary genres (fiction, drama, poetry, film) from the 20th century to the present. Students will consider to what extent the texts studied reflect and develop traditional expressions of religion and the degree to which they engage readers in an evaluation of faith as a source of knowledge. Acceptable for Faith and Reason GEP requirement.
Attributes: GEP Art/Literature, Undergraduate

ENG 321 Early American Literature (3 credits)
A study of the literary genres that emerged from the colonization of North America and the establishment of the federal republic of the United States, with a focus on the role of literature in defining American national identity. Readings will include histories, journals, sermons, poems, autobiographies, and novels by authors including John Winthrop, Anne Bradstreet, Mary Rowlandson, Benjamin Franklin, Olaudah Equiano, Nathaniel Hawthorne, Harriet Beecher Stowe, as well as explorers, Indigenous people, and other early national authors.
Attributes: English Area A5 - American Lit, Early Lit, GEP Art/Literature, Undergraduate

ENG 322 American Literature 1865-1915 (3 credits)
A survey of American literature between the Civil War and World War I, from realism to naturalism, with consideration of such writers as Twain, Howells, James, Crane, Dickinson, Robinson, Cable, Wharton, Norris, and Dreiser.
Attributes: English Area A5 - American Lit, GEP Art/Literature, Undergraduate

ENG 323 Twentieth Century American Literature (3 credits)
An exploration of a century of dramatic change in the American literary landscape—from Dreiser’s Sister Carrie to Toni Morrison’s The Bluest Eye; through poets as diverse as E. E. Cummings, Allen Ginsberg, and Rita Dove; with options that may include key work from William Faulkner, Richard Wright, Sylvia Plath, Don DeLillo, and Louise Erdrich.
Attributes: English Area A5 - American Lit, GEP Art/Literature, Undergraduate

 ENG 324 Contemporary American Literature (3 credits)
An exploration of representative American works (creative non-fiction, fiction, poetry) from the past 25 years—including books from Jhumpa Lahiri, Joy Harjo, Tobias Wolff, Junot Diaz, Mark Doty, Kevin Powers, David Eggers and Cheryl Strayed.
Prerequisites: ENG 101
Attributes: English Area A5 - American Lit, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 327 Southern Literature (3 credits)
An overview of Southern literature from the nineteenth century to the present, with consideration of both poetry and fiction. Selected authors may include Poe, Twain, Faulkner, Welty, Warren, Taylor, Styron, Smith, Edgerton, and McCorkle.
Attributes: GEP Art/Literature, Undergraduate

ENG 328 African American Literature (3 credits)
This thematic survey explores how African American authors write about what it means (and has meant) to be a Black person in the U.S. Exploring poetry, autobiography, drama, short stories, novels, essays, and films we grapple with the multifaceted experiences of “Blackness” in literary texts produced from the era of slavery to the present. Through our reading we develop an understanding of specific African American literary traditions.
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Art/Literature, Undergraduate

ENG 329 Black Women’s Literature (3 credits)
Linked by history, race, gender, and fate, but arguably little else, how do Black women writing in the U.S. write themselves into the idea of America? This course examines exclusively Black women’s literature in order to answer this question. Covering a minimum of three traditional African American literary periods, students are positioned to question notions of privilege and power driven by the intersectionalities of gender and race. Diversity/GLOBALIZATION/Non-western Africana Studies.
Attributes: Diversity Course (New GEP), GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 330 Caribbean Lit in English (3 credits)
This course explores the intersectionalities of racial, ethnic, and linguistic identities within Anglophone and Francophone Caribbean literary traditions. In dialogue these literary traditions complicate a monolithic Caribbean narrative. With careful study of language, class, color, and identity we determine how authors contest with and memorialize French, British, and American imperialisms in the Caribbean. Likely authors include: Michelle Cliff, Edwidge Danticat, Merle Hodge, Thomas Glave, George Lamming, and Jamaica Kincaid. Diversity/GLOBALIZATION/Non-western Africana Studies.

ENG 331 Modern Drama (3 credits)
Major English and continental dramatists of the modern period from Ibsen to the present; a survey emphasizing not only major writers but also significant changes in dramatic form.
Attributes: GEP Art/Literature, Undergraduate

ENG 332 Playwriting (3 credits)
This course offers students the experience of creating original material for stage presentation, with particular focus on the one-act play structure and concern for character, scene, and plot development.
Attributes: English Area A1 - Writing, English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 333 Read/Write/Adapt Theatre Drama (3 credits)
Examination of the diverse functions of the dramaturge developing background perspective for bringing dramatic texts to the stage, adapting various texts for stage presentation, writing interpretive notes for staged productions. Students will adapt literary texts for Reader’s Theatre performance.
Attributes: English Area A1 - Writing, English Theatre/Drama, GEP Art/Literature, Undergraduate
ENG 341 Poetry Workshop (3 credits)
Exploration of poetry by reading and writing. Each student will be responsible for creating a set of poems. Writing workshop format.
*Attributes*: English Area 1 · Writing, GEP Art/Literature, Undergraduate

ENG 342 Fiction Workshop (3 credits)
Exploration of fiction by reading and writing. Each student will be responsible for creating a set of stories. Writing workshop format.
*Attributes*: English Area 1 · Writing, Undergraduate

ENG 343 Nonfiction Workshop (3 credits)
Exploration of creative nonfiction by reading and writing, with particular focus on the form of the personal essay. Each student will be responsible for creating a set of essays. Writing workshop format.
*Attributes*: English Area 1 · Writing, GEP Art/Literature, Undergraduate

ENG 344 Screenwriting (3 credits)
Exploration of screenwriting in a workshop format with consideration of the whole process involved in development of screen projects, including feature-length film projects. Does not fulfill GEP Art/Lit requirement.
*Attributes*: English Area 1 · Writing, Undergraduate

ENG 345 Tutor Prac, Writ Cntr Thy Pr (3 credits)
This course introduces students to writing center history, theories, and practices. Readings include landmark and contemporary texts about writing pedagogy in general and the tutoring of writing specifically. Additionally, students study issues and strategies of relevance to ESL writers for whom English is not their first or home language. Students are introduced to the practices of peer tutoring through class discussions and through observation and tutoring in the University Writing Center. Upon successful completion of this course, they are eligible to be hired in subsequent semesters as writing tutors. Open to students from all majors who are interested in writing and/or the teaching of writing. Permission of instructor required. Writing Intensive. Does not fulfill GEP Art/Lit requirement.
*Prerequisites*: ENG 101
*Attributes*: Undergraduate, Writing Intensive Course · GEP

ENG 346 Writing for Digital Platforms (3 credits)
This course explores the changing role and style of writing in our digital age. Students will practice multiple genres of writing across a variety of digital platforms, including journalistic writing, business writing and personal writing. Students will practice adapting and revising stories for multimodal delivery to target specific audiences while maintaining accuracy and consistency in content. Does not fulfill GEP Art/Lit requirement.

ENG 350 Digital Platforms (3 credits)

ENG 360 Feature Writing (3 credits)
At its most basic definition, feature writing is journalism that tells a story—generally, the kind of story that you don’t soon forget, that lingers for many moments, or days, or years after you first encounter it. In this course, students study outstanding examples of feature stories and multimedia feature packages. From those examples, they learn how to combine the best reporting practices with the best storytelling practices in order to produce their own powerful features that marry in-depth reporting and research with captivating and creative storytelling skills. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.

ENG 361 Mobile Journalism (3 credits)
This course examines the impact of mobile technology on news organizations around the world and the ways in which these organizations capitalize on mobile technology as a delivery platform. On a practical (and practiced) level, students spend the semester using mobile technology as journalists. They explore social media platforms of particular use to journalists as well as produce their own media content using various mobile tools. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.
*Attributes*: English Area 1 · Writing, Undergraduate

ENG 362 Photojournalism (3 credits)
This is an introductory course in photojournalism presented in a multimedia context. Students will be required to have access to either point-and-shoot cameras or (ideally) DSLR camera kits. The course will be taught as a hands-on workshop. Instruction will progress from basic camera operation and single image assignments to more comprehensive visual storytelling. Does not fulfill GEP Art/Lit requirement.
*Attributes*: English Area 1 · Writing, English Journalism Track, Undergraduate

ENG 363 Sports Journalism (3 credits)
This hands-on, multimedia course covers all aspects of current sports journalism, from reporting and telling stories in print and broadcast media as well as in blogs, podcasts and social media. In addition to learning how to break news across multiple platforms, students will practice the kind of in-depth reporting and compelling storytelling that leads to profiles and full-length features. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.
*Attributes*: English Area 1 · Writing, English Journalism Track, Undergraduate

ENG 364 History of Journalism (3 credits)
This course surveys the history of journalism and mass media in the United States (from the colonial press to contemporary news media). Topics include the Revolutionary period; the emergence of the penny press; yellow journalism; women's stunt journalism; the African American Press; muckraking; and the evolution of "modern" mainstream journalism. Students will gain an understanding of the role of journalism in the U.S., while also becoming critical consumers of news media. Does not fulfill GEP Art/Lit requirement.

ENG 365 Multimedia Reporting (3 credits)
This course examines the defining place of writing in the directing, the editing and the scripting of texts for video and cinema. To learn the many kinds of composition involved in this process, students will work to construct documentary, advertising and dramatic film productions. In this process, students will become knowledgeable of the digital cameras and editorial computer technologies involved in filmmaking; however, the writing of prose and dialogue will be the main concentration of the course.
*Attributes*: English Area 1 · Writing, English Journalism Track, Undergraduate
ENG 370 Independent Study: Jr. Level (3 credits)
The chief purpose of the junior-level independent study project is for the student to acquire knowledge in a particular area of literature (reading and research project) or to produce a substantial piece of writing, either creative or discursive (writing project). For the reading and research project, the student will develop a course of study with the project director that may utilize audiovisual as well as printed material. In addition to a reading program, the student will write a substantial paper that develops from that reading program; the paper should use primary texts and have a textual perspective—historical, critical, aesthetic, or mythic. For the writing project, the student will develop a program of reading and writing with the project director. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field).
Attributes: GEP Art/Literature, Undergraduate

ENG 381 History of the Eng Language (3 credits)
A survey of the outer and inner history of the English language, from its Indo-European origins to its present American and worldwide use, including dialectal variations in modern American English. This course fulfills requirements within the Linguistics Major and Minor. See LIN 381.
Attributes: English Early Lit, Undergraduate

ENG 382 Lit Theo:Plato to Poststructur (3 credits)
Examination of some of the major issues in literary theory from the time of Plato to the present, including, but not limited to, the rhetorical effect of literature, the relationship between the text and the world, notions of the expressive power of literature, the formal qualities of the literary text, and poststructuralist notions of language. The course provides students with the opportunity to draw upon theory for their own literary analyses and prompts them to formulate their own theories about what literature is and does. Does not fulfill GEP Art/Lit requirement.
Attributes: English Literary Theory, GEP Art/Literature, Undergraduate

ENG 383 Seminar in Rhetorical Theory (3 credits)
Focused examination of some key factors in rhetoric over the ages: for example, invention strategies, the ethics of writing, methods of delivery. Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 2031 or ENG 2035 or ENG 382
Attributes: GEP Art/Literature, Undergraduate

ENG 384 The Essay (3 credits)
A comprehensive study of the essay form through time, with special concern for identifying forces of change upon the style and function of the essay within selected cultural contexts. Acceptable for GEP Art/Lit requirement.
Attributes: English Area 1 - Writing, GEP Art/Literature, Undergraduate

ENG 401 Chaucer & the Medieval World (3 credits)
An examination of the development of various medieval narrative forms, including the romance, and the climax of their development in the poetry of Geoffrey Chaucer. The major historical focus will be on work written in England from 1300 to 1485; there will be some continental material included.
Attributes: English Area 2 - Medieval/Ren, English Area 4 - British/Irish, English Early Lit, GEP Art/Literature, Undergraduate

ENG 402 Shakespeare: Early Works (3 credits)
Shakespeare’s early plays and poems before 1601, primarily the histories and comedies. Close attention will be given to the dramatic structure in Shakespeare’s plays with special emphasis on the poetic.
Attributes: English Area 2 - Medieval/Ren, English Area 3 - Shakespeare, English Area 4 - British/Irish, European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 403 Shakespeare: Later Works (3 credits)
A reading of Shakespeare’s plays from Hamlet to The Tempest. Close attention will be given to the dramatic structure in Shakespeare’s plays with special emphasis on the poetic. A special study of the problem plays and the tragedies.
Prerequisites: ENG 101
Attributes: English Early Lit, European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 404 Eng, Irish, Angophone Authors (3 credits)
An in-depth study of one to two significant authors of a particular period, the choice to be made by the instructor.
Prerequisites: ENG 101 or ENG 111
Attributes: European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 405 Henry VIII: Writing & Tyranny (3 credits)
A study of writings from and about Henry VIII and his court, with a particular focus on the controversial personalities of Thomas Wolsey, Thomas More, Thomas Cromwell, Anne Boleyn, Katherine of Aragon, and Henry himself. May include poems by Wyatt and Surrey, Cavendish’s Life of Wolsey, Shakespeare and Fletcher’s play Henry VIII, More’s Utopia and other of his works, the second novel in Hilary Mantel’s Wolf Hall series (Bring up the Bodies), and selected writings about Henry’s first divorce.
Ethics Intensive overlay
Prerequisites: ENG 101
Attributes: English Area 4 - British/Irish, European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 407 20thCenturyBritish/Irish Novel (3 credits)
A study of major developments in British and Irish fiction from World War I to the present, including Conrad, Forster, Joyce, Lawrence, Woolf, and Beckett. Depending on the instructor, this course may also explore works by Bowen, Ford, Fowles, Greene, Lewis, Moore, O’Brien, or other authors.
Attributes: English Area 4 - British/Irish, GEP Art/Literature, Undergraduate

ENG 410 Irish Gothic Fiction (3 credits)
Interrogating issues of genre and historical context, this course traces the evolution of Irish gothic and ghost stories from the early nineteenth century to the present.
Attributes: English Area 4 - British/Irish, English Literary Theory, GEP Art/Literature, Undergraduate

ENG 411 Black British Literature (3 credits)
This course focuses on narrative and criticism by Black British writers since the 1948 arrival of the Empire Windrush. We examine the way “Blackness” in Britain has been called upon to both unite and exclude while exploring the contested perception that Black experience in Britain should be examined solely in terms of race and identity. Likely authors include: Sam Selvon, Kwame Kwei-Armah, Jackie Kay, Andrea Levy, Caryl Phillips, and Zadie Smith. Diversity/Globalization/Non-western overlay.
Africana Studies.

ENG 415 Postcolonial Studies (3 credits)
An examination of diverse literary texts, films and theoretical essays that engage the idea of “post colonialism,” the circumstances and effects of one nation having sovereign power over another. We will emphasize works with a relationship to the British Empire (e.g., Forster, Conrad, Rushdie, Collins, Dickens, Joyce, Winterson), but we will not be limited to this particular historical context. Diversity/Globalization/Non-western overlay.
Attributes: Africana Studies Course, GEP Art/Literature, Globalization Course (New GEP), Undergraduate, Writing Intensive Course- GEP
ENG 416 Rebellious Women Writers (3 credits)
This course explores how British and American women of the late seventeenth to early twentieth centuries used writing to rebel against the status quo. We will examine both the historical circumstances in which women found themselves and the literary production that resulted. We will examine a wide variety of women's texts—narrative fictions, poetry, political polemics, conduct books, letters, autobiographies, social theories, sermons, and protest leaflets—and we will discuss the effects of these different responses to women's plight. We will look closely at the influences that British and American writers exerted upon one another. Diversity
Attributes: Diversity Course (New GEP), English Area 4- British/Irish, English Early Lit, English Diversity, GEP Art/Literature, Undergraduate

ENG 417 Post-Soul Black Literature (3 credits)

ENG 420 American Authors (3 credits)
An in-depth study of one or two significant American authors, the choice to be made by the instructor.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 421 American Novel, 19th 20th Cent (3 credits)
A study of the evolution of the novel in America; may include novels by Cooper, Hawthorne, Melville, Twain, Chesnutt, Wharton, James, Hemingway, Pynchon, Bellow, Updike, Kesey, Tan, Silko, or others depending on the instructor.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 423 Amer.Poetry, 19th & 20th Cent. (3 credits)
An analytical study of poetic development, with emphasis on Romantic and modern theory and practice. Among those studied: Poe, Whitman, Dickinson, Stevens, and Frost.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 424 Contemporary American Poetry (3 credits)
An exploration of the American poetry scene, from the 1950s to the present, including representative works from a number of movements: the Beats, the Confessionals, the Black Arts movement, women's poetry, the New York School, deep image poetry, and most recently, Language Poetry and New Formalism. The course is writing-intensive, with a student response journal and various assignments—including creative imitations, an explication, an analytical essay, and a review of a poetry collection.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 425 American Drama (3 credits)
A critical study of selected plays. The emphasis will be on the works of O'Neill, Wilder, Williams, Miller, MacLeish, and Albee. Acceptable for Theatre/Drama track.
Attributes: English Area 5 - American Lit, English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 426 Nature Writing in America (3 credits)
Examination of the literary treatment of nature in American culture, from Thoreau's Walden through the environmentalist writers of the contemporary period.
Prerequisites: ENG 101
Attributes: English Area 1 - Writing, English Area 5 - American Lit, Undergraduate, Writing Intensive Course- GEP

ENG 427 The Harlem Renaissance (3 credits)
Black artists in Harlem (and other densely populated urban areas) produced a significant collection of work remarkable for its breadth and complexity during the anachronistically named Harlem Renaissance (1922-1941). This course explores that creative explosion in an attempt to develop a comprehensive understanding of what compelled the movement and why the Harlem Renaissance continues to be so influential in Black literature and culture today. ENG 215, 328, or 329 recommended. Diversity/Globalization/Non-western overlay. Africana Studies.
Prerequisites: ENG 101 or ENG 111
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 428 The Beat Rebellion (3 credits)
A study of writers in the 1950s and early 1960s whose work reflected rebellion with regard to social and cultural norms.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 429 ReadingWritingCivil Right Move (3 credits)
Consideration of how writing—speeches, poetry, fiction, and autobiography—both responded to and documented the Civil Rights movement and how writing was used to shape a social change agenda—with a close look at the rhetorical strategies involved in a wide range of texts; authors will include Martin Luther King, Jr., Malcolm X, Maya Angelou, James Baldwin, Taylor Branch, John Steinbeck, Alice Walker, and Eudora Welty. Diversity/Globalization/Non-western overlay.
Attributes: Diversity Course (New GEP), English Area 1 - Writing, English Area 5 - American Lit, English Diversity, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 431 Special Topics in Theater (3 credits)
Course content to be determined by instructor.
Attributes: English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 432 Theater Performance Practicum (3 credits)
Rehearsal and performance of a campus production (produced by the Cap and Bells Dramatic Society and directed by a faculty director) with the student in the role of actor or stage manager. Comprehensive study of the rehearsal and performance processes which culminates in the writing of a final research paper of ten pages in length. In order to register for this course, the production must be the third campus production in which the student has served as cast member or stage manager. Instructor approval required.
Attributes: English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 433 Writing and Environmt Justice (3 credits)

ENG 441 Literacy as a Social Practice (3 credits)
An investigation of literacy as a social practice, using composition theory, ethnography, fiction, autobiography, and popular culture to define literacy and ask questions about it. With concern for the defining forces of race, class, and gender, the course explores different uses of literacy and considers the concept of a literacy "crisis." Students will compose narratives of their own literacy practices and pursue independent research on some aspect of literacy and its applications to schools, society, and quality of life. Diversity. Does not fulfill GEP Art/Lit requirement.
Attributes: English Area 1 - Writing, English Diversity, GEP Art/Literature, Undergraduate
ENG 443 Special Topics in Writing (3 credits)
In this course, students will engage in writing projects based on an initial research to the submission of a final proposal. Students will first work together to consult for a single non-profit, while learning about the components of a strong grant proposal and the grant-making process overall. Then, each student will be paired with a local nonprofit organization, as volunteer consultants for that organization. Students will work with their nonprofit organization to identify a new or existing project that needs funding. They will then take what they learn in class about the grant-making process and apply it to meet the needs of their nonprofit “client,” with the ultimate goal of producing a complete grant proposal that can be submitted to funders.

Attributes: English Area 1 - Writing, Undergraduate

ENG 445 Gender & Narrative (3 credits)
A writing course designed to explore alternative and experimental genres that combat sexism and do social and political work, with particular focus on narratives developed to challenge dominant cultural structures and practices. Diversity. Acceptable for GEP Art/Lit requirement.

Attributes: English Area 1 - Writing, English Diversity, GEP Art/Literature, Undergraduate

ENG 446 Writing the Grant Proposal (3 credits)
This course introduces students to the grant-making process from initial research to the submission of a final proposal. Students will first work together to consult for a single non-profit, while learning about the components of a strong grant proposal and the grant-making process overall. Then, each student will be paired with a local nonprofit organization, as volunteer consultants for that organization. Students will work with their nonprofit organization to identify a new or existing project that needs funding. They will then take what they learn in class about the grant-making process and apply it to meet the needs of their nonprofit “client,” with the ultimate goal of producing a complete grant proposal that can be submitted to funders.

Attributes: English Area 1 - Writing, Undergraduate

ENG 450 Hospital Stories (3 credits)
In this course, students explore how race, class, gender, and sexuality are depicted through the writing of caregivers, medical professionals, and patients in essays, memoirs, and creative nonfiction. The course focuses on how cultural difference affects access to medical care and perceptions of the female body. Other possible topics include mental illness and AIDS/HIV. Acceptable for GEP Art/Lit requirement.

Prerequisites: ENG 101
Attributes: Diversity Course (New GEP), English Area 1 - Writing, English Diversity, GER Art/Literature, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 452 Writing and Reading Animals (3 credits)
This hybrid literature and writing course considers the representation of animals in a range of texts and explores how the depiction of animals as companions, gods, guides, objects, heroes, or monsters reflects changes in relationships between humans and nature. Students will also use the literary forms we study (fiction, nonfiction, and poetry) to reflect on their own experiences with animals (pets, animals in captivity or in the wild, and in books and films). Acceptable for GEP Art/Lit requirement, Writing Intensive overlay

ENG 461 Food Writing (3 credits)
This class explores the political, spiritual, and economic aspects of eating and offers students the chance to practice writing about food in different modes, from restaurant reviews to blog posts to personal essays. Does not fulfill GEP Art/Lit requirement.

Attributes: Undergraduate

ENG 462 Travel Writing (3 credits)
This course explores the elements of crafting narratives about journeys. Using students’ previous experiences of travel (and current experiences when applicable), students explore the elements of creative nonfiction writing. Students complete a variety of writing exercises, including a detailed travel journal, and other exercises on detail and description. After the exercises, students will write longer narratives that may include a profile of a person or place, a reflective memoir, and an essay about some aspect of another culture’s cuisine or cultural differences. Acceptable for GEP Art/Lit requirement.

Prerequisites: ENG 2041 or ENG 261
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 463 Literary Journalism (3 credits)
This reading-intensive course provides an historical overview of a genre most often referred to as “literary journalism,” once called “new journalism,” and now sometimes dubbed “new journalism” or “immersion journalism.” Students may read works by writers such as Nellie Bly, Stephen Crane, John Hersey, Joan Didion, Truman Capote, Tom Wolfe, Hunter S. Thompson, Ted Konover, Sonia Nazario, Adrian Nicole LeBlanc, and Susan Orlean, among others. In addition to their literary consumption and interrogation of the field, students will produce several short exercises in the style of the genre and one final project. Does not fulfill GEP Art/Lit requirement.

ENG 465 Special Topics in Journalism (3 credits)
Focus on a particular issue in journalism, examination of some trend, or consideration of selected columnists/distinctive voices in journalism. Prerequisite: ENG 261: Introduction to Reporting & Writing, or permission of instructor. Does not fulfill GEP Art/Lit requirement.

Prerequisites: ENG 101 or ENG 111
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 466 Journalism & Entrepreneurship (3 credits)
This course prepares and inspires students to approach journalism from the start-up perspective. The theories and practices of entrepreneurial journalism will be studied and simulated, with a special emphasis on the interplay between new venture creation, cutting-edge business strategy and state-of-the-art storytelling techniques. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.

ENG 467 Ethics in Journalism (3 credits)
At a time when the news media’s role in society, its accepted practices and its storytelling tools and platforms are all undergoing radical transformations, adhering to ethical standards is more important than ever for veteran and aspiring journalists. This course examines and challenges those ethics, their significance in the public sphere and the principles and theories serving as their foundation. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.
ENG 468 Global Journalism (3 credits)
This course explores the growing influence and impact of international journalism from native and non-native perspectives. The history and current state of foreign correspondence and war reporting will also be studied, along with the challenges and opportunities of practicing journalism in various parts of the world. Does not fulfill GEP Art/Lit requirement.

ENG 469 The Art of Editing (3 credits)
This course will introduce students to three basic levels of editing: substantive editing, copyediting, and proofreading. The course may include guest editor presentations as well as intensive review of grammar and writing skills and an introduction to copyediting marks. Finally, students will try on the multi-faceted roles of an editor—and experience the challenges of balancing aesthetic and pragmatic concerns—through several major writing and editing projects, including one multi-media project. Does not fulfill GEP Art/Lit requirement.

Attributes: Undergraduate

ENG 470 Independent Study: Senior Level (3 credits)
The senior-level independent study is for students to engage in faculty mentored research and writing. Students will develop a course of study with the faculty mentor that results in a substantial piece of scholarship, creative writing, or journalism. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field).

Attributes: GEP Art/Literature, Undergraduate

ENG 481 Literary Forms & Styles (3 credits)
Specific focus of the course will depend on the instructor. Approaches to the study of genres may be The Satiric Mode, The Lyric, The Short Story in America, Autobiography, The Sonnet, Science Fiction, and Books That Cook.

Prerequisites: ENG 101
Attributes: English Literary Theory, GEP Art/Literature, Globalization Course (New GEP), Undergraduate, Writing Intensive Course- GEP

ENG 482 Literature & Culture (3 credits)
Specific focus of the course will depend on the instructor. Approaches to considering the relationship between literature and culture may be Three Catholic Southern Writers: Dubus, O’Connor, Percy; The Mythic Imagination; Death, Mourning and Consolation; Representing the Irish Troubles; and Religion in Nineteenth-Century British Poetry.

Prerequisites: PHL 154
Attributes: Africana Studies Course, GEP Art/Literature, Undergraduate

ENG 483 Seminar in Narrative Form (3 credits)
Drawing on both fictional and theoretical texts, the course explores how narrative attempts to give meaning and coherence to experience and how readers process narrative. Literary texts include linear and nonlinear narratives and range from early modern to postmodern texts. Theoretical perspectives include structuralist, poststructuralist, and feminist. Acceptable for GEP Art/Lit requirement.

Prerequisites: ENG 101
Attributes: English Literary Theory, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 484 Spec Topics in Critical Theory (3 credits)
This course provides an intense focus on a particular area of contemporary literary theory. Depending on the instructor, the course may cover major theoretical movements (e.g., feminist theory, deconstruction, new historicism) or concentrate on certain major figures (e.g., Bakhtin, Derrida, Cixous, Foucault). Does not fulfill GEP Art/Lit requirement.

Prerequisites: ENG 101
Attributes: English Literary Theory, Undergraduate, Writing Intensive Course- GEP

ENG 485 Nature Writing in America (3 credits)

ENG 490 Journalism Internship (3 credits)
The primary purpose of this internship is to introduce a student to journalism experience at a media outlet. In addition to helping students enhance their journalism skills, that experience should also help them to develop their understanding of the journalist’s role in society. Students will normally work from ten to fifteen hours per week at an appropriate site and will meet with their English-department mentor regularly during the semester. Students will maintain a portfolio of work completed, keep a journal or field notes of their work experience, secure an assessment of their work performance from a supervisor, and submit a final reflection essay and an updated resume that includes the internship experience. Restricted to English majors and journalism minors.

Attributes: English Literary Theory, Undergraduate, Writing Intensive Course- GEP

ENG 491 Independent Study: Community Svc (3 credits)
The primary purpose of this independent study is to introduce a junior or senior to professional writing, editorial, and related skills in a community-service setting. Students will normally work from ten to twenty hours per week at an appropriate site and will meet with their English-department mentors regularly during the semester. Acceptable venues include nonprofit organizations, private and public schools, and other suitable sites. Students will maintain a portfolio of work completed, keep a journal or field notes of their work experiences, secure assessment from a supervisor of their work performance, and submit a final reflection and updated resume that includes the internship experience. Restricted to English majors and minors. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field), or permission of mentor and chair.

Attributes: Undergraduate

ENG 492 English Internship (3 credits)
The primary purpose of this independent study is to introduce a junior or senior to professional writing, editorial, and related skills in a community-service setting. Students will normally work from ten to twenty hours per week at an appropriate site and will meet with their English-department mentor regularly during the semester. Acceptable venues include magazines, academic journals, publishing companies, television stations, radio stations, public relations firms and departments, advertising agencies, governmental and university departments, and other suitable sites. Students will maintain a portfolio of work completed, keep a journal or field notes of their working experience, secure assessment from a supervisor of their work performance, and submit a final reflection and updated resume that includes the internship experience. Restricted to English majors and minors. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field), or permission of mentor and chair.

Attributes: Undergraduate

ENG 493 Indep Research Project (Fall) (3,6 credits)
Includes College Honors theses. Requirements for college honors are listed above and under ‘Honors Program’.

Attributes: GEP Art/Literature, Undergraduate
ENG 494 Indep Research Project (SPR) (3 credits)
Includes College Honors theses. Requirements for college honors are listed above and under ‘Honors Program’
Attributes: GEP Art/Literature, Undergraduate

ENG 550 The Practice of Writing (3 credits)
An overview of the work of a practicing writer, with explorations of particular genres of interest to individual students in the course. Assignments may include a writer’s history (autobiographical account of interest in writing) and a writer’s apprenticeship (in-depth examination of a writer admired by the student).
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 560 Rhetoric Then & Now (3 credits)
Consideration of the history of rhetoric, from the Sophists to the present day, with particular concern both for the ethical considerations involved in persuasive uses of language and for the stylistic choices in developing written work.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 600 Poetry Today (3 credits)
Exploration of the current poetry scene, particularly in America, reading collections from a wide variety of poetic schools and from the theoretical positions that inform the poems. Movements covered may include feminist and identity poetics, the New York School, poetry of witness, neo-confessional, Language Poetry, and the New Formalism. Use of imitation to experiment with difference poetic stances and styles.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 605 Readers/Writers in Victorian Age (3 credits)

ENG 610 What is an Author? (3 credits)
This course will focus on reading and critiquing a number of important biographies, in order to see how various professional biographers have approached their task. Concomitantly, each student will be asked to choose a contemporary subject worthy of a biography (not a relative), who lives within a 50-mile radius of Philadelphia. Students will search out publications that often include biographical essays/profiles, gather detailed information about their subjects from various sources they determine to be important, and do the necessary interviews, with the aim of writing a biographical essay/profile.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 614 Lit Imagin: Arthurian Legend (3 credits)
This course focuses on reading and writing short stories with a particular focus on single-author contemporary and classic short story collections and their significance. Authors that maybe considered include Atwood, Diaz, Fitzgerald, Hurston, Lahiri, Munro, Millhauser, Poe, and Twain.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 615 Road to Revolution in 1960s (3 credits)
A study of the American cultural scene during the 1960s including how racial discrimination, gender discrimination, sexual repression and anti-war activism appeared in writing and culture. Writers may include: Jack Kerouac, Nikki Giovanni, Eldridge Cleaver, Kurt Vonnegut, Joseph Heller, Betty Freidan, and some Beat poets. Films were also consequential both in propelling and in reflecting revolutionary changes in American life through the 1960s. Several key films that may be considered include In the Heat of the Night, Bonnie and Clyde, The Graduate, Easy Rider.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 616 Writing and Inciting (3 credits)
This course will explore how Irish novelists and short-story writers have represented "the Troubles"—a protracted period of politically motivated violence in Northern Ireland, Great Britain, and the Republic of Ireland, which began in the late 1960s and has not fully ended today. Key questions include the following: What is the role of the artist in representing politically motivated and other types of violence? Should artists offer solutions or only pose problems? What are the moral and aesthetical stakes involved in making art out of atrocity? How might studying the fiction of the Northern Irish "Troubles" provide students in the M.A. in Writing Studies with thematic, technical and ethical insights for their own artistic investigations of the many forms of violence within their own societies?
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 617 Writing and the Other Arts (3 credits)
Study of relationship between the work of writers and that produced by other kinds of creative people (in music, in architecture, in painting and drawing, in film) in order to get a full sense of any particular cultural moment (the Renaissance, the Age of Enlightenment, the Roaring 20's, the Rebellious 60's).
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 618 Idea of the Book: CodeX-Hypertext (3 credits)

ENG 619 Young Adult Lit Coming Age Narrative (3 credits)
In this course we immerse ourselves in a range of contemporary literary texts written for, read by, assigned to, or kept from young adults (ages 12-18). Our goals will be to become both more familiar with the wide variety of texts geared toward adolescents and more attuned to our own experiences as readers and writers of young adult literature. At the same time, we will be attempting to think through the multiple ways in which adults (particularly parents and teachers) and adolescent readers interact with these texts and with each other.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 620 Special Topics in Lit/Culture (3 credits)
This course will consider a particular aspect of literature and culture relevant to contemporary writers. Content will vary according to the instructor. Course can be repeated when content varies.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 630 Composition Theory (3 credits)
Exploration of theories of composition, with particular emphasis on contributions to the field in the past half century.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.
ENG 635 The Writing Teacher Writing (3 credits)
Consideration of the writing that teachers can do in order to develop their approach to the teaching of writing.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 636 Writing & Empowerment (3 credits)
ENG 638 Pedagogies Old & New (3 credits)
ENG 639 Writing & Cultural Conflict (3 credits)
ENG 640 Experiments in Narrative (3 credits)
Through examination of fictional and nonfiction narratives and narrative theories, this course considers such issues as the shift from oral to print hypertext narratives, linear and nonlinear structure, writing "taboo" subjects, and the impact of social-cultural-historical circumstances upon narrative form and function. Content varies with instructor.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 641 Rhetorical Theory: Special Topics (3 credits)
Study of select issues in the domain of rhetoric, to be determined by the instructor.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 642 Style (3 credits)
ENG 643 Special Topics in Essay (3 credits)
An exploration of a particular topic related to the essay. Topics may include women essayists, personal essays, writing and memory, or other topics.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 646 Multi-Media Writing (3 credits)
The objective of this course is to widen our conceptions of storytelling to include sounds and images as well as words and broaden our understanding of how stories strengthen community. We will spend part of the class learning to use digital storytelling tools that the university will supply, but most of the course will be spent finding, making and critically evaluating stories. These stories will come from American Radioworks, The Moth, The BBC and other sources from around the world. wide range of considerations relative to the work of the writer presenting work through the World Wide Web.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.
Attributes: English Area 2 - Medieval/Ren

ENG 655 Autobiography (3 credits)
Consideration of the writing that comes directly from life experience and development of an autobiographical narrative that reflects past achievements in this genre. Can satisfy Area I.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 668 Creative Nonfiction Workshop (3 credits)
Workshop course in creative nonfiction; several pieces of nonfiction will be prepared for submission. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 669 Poetry Writing Workshop (3 credits)
In-depth look into the concerns of a publishing poet. Students will hone their own work, putting together a final portfolio of polished writing, and will explore publication options including chapbooks and literary magazines. Toward this end, the class will include workshopping and one-on-one conferences with the instructor, as well as reading and responding to contemporary poetry, with attention to the practical concerns of the poet. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 670 Fiction Writing Workshop (3 credits)
Workshop method of critique, with students expected to put together a portfolio of polished short stories. Published short stories will be read as models, and there will be discussion of strategies of getting fiction published. Content varies with the instructor. Fiction-writing workshop I can be taken either before or after Fiction writing workshop II. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 671 Fiction Writing Workshop II (3 credits)
Workshop method of critique, with students expected to put together a portfolio of polished short stories or a short section of a novel or novella. Published short stories and novels will be read as models, and there will be discussion of strategies of getting fiction published in a variety of locations. Content varies with the instructor. Fiction-writing workshop II can be taken either before or after Fiction writing workshop I. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 673 Screenwriting Workshop (3 credits)
 Exploration of screenwriting in a workshop format with consideration of the whole process involved in development of screen projects.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 675 Special Topics Writing Workshop (3 credits)
Exploration of a particular topic not covered in other writing workshops. Examples include "Playwriting," "Writing and Memory," "Writing through Race, Class, and Gender," "Food Writing," and "Nature Writing." Content varies according to instructor. Course may be repeated with permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 676 Writing for Publication (3 credits)
Successful freelance publishing begins with an awareness of what editors and their readers want. It demands knowledge of the manuscript market and familiarity with the requirements of specific publications: subject, length, organization, style. Unpublished writers can perfect their skills by analysis and imitation of authors who already write for the publications in which learners wish to appear. The course requires that assignments be composed—from the beginning—for specific publications and that completed work will be submitted for publication. Content can be fiction, nonfiction, or journalism and varies with the instructor. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.
ENG 677 Case Study: Public Relations (3 credits)
Comparative analysis of several public relations campaigns, with consideration of the rhetorical principles involved in the effort to sway public opinion.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 678 Case Study: Magazine Publishing (3 credits)
Exploration of magazine publishing, and the study of several magazines—their histories and editorial styles—with consideration for changing demographics and the practical considerations of achieving success in the magazine market. Consideration of the state of magazine publishing in both print and the web, and the development of articles from pitch to publication.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 679 Special Topics in Journalism (3 credits)
Exploration of a particular topic in journalism. May include sports journalism, literary journalism, or other topics as determined by the instructor.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 680 Writing the Grant Proposal (3 credits)
The course will explore various rhetorical strategies used to develop grant proposals and related writing such as the letter of inquiry, letter of intent, and mini-proposal. Students will examine and critique samples of actual grant-related submissions and practice developing relevant writing skills. Project budgeting will also be discussed and practiced. For their final project, students will be guided through selecting a non-profit organization, researching the organization’s history, mission, needs and other background, and creating a professional-quality grant proposal that the non-profit could choose to submit.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 682 New Media (3 credits)
Exploration of new communications media as the hypertext world expands and technology continues to make possible increased broadcast media opportunities.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 683 Editing Practicum (3 credits)
Assignment to a specific, actual editing project, with expectation that the student will engage in several editorial functions in preparing manuscripts for publication.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 684 Health Writing (3 credits)
Are pharmaceutical makers influencing scientific research? What emerging infectious disease is likely to be the next big scare? What are the pros and cons of universal healthcare? Is chocolate really good for the heart? This course will teach students how to report and write on some of the pressing health issues of the day and encourage them to become more discerning consumers of medical news. Students will learn how to analyze research studies, conduct interviews of doctors, scientists and patients, and translate findings into lively and informative stories for the lay reader. The course will explore the connection between the environment and disease and examine trends in medicine as technology advances and funding shrinks. Students will get the latest information from guest speakers who are leaders in the fields of medical research, public relations and the media. This course will help prepare students for a career in health-related writing or sharpen their communication skills for whatever field they are pursuing.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 770 Directed Readings (3 credits)
ENG 771 Directed Research (3 credits)
ENG 772 Directed Writing (3 credits)
ENG 773 Directed Fieldwork (3 credits)
ENG 791 Graduate Internship (3 credits)
Students have workplace internship assignments in areas of career interest that involve writing (research, editing, writing). A component of the course will be research in the internship field, in addition to writing of various kinds about the actual internship activity, some of it done with an eye to publication. Each placement involves approximately 200 hours of work over the course of the internship, a letter from a supervisor upon completion of the internship, and a journal documenting the work of the intern.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English or Writing Studies. Enrollment is limited to Graduate level students.
ENG 793 Thesis Project I (3,6 credits)
The thesis project can involve either an analytical study in some area covered by the program or a collection of original creative material. Each project will have a faculty director, selected by the student in consultation with the Writing Studies Program Director. For a project to be completed in one registration period, register for ENG 793 and ENG 794, 3 credits each, for a total of 6 credits. For a project to be completed in two separate registration periods, register first for ENG 793 for 3 credits, then later, for ENG 794 for the remaining 3 credits. It is recommended that each project also be read by a second reader, who will be chosen by the student and thesis director, and approved by the graduate director. At the completion of the thesis project, students will make a formal presentation of it in one of three ways: (1) A public reading of a selected portion of the project, (2) A formal defense whereby the thesis will be explained and questions about it entertained, or (3) A public reading coupled with a formal defense. The method of public presentation would be agreed upon by the student and the thesis director. The English Department will host opportunities for public readings two or three times a year (in September, December, and May) close to expected completion of degree requirements and the thesis project. Once complete, thesis projects will receive a P (pass). In progress thesis projects will be graded as Incomplete. Nota Bene: The Writing Studies diploma will not be conferred until the candidate has successfully completed the above steps, as well as submitted the thesis project in the correct format for binding. Details about the procedure for binding the thesis can be found on the Writing Studies website. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 794 Thesis Project II (3 credits)

English and Professional Writing
B.L.S.

Peter Norberg, Ph.D., Chair
Aisha Lockridge, Ph.D., Program Director, English and Professional Writing

Program Overview

The Department of English seeks to enlarge and refine the imaginative intelligence of its students—to enrich their intellectual lives as well as to help them develop their professional ones. The disciplined study of both literature and professional writing and speaking provides the means to those ends. Although the variety of the curriculum makes possible a student-determined emphasis on one or the other of these concentrations, the program requires competence in both. The English major offers both a humane and a liberalizing experience, while at the same time making available to its students the opportunity to acquire and practice the skills in professional writing and speaking that will enhance their careers.

For students who select the study of literature as their major concentration, the Department seeks to give an introduction to the most formative traditions—generic, historical, and critical—of British and American letters. Critical and analytical skills are developed by courses and seminars which offer an in-depth examination of a single author or specific topic. Because of their innate value in fostering intellectual maturity and as a preparation for more advanced study, the fundamentals of research will be systematically made available.

For those who emphasize the Professional Writing and Speaking concentration, the program stresses the study of the theories and techniques of rhetoric as they are applied in particular professional fields including business communications, advertising, public relations, and journalism. Many of the courses in this program are offered in an accelerated format, i.e., in modules of eight weeks. Frequent practice in these techniques encourages students to communicate coherently, imaginatively, and with impact.

Learning Goals and Objectives

Goal 1: Acquire knowledge of significant texts in the British, Irish, American, and Anglophone literary traditions.

Objective 1.1: Students will demonstrate a familiarity with British, Irish, American, and Anglophone key texts and an understanding of the historical continuities among literary conventions and imaginative traditions.

Goal 2: Develop rhetorical skills.

Objective 2.1: Students will recognize and use various rhetorical modes, including (but not limited to) narrative, exposition, analysis, and argument.

Goal 3: Develop creative abilities.

Objective 3.1: Students will exercise their imaginations in crafting their own creative works and performances, particularly through creative writing workshops and theatre courses.

Goal 4: Acquire knowledge of significant schools of literary theory.

Objective 4.1: Students will demonstrate an understanding of the historical development of literary theory and draw upon these models for their own literary analyses.

Objective 4.2: Students will formulate their own theories about what literature is and does.

Goal 5: Acquire knowledge of research fundamentals in English.

Objective 5.1: Students will locate, assess, and incorporate secondary sources (including electronic ones) into their own arguments.

Goal 6: Develop revision strategies and editing skills.

Objective 6.1: Students will demonstrate an understanding of revision.

Objective 6.2: Students will practice editing skills through examining their own writing and the writing of their peers.

Students admitted prior to Summer 2016 entered under the curriculum requirements for the BA in English. Please see the SJU Academic Catalog for your admit year for additional information.

General Education Program Courses
(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

GEP Integrative Learning Component

Two courses

Any two courses offered through the College of Arts & Sciences (not English Courses). Students are encouraged to discuss these choices with their faculty advisor in the English Department.
Major Concentration

Major Concentration Courses:
- One course in British Literature before 1832 or American Literature before 1860
- One course in British/Irish/World Literature course
- One course in American Literature course
- One Writing course (creative, journalism, rhetoric, pedagogy)
- Six major Electives. Students may choose to pursue a track in Literature or a track in Professional Writing and Speaking.

Minor in English

PLS students may also pursue a minor in English. For minor requirements, please see the Undergraduate Programs English section of the catalog.

English Major

Learning Goals and Objectives

Goal 1: Acquire knowledge of significant texts in the British, Irish, American, and Anglophone literary traditions.

Objective 1.1: Students will demonstrate a familiarity with British, Irish, American, and Anglophone key texts and an understanding of the historical continuities among literary conventions and imaginative traditions.

Goal 2: Develop rhetorical skills.

Objective 2.1: Students will recognize and use various rhetorical modes, including (but not limited to) narrative, exposition, analysis, and argument.

Goal 3: Develop creative abilities.

Objective 3.1: Students will exercise their imaginations in crafting their own creative works and performances, particularly through creative writing workshops and theatre courses.

Goal 4: Acquire knowledge of significant schools of literary theory.

Objective 4.1: Students will demonstrate an understanding of the historical development of literary theory and draw upon these models for their own literary analyses.

Objective 4.2: Students will formulate their own theories about what literature is and does.

Goal 5: Acquire knowledge of research fundamentals in English.

Objective 5.1: Students will locate, assess, and incorporate secondary sources (including electronic ones) into their own arguments.

Goal 6: Develop revision strategies and editing skills.

Objective 6.1: Students will demonstrate an understanding of revision.

Objective 6.2: Students will practice editing skills through examining their own writing and the writing of their peers.

Requirements for the English Major

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

GEP Electives

Thirteen to sixteen courses, depending on how many courses are required in the variable core

Major Requirements

Major Concentration

Ten courses

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 222</td>
<td>SophSem:Critical App Lit Study</td>
<td>3</td>
</tr>
<tr>
<td>ENG 402</td>
<td>Shakespeare: Early Works</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 403</td>
<td>Shakespeare: Later Works</td>
<td></td>
</tr>
<tr>
<td></td>
<td>British Literature before 1832 or American Literature before 1860</td>
<td></td>
</tr>
<tr>
<td></td>
<td>British/Irish/World Literature course</td>
<td></td>
</tr>
<tr>
<td></td>
<td>American Literature course</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Writing (creative, journalism, rhetoric, pedagogy)</td>
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</tbody>
</table>

Diversity within the Major

One course within the ten must be an English diversity course, which can be taken at any level and can overlap with other English requirements. This course does not satisfy the diversity, globalization or non-Western area studies degree requirement in the GEP.

Internship policy

One internship can count toward the major. Additional internships must be taken as general electives.

All English majors will be assigned a Departmental advisor with whom they will consult during the course of their studies and who will help them select a pattern of courses appropriate to their talents, interests, and possible careers.
Integrated Learning Courses

In consultation with, and with the approval of their faculty advisor, English Majors must complete three additional courses within the College of Arts & Sciences but outside the English major, with no more than two classes taken from the same department.

Track Options

Students also take four courses in one of the four track options:

- Literature,
- Writing,
- Theatre/Drama,
- Journalism.

See below for information about the English/Education Dual Major requirements beyond the core.

Literature Track

The Literature track requires one Medieval/Renaissance course, one Literary Theory or Genre Studies course, one literature course of any period (including dramatic literature), and one English elective.

Writing Track

The Writing Track requires three writing courses and one elective. With the chair’s permission, some Professional Writing and Speaking courses (PWS), offered in the College for Professional and Liberal Studies, may be taken in fulfillment of writing requirements.

Drama/Theatre Track

The Drama/Theatre Track requires MTF 161 Introduction to Theatre, two additional drama/theatre courses taken in the English Department, and one elective, which may be an English literature or writing course or one of the following Music, Theatre and Film courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 261</td>
<td>Theatre Performance Practicum</td>
<td>3</td>
</tr>
<tr>
<td>MTF 263</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>MTF 264</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>MTF 265</td>
<td>Directing for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>MTF 268</td>
<td>Musical Theater Performance</td>
<td>3</td>
</tr>
</tbody>
</table>

Journalism Track

The Journalism Track requires ENG 261 News Reporting, ENG 490 Journalism Internship, and two additional courses in journalism. Students may take any 300 or 400 level journalism course, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 460</td>
<td>Magazine Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 461</td>
<td>Food Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 462</td>
<td>Travel Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Students in the Journalism Track are also encouraged to consider the Communication Studies Minor.

Interdisciplinary Programs in Africana, American, Ancient, Asian, European, Gender, and Medieval/Renaissance/Reformation Studies

English majors are eligible to participate in the Program in Africana Studies, the Program in American Studies, the Program in Ancient Studies, the Program in Asian Studies, the Program in Gender Studies, and the Program in Medieval, Renaissance, and Reformation Studies described elsewhere. All of these minors work well with the major.

Seminars and Writing Workshops

Seminars and writing workshops offered by the Department are designed to fit into a seminar room, with class size optimized at 16; the main purpose of any such seminar will be to give the student experience in intensive reading or writing experience. Literature seminars often involve closely supervised research in a specific area of literary studies. Writing workshops involve development of creative texts (poems, stories, creative nonfiction essays).

Independent Studies and Internships

English majors who have completed four regular semesters with an overall grade point average of 3.0 (or a cumulative average of 3.4 or higher for courses in English) may apply for credit in an independent study program, generally involving a topic that is not typically offered in the English curriculum and that will enrich the major program. At the end of the sophomore or early in the junior year, interested students may submit a written proposal describing, with particulars, the planned study project. The minimum requirement for such a proposal is that it include a substantial critical or creative writing project. If the proposal is accepted, the student will be assigned a faculty mentor who will oversee the writing project, offer advice on readings, help with the selection of courses, and establish a timetable for the completion of the writing project. The project may extend over one or two semesters. Serious and satisfactory work for one semester will earn three credits. A student who successfully completes the two-semester project will receive six credits. Internship independent studies are intended to introduce a junior or senior to professional writing, editorial, and related skills in a particular communications area. See the following under Course Descriptions for additional information:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 370</td>
<td>Independent Study:Jr. Level</td>
<td>3</td>
</tr>
<tr>
<td>ENG 470</td>
<td>Independent Study:Senior Level</td>
<td>3</td>
</tr>
<tr>
<td>ENG 490</td>
<td>Journalism Internship</td>
<td>3</td>
</tr>
<tr>
<td>ENG 491</td>
<td>Independent Study:Community Svc</td>
<td>3</td>
</tr>
<tr>
<td>ENG 492</td>
<td>English Internship</td>
<td>3</td>
</tr>
<tr>
<td>ENG 493</td>
<td>Indep Research Project (Fall)</td>
<td>6-9</td>
</tr>
<tr>
<td>&amp; ENG 494</td>
<td>and Indep Research Project (SPR)</td>
<td></td>
</tr>
</tbody>
</table>
The Center also offers online tutoring as well as assistance with digital writing such as blogging, social media, and slide share presentations. Projects and analytical essays, as well as résumés, cover letters, and graduate school personal statements.

Students who are interested in becoming peer tutors take ENG 345 Tutor Practicum, Writing Center Theory and Practice. The Tutor Practicum course is open to students in any major, and it is particularly appropriate for pre-law, pre-med and Education majors, as well as English majors and anyone interested in writing as a profession. Permission of the instructor is required; applications for the fall semester course are available in the spring.

**English/Secondary Education Double Major**

The English/Secondary Education Double Major requires two literature courses, including dramatic literature, and two writing courses. The three Integrative Learning Courses for the Education Track are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 160/160F</td>
<td>Intro to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPE 310/310F</td>
<td>Assessment &amp; Progress Monitor</td>
<td>3</td>
</tr>
<tr>
<td>SPE 203/203F</td>
<td>Tchng Adolescents Inclus Envir</td>
<td>3</td>
</tr>
</tbody>
</table>

The following are recommended for satisfying both Education and GEP requirements: first-year EDU 150/EDU 150F Schools in Society for the first-year seminar, EDU 157/EDU 157F Adolescent Development for the social and behavioral science requirement, and a Linguistics course for the Art/Lit requirement.

**Teacher Certification for Secondary Schools**

Students majoring in English who complete the double major in Secondary Education may apply to obtain an Instructional I, Secondary Education (12) Teaching Certificate from the State of Pennsylvania. In addition to their English advisor, English/Secondary Education double majors will also be assigned an advisor from the Education Department who will guide them through their required Education courses. The Education advisor will also assist students seeking teacher certification in formally applying for the teacher certification program, usually in the spring semester of their sophomore year. Students must have an overall GPA of 3.0 or higher to enroll in EDU 497 Secondary Student Teaching in their senior year. Students must maintain an overall GPA of 3.0 or higher to obtain teacher certification upon graduation.

Pennsylvania’s Secondary (referred to as “secondary” or “7-12”) preparation program guidelines require a professional core of courses, early and varied field experiences, and student teaching. In addition to the subject-specific content requirements for secondary programs that are met by the student’s major, candidates for the 7-12 teaching certificate in Pennsylvania must complete a prescribed sequence of coursework, which includes the specific requirements for Accommodations and Adaptations for Diverse Learners in Inclusive Settings and Meeting the Needs of English Language Learners under §49.13(4)(i)).

Below is the recommended program for students who will be eligible for a PA Level I teaching certificate in Secondary Education.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 150/150F</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Writing Studies M.A.**

**Graduate Arts and Sciences**

Tenaya Darlington, M.F.A., Director, Writing Studies
113 Merion Hall
610-660-3271
tdarling@sju.edu

**Program Description**

The Writing Studies program is unique to the Philadelphia area. Our program bridges the gap between traditional master’s degrees in English and creative writing degrees by emphasizing that all writing is creative. Our students take a wide variety of courses in order to explore the craft of writing from various perspectives.

This innovative program has several distinguishing features: it offers excellent training for magazine or journal editors and freelance writers; it provides rich growth opportunities for teachers of writing at the secondary or community college level; it provides important experience for traditional journalists; it incorporates collaborative workshops to stimulate creativity; and it develops skills important for success in corporate communications and public relations.

All of the teachers in the Writing Studies program are practicing writers who write in the genre that they teach. In other words, our public relations writing courses are taught by public relations writers, and published novelists teach our novel writing courses. All of our courses are small—typically fifteen students or less—to enable each student to get individual feedback from the instructor and detailed feedback from peers.

The students in the Writing Studies program are diverse in age, race, occupation, gender, and belief systems. The diversity of our students contributes to the success of our program. In addition to world-class writing faculty, students in our M.A. bring a wide range of ideas, creativity, and energy to our classes. Each class becomes its own community of writers.

In the Jesuit tradition of *Eloquentia Perfecta*, all Writing Studies courses engage students in using speech and writing effectively, logically, gracefully, persuasively, and responsibly. Students focus on developing the craft of a professional writer through drafting, revising,
and incorporating feedback from peers and instructors as the writing progresses toward publication. We hope all of our students will become working writers who write for a wide variety of audiences.

This program is designed to position its graduates to be very competitive in the broad field of professional writing and communications. The courses in the program are all focused, in one way or another, on the work of the writer. Graduates will pursue careers in a wide range of areas: public relations, magazine and book editing, freelance writing (fiction and nonfiction), print and broadcast journalism, corporate communications, and the teaching of writing. The Writing Studies program accommodates both full-time and part-time students.

**Admission Requirements and Procedures**

The Writing Studies program is designed to provide advanced training for people who have a good undergraduate foundation in the writing area and/or people who may have substantial work experience in professional writing or communications. Application forms are available online at http://www.sju.edu/academics/cas/grad/index.html.

Applicants should submit the following:

- a completed Saint Joseph’s University graduate application.
- official sealed transcript(s) of undergraduate/graduate coursework. Saint Joseph’s University graduates do not have to obtain their transcripts. The program will access your transcripts.
- a current résumé
- two letters of recommendation appraising the candidate's promise and capacity for graduate study, reflecting, from a professional's point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level. Often one of these comes from a former faculty member and one from a current employer, but two employer references or two academic references are acceptable.
- a two-to-three page (500 to 750 words) personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant's rationale for program choice and professional study
- Two samples of writing (preferably published work – whether in college publications or in other places). Samples can be up to 20 pages, and can represent a variety of your writing (i.e., a short story and a newspaper article; a selection of poems and a newsletter. See below)
- $35 application fee – waived if attended an Open House or an SJU graduate.

The Graduate Committee looks for both a strong academic record and signs of serious interest in the work of a writer. The personal statement is a particularly important aspect of the application; a prospective student should use the personal statement to articulate his or her reasons for selecting this particular M.A. program and to discuss his or her strengths as writer in some detail. Writing samples can be analytical, creative, journalistic, or persuasive, and they can vary in length (up to 20 pages for the two samples. Many of our successful applicants submit one piece of creative writing and one piece of analytic writing to support their applications. A personal interview with the applicant may be requested.

**Learning Goals & Objectives for Writing Studies M.A. Program**

**Goal 1:** Acquire knowledge of the writing process

Students will be able to:

**Objective 1.1:** Exercise patterns of invention for creating original work by following a process-oriented approach to writing that includes brainstorming, drafting, and revision.

**Goal 2:** Develop editorial skills

Students will be able to:

**Objective 2.1:** Formulate constructive responses to the work of their peers regarding stylistic choices and organizational principles in one or more creative literary forms (poetry, fiction, creative nonfiction).

**Objective 2.2:** Practice editing skills through examining their own writing.

**Goal 3:** Acquire knowledge of the publishing process

Students will be able to:

**Objective 3.1:** Locate publishing venues and prepare a manuscript for submission in one or more genres, such as fiction, nonfiction, poetry, journalism, academic writing, or online content.

**Goal 4:** Develop rhetorical skills through analysis and practice

Students will be able to:

**Objective 4.1:** Demonstrate knowledge of rhetorical concepts, such as audience, purpose, and medium.

**Objective 4.2:** Practice analyzing appeals to character, emotion, and logic in persuasive discourse.

**Goal 5:** Develop long-form writing skills

Students will be able to:

**Objective 5.1:** Exercise the ability to plan, write, revise, and edit a work of at least 60–80 pages.

**Degree Requirements**

The M.A. in Writing Studies requires 30 credits of graduate work. Six credits will come from a thesis project (either an analytical study or a collection of original creative material, 700 level). The remaining credits involve courses at the 500 and 600 level. The program includes provisions for internships and directed individual projects of various kinds.

All students in the program will take two core courses: **ENG 550 The Practice of Writing** and **ENG 560 Rhetoric Then and Now**. These courses provide breadth of perspective on all of the general issues and circumstances faced by writers in the process of engaging an audience and making a living through the craft of language. Other courses in the program are organized in three complementary areas:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AREA I: Writing and Culture (ENG 600-ENG 629)</td>
<td></td>
<td></td>
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<tr>
<td>AREA II: Rhetoric and Composition: Theory and Practice (ENG 630-ENG 659)</td>
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<tr>
<td>AREA III: Professional Writing (ENG 660-ENG 699)</td>
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</table>

All graduates of the program are required to have at least one course from each area; two courses in an area would create a concentration. All of the courses are designed to have writing as the center of concern, and
many of the courses will emphasize writing for publication, from blogs to print. Some courses may count in multiple areas; consult the graduate director for details.

**Creative Writing Minor**

**Learning Goals and Objectives**

**Goal 1:** Develop creative abilities.

**Objective 1.1:** Exercise their imaginations in crafting their own creative works.

**Goal 2:** Develop revision strategies and editing skills.

**Objective 2.1:** Improve their creative work through revision and editing.

**Goal 3:** Practice a range of creative writing genres, including but not limited to: fiction, poetry, creative nonfiction, screenwriting, playwriting.

**Objective 3.1:** Write in various creative writing genres with an understanding of the conventions of each.

**Goal 4:** Learn to critique and revise creative work by way of the workshop format.

**Objective 4.1:** Critique the creative work of others in a constructive and insightful manner.

The minor in Creative Writing requires four creative writing courses beyond the common courses (ENG 101 and ENG 102).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 241</td>
<td>Creative Writing: Intro Wrkshop</td>
<td>3</td>
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</tbody>
</table>

Select three 300 or 400 level creative writing courses, including:

- ENG 370 | Independent Study: Jr. Level | 3 |
- or ENG 470 | Independent Study: Senior Level | 3 |

English Majors are not permitted to minor in Creative Writing. Instead, English Majors are encouraged to do the Creative Writing Track in the English Major.

**Educational Studies Minor**

**Learning Goals and Objectives**

**Goal 1:** Acquire knowledge of significant texts in the British, Irish, American, and Anglophone literary traditions.

**Objective 1.1:** Students will demonstrate a familiarity with British, Irish, American, and Anglophone key texts and an understanding of the historical continuities among literary conventions and imaginative traditions.

**Goal 2:** Develop rhetorical skills.

**Objective 2.1:** Students will recognize and use various rhetorical modes, including (but not limited to) narrative, exposition, analysis, and argument.

**Goal 3:** Develop creative abilities.

**Objective 3.1:** Students will exercise their imaginations in crafting their own creative works and performances, particularly through creative writing workshops and theatre courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDU 150/160</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246</td>
<td>Literacy, Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>SPE 160</td>
<td>Intro to Special Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Developmental Course**

Select one of the following:

- EDU 151 | Develop, Cognition, & Learning |
- EDU 121 | Child Development |
- EDU 157 | Adolescent Development |

**Additional Courses**

Select two of the following:

- EDU 155 | Foundations of Early Childhood |
- EDU 231 | Assessment and Evaluation |
- EDU 232 | Reading Literature I |
- EDU 241 | Social Motor Development |
- EDU 247 | Literacy in the Content Areas |
- SPE 200/203 | Teaching in Inclusive Environ |

For More Information contact: 

*Dr. Frank M. Bernt,* Chair

**Teacher Education Department**

**Note:** A minor in Educational Studies is not sufficient to satisfy coursework for PDE Level 1 certification.

**English Minor**

**Learning Goals and Objectives**

**Goal 1:** Acquire knowledge of significant texts in the British, Irish, American, and Anglophone literary traditions.
Objective 1.1: Demonstrate a familiarity with British, Irish, American, and Anglophone key texts and an understanding of the historical continuities among literary conventions and imaginative traditions.

Goal 2: Develop rhetorical skills.

Objective 2.1: Recognize and use various rhetorical modes, including (but not limited to) narrative, exposition, analysis, and argument.

Goal 3: Develop creative abilities.

Objective 3.1: Exercise their imaginations in crafting their own creative works and performances, particularly through creative writing workshops and theatre courses.

Goal 4: Develop revision strategies and editing skills

Objective 4.1: Demonstrate an understanding of revision.

Objective 4.2: Practice editing skills through examining their own writing and the writing of their peers.

The minor in English requires four English courses beyond the common courses (ENG 101 and ENG 102) of the GEP. Students may choose any combination of English major courses in literature, writing, journalism, or drama/theater, including Independent Study (ENG 370 or ENG 470).

Journalism Minor

Learning Goals and Objectives

Goal 1: Develop an understanding of the vital role that media organizations play in sustaining democracies.

Objective 1.1: Demonstrate an understanding of the rights and responsibilities of a free press as well as an understanding of the various economic and social factors that influence the creation, dissemination, and consumption of journalism.

Goal 2: Learn basic journalism principles and accepted tenets of journalism ethics and the law, in part by way of significant moments in journalism history.

Objective 2.1: Develop and produce stories, and adhere to reporting practices, that reflect an understanding of basic journalism principles and that follow ethical guidelines such as those outlined in the Society of Professional Journalists Code of Ethics.

Goal 3: Develop reporting skills, from story ideation and discovery to pitching, sourcing, interviewing and information gathering.

Objective 3.1: Produce a variety of journalism, from breaking news or game day stories to full-length features or multimedia packages, that reflects learned skills in story ideation and reporting.

Goal 4: Develop writing skills that help them produce engaging journalistic content, including but not limited to news and feature stories, with particular attention paid to writing strong leads, organizing and focusing story angles and materials, and incorporating quotes.

Objective 4.1: Produce a variety of journalism, from breaking news or game day stories to full-length features or multimedia packages, that reflects learned skills in the development of story angles, in organization of sourced materials and in writing.

Goal 5: Acquire skills with common and emerging multimedia tools, platforms and programs, aiding in the creation, hosting and promotion of journalistic work.

Objective 5.1: Demonstrate familiarity with various multimedia tools and programs, and in particular, an understanding of the use of social media platforms for journalists and news organizations.

Goal 6: Develop revision strategies and copy editing skills consistent with accepted journalism practice and style.

Objective 6.1: Practice revision strategies and demonstrate knowledge of copy editing skills and journalism style.

The minor in Journalism requires six journalism courses beyond the common courses (ENG 101 and ENG 102) of the GEP.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENG 261</td>
<td>News Reporting</td>
<td>3</td>
</tr>
<tr>
<td>ENG 490</td>
<td>Journalism Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four 300 or 400 level journalism courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENG 460</td>
<td>Magazine Writing</td>
</tr>
<tr>
<td>ENG 461</td>
<td>Food Writing</td>
</tr>
<tr>
<td>ENG 462</td>
<td>Travel Writing</td>
</tr>
</tbody>
</table>

English Majors may also minor in Journalism.
ENVIRONMENTAL SCIENCE

Environmental Science in the GEP (See Curricula)
The GEP requires that all students take EITHER one semester of a lab-based natural science course (6 contact hours) OR two semesters of lecture-only natural science courses.

Non-science majors Environmental Science GEP courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENV 105</td>
<td>The Environment</td>
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</table>

Non-science majors Environmental Science GEP lab-based courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 106 &amp; 106L</td>
<td>Exploring the Earth and Exploring the Earth Laboratory</td>
<td>4</td>
</tr>
</tbody>
</table>

Director
• Fingerut

Environmental Science Advisory Board
• Arango
• King-Smith
• McRobert
• Neiva
• Phillips
• Rao
• Sharma
• Steingard

Undergraduate
• Environmental Science (p. 261)

Undergraduate Minors
• Environmental Science (p. 263)
• Environmental and Sustainability Studies (p. 260)

ENV 102 Environ Theory & Ethics Sem (3 credits)
An introduction to the political, economic, social, scientific, and philosophical concerns involved in environmental issues. Students will read, discuss, and write about current and controversial topics or problems integrating the aforementioned disciplines of study. A major goal of this course is to expose the students to the interdisciplinary nature of environmental science and the challenges of solving environmentally related problems. This course satisfies the Ethics Intensive Overlay.
Prerequisites: (ENV 105 or ENV 106) and PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

ENV 103 Intro to Planet Earth (3 credits)
ENV 105 The Environment (3 credits)
An examination of the fundamental themes of ecology with an emphasis on the impact of humans on their environment. Included are discussions of current interest topics such as oil spills, nuclear waste, and rain forest destruction. This course fulfills a lecture-only natural science course requirement for the GEP natural science area.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology or Physics.
Attributes: GEP Natural Science, Undergraduate

ENV 106 Exploring the Earth (4 credits)
A lab-based course that provides an overview of the functioning of the Earth. Ecology, basic biology, environmental science, and current events are used to examine the earth. Topics include natural resources, population, pollution, ecosystems, biogeochemical cycles, and biodiversity. This course satisfies the Natural Science requirement of the GEP.

ENV 106L Exploring the Earth Laboratory (0 credits)

ENV 150 Global Change Biology (3 credits)
ENV 216 Environment and Public Health (3 credits)
ENV 270 Special Topics (3 credits)
ENV 301 Environmental Chemistry (3 credits)
ENV 302 Environmental Geology (3 credits)
ENV 390 Environmental Science Seminar (0 credits)
This series of speakers will introduce majors and minors to current environmental science research, career options and experts in relevant disciplines inside and outside of the natural sciences.
Attributes: Undergraduate

ENV 490 Environmental Sci Internship (3 credits)
The Environmental Science Internship entails spending a minimum of ten (10) hours each week in a supervised fieldwork experience or approved environmental field course. Grading is based on student reports during weekly meetings with internship instructor, preparation of an internship journal, academic papers, exams, and formal evaluation by internship supervisor. Junior and senior Environmental Science majors and Environmental Science and Studies minors only
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Environmental Science.
Attributes: Undergraduate

ENV 493 Undergraduate Research in Env (3 credits)

Environmental And Sustainability Studies Minor
The environment is receiving significant attention in recent years in light of issues such as climate change, declining energy resources, and other sustainability related issues. A minor in Environmental and Sustainability Studies is meant to serve a broad student population and will provide students with an extensive understanding of environmental and sustainability issues. The minor will yield graduates who are truly "men and women for others" by preparing students for careers that will identify and study the causes and effects of current and future environmental challenges, educate others about the environment, and help write and analyze related policy.
Learning Goals and Objectives for the minor in Environmental and Sustainability Studies

Goal 1: Students will develop an understanding of the importance of the environment, the extent to which societal actions impact it, the need for sustainability and how that sustainability can be achieved.

Objective 1.1: Students will be able to describe the basic environmental challenges facing the world today, their causes, and possible solutions.

Objective 1.2: Students will be able to describe the scientific, ethical, and moral imperatives behind the need to protect and sustain a healthy environment, and the role of environmental science and environmental scientists in those efforts.

Goal 2: Students will develop an understanding of the importance of the environment, the extent to which societal actions impact it, the need for sustainability and how that sustainability can be achieved.

Objective 2.1: Students will demonstrate an understanding of the linkages between environmental science and non-natural science disciplines such as business, economics, history, politics, sociology, etc.

Requirements for the Minor

Students must take six courses for the Minor in Environmental and Sustainability Studies. Courses taken to fulfill requirements of the minor may also fulfill the GEP or overlay (Ethics, Globalization /Diversity, Writing Intensive) requirements as well as the student’s major.

All students will take (in this sequence):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 106</td>
<td>Exploring the Earth</td>
<td>4</td>
</tr>
<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
<td>3</td>
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</tbody>
</table>

ENV 102 is currently offered every other year and fulfills the Ethics Intensive overlay.

Students are required to take four additional courses from the following four groups (Groups A-D). Courses do not need to be taken in any particular order, but some courses may require prerequisites. No more than two courses can be taken from each group.

Note for Natural Science majors: Students majoring in Biology, Chemistry, Chemical Biology, or Physics may minor in Environmental and Sustainability Studies. These students should fulfill at least three of their elective from groups B-D. The fourth can be chosen from Group A or B of the Environmental Science Major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 165 &amp; 165L</td>
<td>Understanding our planet Exploring the Living World and Exp. Living World Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHM 100</td>
<td>Chemistry for the Consumer</td>
<td>3</td>
</tr>
<tr>
<td>DSS 460</td>
<td>Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>PHY 112</td>
<td>Energy: Problems &amp; Promises</td>
<td>3</td>
</tr>
<tr>
<td>PHY 113 &amp; 113L</td>
<td>Societal responses past and present Exploring the Physical World and Exploring the Phys World Lab</td>
<td>4</td>
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</table>

Group A: Understanding our planet

Group B: Societal responses past and present

Group C: Economic Issues and solutions

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 370</td>
<td>Economic Development</td>
<td>3</td>
</tr>
<tr>
<td>ECN 375</td>
<td>Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>MKT 150</td>
<td>People, Planet and Profit</td>
<td>3</td>
</tr>
<tr>
<td>MKT 450</td>
<td>Marketing Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>PHL 150</td>
<td>First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SOC 316</td>
<td>Fair Trade: Coffee-Co-Op to Cup</td>
<td>3</td>
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</table>

Group D: Experiential Learning

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 490</td>
<td>Environmental Sci Internship</td>
<td>3</td>
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</tbody>
</table>

Environmental Science Major

Program Overview

The Environmental Science Program provides an interdisciplinary perspective on today’s many environmental concerns and prepares students for careers in the ever-growing field of environmental science. Emphasis is placed on developing an understanding of environmental issues from the perspectives of biological science, physical science, and a range of relevant disciplines in the social sciences, humanities and business. The strength and uniqueness of the Environmental Science Program at Saint Joseph’s University is a strong foundation in the natural sciences, which is critical to understanding the scientific concepts that underlie all environmental issues. Majors will work through a course of study that will develop an understanding of the basic principles and concepts of biology, chemistry, physics, and mathematics, then move on to a series of upper-level courses in biological sciences, physical sciences, and environmental studies. By choosing upper division courses in the areas that most interest them, each student will have the ability to design a unique course of study that will prepare him or her for a particular environmentally related career. A semester-long internship affords students the opportunity to gain hands-on experience working in the field of environmental science.

Learning Goals and Objectives for the B.S. in Environmental Science Major

Goal 1: Students will develop an understanding of the importance of the environment, the extent to which societal actions impact it, the need for sustainability and how sustainability can be achieved.

Objective 1.1: Students will be able to describe the basic environmental challenges facing the world today, their causes, and possible solutions.

Objective 1.2: Students will be able to describe the scientific, ethical, and moral imperatives behind the need to protect and sustain a healthy environment, and the role of environmental science and environmental scientists in those efforts.

Goal 2: Students will develop an understanding of the opportunities and challenges facing efforts to protect the environment and developing a sustainable society.

Objective 2.1: Students will demonstrate an understanding of the linkages between environmental science and non-natural science disciplines such as business, economics, history, politics, sociology, etc.
Goal 3: Students will develop a strong foundation in the physical and natural sciences, including environmental science, biology, chemistry, and physics.

Objective 3.1: Students will demonstrate knowledge of basic biology, including cell biology, genetics, and organismal biology

Objective 3.2: Students will demonstrate knowledge of general chemistry and physics.

Goal 4: Students will develop the skills needed for a successful career in Environmental Science, including experimental design, surveying of scientific literature, data collection, data reduction and the presentation of scientific conclusions to a range of audiences.

Objective 4.1: Students will demonstrate competency in operating basic laboratory equipment required to quantify and measure accurately.

Objective 4.2: Students will apply skills in data reduction including choosing and interpreting appropriate statistical tests.

Objective 4.3: Students will be able to develop cogent, well structured, and researched written and oral presentations of scientific material.

Goal 5: Students will understand the types of careers available to environmental scientists, create connections with people in the field of environmental science, and receive hands-on experience in the working world.

Objective 5.1: Students will demonstrate an understanding of the role of environmental science and scientists in societal efforts towards sustainability and complete an internship applying their knowledge to real-world issues alongside environmental professionals.

Requirements for the Environmental Science Major

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAT 155</td>
<td>Fundamentals of Calculus</td>
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<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
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Natural Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells &amp; 101L</td>
<td>4</td>
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</table>

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
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<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>BIO 102</td>
<td>Bio II: Genetics &amp; 102L</td>
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Chemistry

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>CHM 120</td>
<td>General Chemistry I &amp; 120L</td>
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Mathematics

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</thead>
<tbody>
<tr>
<td>MAT 128</td>
<td>Applied Statistics</td>
<td>3</td>
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GEP Electives
Six courses

Major Requirements

Major Concentration
Fifteen courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 201</td>
<td>Bio III: Organismic Biology &amp; 201L</td>
<td>4</td>
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</tbody>
</table>

Environmental Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 106</td>
<td>Exploring the Earth &amp; 106L</td>
<td>4</td>
</tr>
<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
<td>3</td>
</tr>
</tbody>
</table>

Chemistry

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 125</td>
<td>General Chemistry II &amp; 125L</td>
<td>5</td>
</tr>
<tr>
<td>CHM 210</td>
<td>Organic Chemistry I &amp; 210L</td>
<td>4</td>
</tr>
</tbody>
</table>

Physics

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHY 101</td>
<td>General Physics I &amp; 101L</td>
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</tr>
<tr>
<td>PHY 105</td>
<td>University Physics I &amp; 105L</td>
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</tbody>
</table>

Internship

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 490</td>
<td>Environmental Sci Internship</td>
<td>3</td>
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</tbody>
</table>

Select one from each of the following groups:

Group A: Biological Sciences

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 401</td>
<td>Animal Behavior</td>
<td></td>
</tr>
<tr>
<td>BIO 405</td>
<td>Biomechanics</td>
<td></td>
</tr>
<tr>
<td>BIO 409</td>
<td>Ecology</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells</td>
<td>4</td>
</tr>
<tr>
<td>BIO 102</td>
<td>Bio II: Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 201</td>
<td>Bio III: Organismic Biology</td>
<td>4</td>
</tr>
<tr>
<td>ENV 106</td>
<td>Exploring the Earth</td>
<td>4</td>
</tr>
<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
<td>3</td>
</tr>
<tr>
<td>ENV 490</td>
<td>Environmental Sci Internship</td>
<td>3</td>
</tr>
<tr>
<td>ENV 390</td>
<td>Environmental Science Seminar (2 semesters)</td>
<td>0</td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 120</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>&amp; 120L</td>
<td>and General Chemistry Lab I</td>
<td></td>
</tr>
<tr>
<td>CHM 125</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; 125L</td>
<td>and General Chemistry Lab II</td>
<td></td>
</tr>
<tr>
<td>CHM 210</td>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 210L</td>
<td>and Organic Chemistry Lab I</td>
<td></td>
</tr>
</tbody>
</table>

Three additional courses representing at least two of the following course groups (A, B and C)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 401</td>
<td>Animal Behavior</td>
</tr>
<tr>
<td>BIO 405</td>
<td>Biomechanics</td>
</tr>
<tr>
<td>BIO 409</td>
<td>Ecology</td>
</tr>
<tr>
<td>BIO 413</td>
<td>Plant Physiological Ecology</td>
</tr>
<tr>
<td>BIO 414</td>
<td>Plant Systematics</td>
</tr>
<tr>
<td>BIO 416</td>
<td>Microbiology</td>
</tr>
<tr>
<td>BIO 419</td>
<td>Invertebrate Zoology</td>
</tr>
<tr>
<td>BIO 422</td>
<td>Applied &amp; Environ Microbiology</td>
</tr>
<tr>
<td>BIO 423</td>
<td>Evolution</td>
</tr>
</tbody>
</table>

### Environmental Science Minor

**Learning Goals and Objectives for the minor in Environmental Science**

**Goal 1:** Students will develop an understanding of the importance of the environment, the extent to which societal actions impact it, the need for sustainability and how that sustainability can be achieved.

**Objective 1.1:** Students will be able to describe the basic environmental challenges facing the world today, their causes, and possible solutions.

**Objective 1.2:** Students will be able to describe the scientific, ethical, and moral imperatives behind the need to protect and sustain a healthy environment, and the role of environmental science and environmental scientists in those efforts.

**Goal 2:** Students will develop a strong foundation in the physical and natural sciences, including environmental science, biology, chemistry, and physics.

**Objective 2.1:** Students will demonstrate knowledge of basic biology, including cell biology, genetics, and organismal biology.

**Objective 2.2:** Students will demonstrate knowledge of general chemistry and physics.

**Goal 3:** Students will understand the types of careers available to environmental scientists, create connections with people in the field of environmental science, and receive hands-on experience in the working world.

**Objective 3.1:** Students will demonstrate an understanding of the role of environmental science and scientists in societal efforts towards sustainability and complete an internship applying their knowledge to real-world issues alongside environmental professionals.

The minor in environmental science requires completion of the following (along with their respective laboratory sections) and three additional courses representing at least two of the course groups (A, B and C).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>DSS 460</td>
<td>Geographic Information Systems</td>
</tr>
<tr>
<td>ECN 370</td>
<td>Economic Development</td>
</tr>
<tr>
<td>ECN 375</td>
<td>Environmental Economics</td>
</tr>
<tr>
<td>ENG 426</td>
<td>Nature Writing in America</td>
</tr>
<tr>
<td>ENG 433</td>
<td>Writing and Environmt Justice</td>
</tr>
<tr>
<td>HIS 386</td>
<td>American Environmental History</td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
</tr>
<tr>
<td>MKT 150</td>
<td>People, Planet and Profit</td>
</tr>
<tr>
<td>MKT 450</td>
<td>Marketing Study Tour</td>
</tr>
<tr>
<td>PHL 316</td>
<td>Food and Justice</td>
</tr>
<tr>
<td>POL 327</td>
<td>Environmental Politics in Am</td>
</tr>
<tr>
<td>SOC 316</td>
<td>Fair Trade:Coffee-Co-Op to Cup</td>
</tr>
</tbody>
</table>

Select four additional upper level environmental science electives

1. In addition, enrollment in ENV 390 Environmental Science Seminar, is required each semester.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 426</td>
<td>Nature Writing in America</td>
</tr>
<tr>
<td>ENG 433</td>
<td>Writing and Environmental Justice</td>
</tr>
<tr>
<td>HIS 386</td>
<td>American Environmental History</td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
</tr>
<tr>
<td>MKT 150</td>
<td>People, Planet and Profit</td>
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<tr>
<td>MKT 450</td>
<td>Marketing Study Tour</td>
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<tr>
<td>PHL 316</td>
<td>Food and Justice</td>
</tr>
<tr>
<td>POL 327</td>
<td>Environmental Politics in Am</td>
</tr>
<tr>
<td>SOC 316</td>
<td>Fair Trade: Coffee-Co-Op to Cup</td>
</tr>
</tbody>
</table>
EUROPEAN STUDIES

The European Studies Program offers certificate program.

Major In European Studies

As of fall 2016, students will no longer be able to declare European Studies as their major.

Director

• Buckley

Undergraduate Certificates

• European Studies (p. 265)

European Studies Certificate

The certificate program in European studies is designed to give students majoring in diverse fields such as Art, Economics, English, Finance, French, German, History, International Relations, Italian, Marketing, Music, Theatre and Film, Philosophy, Political Science, Spanish, and Theology the possibility of focusing their major and elective courses in the area of European Studies. Serving as preparation for graduate studies or work in the fields of international commerce and foreign affairs, the program provides considerable study of a continental European language of the student’s choice aimed at complementing studies in the major concentration.

Requirements for the program in European studies include a minimum of six courses in French, German, Italian, or Spanish (201/202 - for German and Italian - or 202/301 - for French and Spanish + four approved advanced courses at the 300 or 400-level) and a minimum of four approved 300 or 400-level courses dealing with European studies in one or several of the following areas:

• Economics
• Art
• English
• Music, Film and Theater
• Finance
• History
• Philosophy
• International Relations
• Political Science
• Marketing
• Theology

Courses taken to satisfy requirements of the program may also serve to satisfy GEP, major and elective requirements, as appropriate. Students completing program requirements will be awarded a Certificate in European Studies.

Students must choose at least two courses from Group I in economics, finance, history, international relations, marketing, or political science; one from Group II in philosophy or theology; and one from Group III in art, music, theater and film or European literature. A list of the courses contained in each of these groups may be obtained from the Director of the program, who must be consulted by students when selecting courses.
FAITH-JUSTICE STUDIES MINOR

Students deciding to pursue a minor in Faith-Justice Studies are strongly advised to contact the Faith-Justice Institute during their sophomore year.

Students seeking the minor are required to successfully complete 6 courses from the program's listings with no more than three from one’s major area and at least one Theology course which directly addresses Catholic Social Thought. The following courses address Catholic Social Thought: THE 261, THE 361, THE 366, THE 372, and THE 373. By the end of their senior year, students need to submit a brief portfolio of their work to the Director of the Faith Justice Studies program.

Students are permitted to convert one upper division course into a Faith-Justice studies course provided that they observe the following guidelines:

1. student will obtain written permission from the instructor of the course and the Director of the Faith-Justice Studies program within the first six weeks of the course,
2. student will submit a written plan indicating how the course will satisfy Faith-Justice Studies course criteria,
3. student will submit a brief 3-4 page report at the end of the semester outlining how Faith-Justice Studies objectives have been met, along with supporting written materials (examinations, journals, projects, etc.).

Students may also use 3 credits of a senior independent project (for example an honors thesis project) to satisfy one of the course requirements provided they submit a proposal signed by a faculty mentor or departmental chair from their major within the first six weeks of the semester during which the three credits will be earned.

The courses listed below are a partial listing of courses which may apply towards the Faith-Justice Studies minor. Students are advised to refer to course schedules and to meet with the Director of the Faith-Studies program during the registration period to determine which sections of each course apply: not all sections of every course necessarily satisfy requirements for the Faith-Justice studies minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 180</td>
<td>Encountering Mystery</td>
<td>3</td>
</tr>
<tr>
<td>DSS 420</td>
<td>Introduction to Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>ECN 150</td>
<td>First-year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDU 362</td>
<td>Social Studies Thru Arts PK-4</td>
<td>3</td>
</tr>
<tr>
<td>ENG 444</td>
<td>Writing through RaceClassGender</td>
<td>3</td>
</tr>
<tr>
<td>ENG 450</td>
<td>Hospital Stories</td>
<td>3</td>
</tr>
<tr>
<td>HIS 204</td>
<td>Latin American-U.S. Migration</td>
<td>3</td>
</tr>
<tr>
<td>IBS 210</td>
<td>Intro International Busines</td>
<td>3</td>
</tr>
<tr>
<td>IHS 331</td>
<td>Statistics &amp; Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>LEO 150</td>
<td>Serious Comedy &amp; Soc. Justice</td>
<td>3</td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>MGT 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>MHC 221</td>
<td>Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>PHL 316</td>
<td>Food and Justice</td>
<td>3</td>
</tr>
<tr>
<td>PHL 320</td>
<td>Business, Society, and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHL 330</td>
<td>Social and Political Phil</td>
<td>3</td>
</tr>
<tr>
<td>THE 373</td>
<td>Economic Ethics</td>
<td>3</td>
</tr>
<tr>
<td>POL 150</td>
<td>First-Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Multicultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 377</td>
<td>Inside-Out Expl Crime&amp;Justice</td>
<td>3</td>
</tr>
<tr>
<td>SPA 360</td>
<td>Spanish in the Community</td>
<td>4</td>
</tr>
<tr>
<td>THE 150</td>
<td>First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>THE 366</td>
<td>Christian Medical Ethics</td>
<td>3</td>
</tr>
<tr>
<td>THE 368</td>
<td>Just Hlth Care in Dev Nations</td>
<td>3</td>
</tr>
<tr>
<td>THE 372</td>
<td>Technology Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>
GENDER STUDIES

Department Overview

Gender Studies is an interdisciplinary field drawing from scholarship in the humanities, social sciences, natural sciences, and business. The Gender Studies program provides students with an intellectually challenging and engaging way of examining the world through the lens of "gender." Gender Studies courses explore how social structural categories such as gender, race, class, and sexuality influence human behavior and social interactions, structure access to opportunities and impact the lived experiences of women and men. Gender Studies courses apply current feminist/gender theories to issues in literature, art, history, philosophy, political science, psychology, religious studies, science, sociology, and business.

Gender as a social construction acts as the organizing principle for all Gender Studies courses. In addition, implicit in all Gender Studies courses is a basic tenet of feminist scholarship—that all academic work should connect to social justice work outside of the academy. The Gender Studies program encourages its minors to pursue this connection through internships, independent studies, and service-learning experiences that connect academic inquiry to social justice advocacy and action in community agencies and organizations.

Director

- R. Kennedy Bergen

Committee on Gender Studies

- Baglione
- Berenato
- Burkhalter
- Burr
- Edwards-Alexander
- Green
- Joyce
- Logue
- Mollnelli
- Parker
- Patton
- Riley
- Scola
- Smith
- Smolen
- Weitzel

Undergraduate Minor

- Gender Studies (p. 267)

GEN 200 Feminist Theories (3 credits)
This course provides a survey of feminist frameworks for thinking about sex, gender and oppression. The course begins with a consideration of whether the distinction between gender and sex is tenable, what it means to say that a category is socially constructed and how socially constructed categories can be oppressive. Given women's diversity, the latter part of the course considers critiques of attempts to provide a single systematic feminist framework. This will lead us to rethink the project of feminist theory and consider its possible new directions.

Attributes: Diversity Course (New GEP), Gender Studies Course, Undergraduate

GEN 201 Seminar In Feminist Studies (3 credits)

GEN 470 Independent Study (3 credits)
An independent study course, typically undertaken in the Senior year, in which the student develops and presents a research project in her or his major field of study which incorporates gender perspectives and feminist theories. Prerequisites: GEN 201, the approval of an independent study director in the student’s major, and the approval of the Director of Gender Studies.

Gender Studies Minor

Requirements for the Gender Studies Minor

Students seeking a minor are required to select six courses from the program’s listings with no more than three from the same academic discipline. GEN 201 Seminar in Feminist Theories must be one of the six courses. Students are encouraged, but not required, to take GEN 470 Selected Topics in Gender Studies. Students may select courses from the following list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>Intro to Art History I</td>
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</tr>
<tr>
<td>ART 102</td>
<td>Art History Survey II</td>
<td>3</td>
</tr>
<tr>
<td>COM 473</td>
<td>Special Topics/ Com&amp;Digi Media</td>
<td>3</td>
</tr>
<tr>
<td>ART 266</td>
<td>Women in Modern Theatre</td>
<td>3</td>
</tr>
<tr>
<td>EDU 369</td>
<td>Perspectives of Women in Edu</td>
<td>3</td>
</tr>
<tr>
<td>ENG 205</td>
<td>Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ENG 208</td>
<td>Special Topics in Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 329</td>
<td>Black Women’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 404</td>
<td>Eng,Irish,Anglophone Authors</td>
<td>3</td>
</tr>
<tr>
<td>ENG 405</td>
<td>Henry VIII: Writing &amp; Tyranny</td>
<td>3</td>
</tr>
<tr>
<td>ENG 416</td>
<td>Rebellious Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>ENG 444</td>
<td>Writing through RaceClassGender</td>
<td>3</td>
</tr>
<tr>
<td>ENG 445</td>
<td>Gender &amp; Narrative</td>
<td>3</td>
</tr>
<tr>
<td>ENG 481</td>
<td>Literary Forms &amp; Styles</td>
<td>3</td>
</tr>
<tr>
<td>FRE 422</td>
<td>Fr Wom Writ of Mid Ages &amp; Ren</td>
<td>3</td>
</tr>
<tr>
<td>FRE 470</td>
<td>Topics in French</td>
<td>3</td>
</tr>
<tr>
<td>HIS 351</td>
<td>Gndr, Ideology &amp; Rev in E. Asia</td>
<td>3</td>
</tr>
<tr>
<td>HIS 385</td>
<td>His of Women in Am Since 1820</td>
<td>3</td>
</tr>
<tr>
<td>HIS 389</td>
<td>Gender/Sexuality Mod Euro &amp; US</td>
<td>3</td>
</tr>
<tr>
<td>ITA 455</td>
<td>Women’s Voices</td>
<td>3</td>
</tr>
<tr>
<td>MHC 150</td>
<td>Gender Issues in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>MHC 221</td>
<td>Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>PHL 395</td>
<td>Junior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
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<tr>
<td>PHL 446</td>
<td>Feminist Epistemology</td>
<td>3</td>
</tr>
<tr>
<td>POL 150</td>
<td>First-Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>POL 270</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POL 323</td>
<td>Women and American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 368</td>
<td>Women, Gender &amp; World Politics</td>
<td>3</td>
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<tr>
<td>PSY 121</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 123</td>
<td>Psychology of Men and Women</td>
<td>3</td>
</tr>
<tr>
<td>PSY 124</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 150</td>
<td>Gender Matters</td>
<td>3</td>
</tr>
<tr>
<td>PSY 152</td>
<td>Psy of Violence &amp; Aggression</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Multicultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 233</td>
<td>Adulthood and Aging</td>
<td>3</td>
</tr>
<tr>
<td>PSY 235</td>
<td>Psychology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>PSY 494</td>
<td>Research Sem:Soc Sci, Psych II</td>
<td>3</td>
</tr>
<tr>
<td>REL 342</td>
<td>Women in Muslim Tradition</td>
<td>3</td>
</tr>
<tr>
<td>REL 370</td>
<td>Spec Topics in Relig Studies</td>
<td>3</td>
</tr>
<tr>
<td>REL 382</td>
<td>Women &amp; Religion in Anc Wrld</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 202</td>
<td>Adv Stud of Soc Prob FS &amp; SL</td>
<td>3</td>
</tr>
<tr>
<td>SOC 208</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC 209</td>
<td>Sociology of IntimateRelations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 232</td>
<td>Sociology of Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>SOC 254</td>
<td>Violence and Victims</td>
<td>3</td>
</tr>
<tr>
<td>SOC 322</td>
<td>Cult &amp; Politics of Motherhood</td>
<td>3</td>
</tr>
<tr>
<td>SOC 323</td>
<td>Health and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC 351</td>
<td>Gender and the Law</td>
<td>3</td>
</tr>
<tr>
<td>SOC 356</td>
<td>Gender, Crime &amp; CJ</td>
<td>3</td>
</tr>
<tr>
<td>SOC 386</td>
<td>Violence in Intimate Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 470</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>SPA 443</td>
<td>Gender, Sexlity &amp; Soc Conflict</td>
<td>3</td>
</tr>
<tr>
<td>SPA 455</td>
<td>Women in Spanish Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPA 456</td>
<td>Women's Voices in 20th Cen Fic</td>
<td>3</td>
</tr>
<tr>
<td>THE 335</td>
<td>Gendr &amp; Christian Spirituality</td>
<td>3</td>
</tr>
<tr>
<td>THE 350</td>
<td>The Beauty of God</td>
<td>3</td>
</tr>
<tr>
<td>THE 357</td>
<td>Feminist Theologies</td>
<td>3</td>
</tr>
<tr>
<td>THE 364</td>
<td>Pursuit of Love: Sexual Ethics</td>
<td>3</td>
</tr>
<tr>
<td>THE 365</td>
<td>Marriage Same Sex Union Divorc</td>
<td>3</td>
</tr>
<tr>
<td>THE 370</td>
<td>Special Topics in Theology</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Course may also satisfy a GEP requirement.
GENERAL STUDIES

Program Overview
The Bachelor of Liberal Studies Degree in General Studies grants the flexibility, industry-focus and knowledge required to be competitive in today's dynamic job market. Concentrations include humanities, social sciences, professional studies, and autism studies. The scope of these concentrations provides each student the opportunity to gain marketable skills and applicable concepts specific to their interests.

Please note: Students admitted prior to Summer 2016 entered under the curriculum requirements for the BS in Professional and Liberal Studies. Please see the SJU Academic Catalog for your admit year for additional information.

General Studies Concentrations
- General Studies (Autism Studies Concentration) (p. 270)
- General Studies (Humanities Concentration) (p. 272)
- General Studies (On-campus Professional Studies Concentration) (p. 269)
- Professional and Liberal Studies (Online Professional Studies Concentration) (p. 269)
- General Studies (Social Science Concentration) (p. 270)

B.L.S. in General Studies (On-campus Professional Studies Concentration)

Concentration Overview
Professional Studies is an interdisciplinary concentration in the General Studies major that builds effective communication skills and develops organizational development skills for the workplace. The Professional Studies concentration may be completed either on campus or online. Professional Studies concentration requires 24 credit hours and complements the P.L.S. General Education Program. Professional Studies is ideal for students who want to maximize credits completed at other accredited universities or colleges and apply them toward a bachelor's degree. Professional Studies concentration students apply their sharpened communication and interpersonal skills in the business or work place and set their goals for higher purposes after graduation.

Learning Goals and Objectives for the General Studies Program (Professional Studies Concentrations)
Goal 1: Knowledge of learning theories, group dynamics, and organization development.

Objective 1.1: Student will describe the effects on organizations when various learning theories, group dynamics, and organizational models are introduced into any professional setting.

Goal 2: Strong effective communication in professional settings.

Objective 2.1: Students will demonstrate mastery in APA writing for grammar, mechanics, style, and referencing.

Objective 2.2: Students will support claims with research evidence and effectively proofread writing for clarity and organization.

Objective 2.3: Students will demonstrate professional skills in oral language, voice, and body expression for presentations and public speaking.

Goal 3: Application of theories to work-related environments.

Objective 3.1: Students will become aware of the impact of individual identities (family background, roles, gender, race, ethnicity, religion, and sexual orientation) on organizations.

Objective 3.2: Students will describe various leadership styles and explain one's reasons for choosing one style over another in group settings.

General Education Program Courses
(See Curricula [https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep])

GEP Integrative Learning Component
Any two courses in the social sciences, math, education, humanities, or natural science.

Professional Studies Concentration (on-campus)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
<td>3</td>
</tr>
<tr>
<td>ENG 206</td>
<td>Public Speaking &amp; Presentation</td>
<td>3</td>
</tr>
<tr>
<td>ODL 300</td>
<td>Organizational Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Five major electives offered in Health Administration, Organizational Development & Leadership or Professional Writing.

B.L.S. in General Studies (Online Professional Studies Concentration)

Professional Studies is an interdisciplinary concentration in the General Studies major that builds effective communication skills and develops organizational development skills for the workplace. The Professional Studies concentration may be completed either on campus or online. The Professional Studies concentration requires 24 credit hours and complements the P.L.S. General Education Program. Professional Studies is ideal for students who want to maximize credits completed at other accredited universities or colleges and apply them towards a bachelor's degree. Professional Studies concentration students apply their sharpened communication and interpersonal skills in the business or work place and set their goals for higher purposes after graduation.

Learning Goals and Objectives for the General Studies Program (Professional Studies Concentrations)
Goal 1: Knowledge of learning theories, group dynamics, and organization development.

Objective 1.1: Student will describe the effects on organizations when various learning theories, group dynamics, and organizational models are introduced into any professional setting.

Goal 2: Strong effective communication in professional settings.

Objective 1.1: Student will describe the effects on organizations when various learning theories, group dynamics, and organizational models are introduced into any professional setting.
Objective 2.1: Students will demonstrate mastery in APA writing for grammar, mechanics, style, and referencing.

Objective 2.2: Students will support claims with research evidence and effectively proofread writing for clarity and organization.

Objective 2.3: Students will demonstrate professional skills in oral language, voice, and body expression for presentations and public speaking.

Goal 3: Application of theories to work-related environments.

Objective 3.1: Students will become aware of the impact of individual identities (family background, roles, gender, race, ethnicity, religion, and sexual orientation) on organizations.

Objective 3.2: Students will describe various leadership styles and explain one’s reasons for choosing one style over another in group settings.

General Education Program Courses
(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

GEP Integrative Learning Component
Two courses in Psychology, Sociology, Political Science or Economics.

Professional Studies Concentration
(online)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODL 200</td>
<td>Career &amp; Personal Development</td>
<td>3</td>
</tr>
<tr>
<td>ODL 300</td>
<td>Organizational Development</td>
<td>3</td>
</tr>
<tr>
<td>ODL 320</td>
<td>Leadership &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>ODL 330</td>
<td>Issues in Organizational Developement</td>
<td>3</td>
</tr>
<tr>
<td>ODL 340</td>
<td>Coaching &amp; Consulting</td>
<td>3</td>
</tr>
<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two introductory level Social Science courses

Two approved major electives offered in Health Administration, Organizational Development & Leadership (other than the courses listed above), Management, Professional Writing, Leadership & Organizational Sustainability, or Managing Human Capital.

B.L.S. in General Studies (Social Science Concentration)

Concentration in Social Science
Matthew J. Anderson, Ph.D., Associate Dean, Social Sciences

Learning Goals and Objectives for the General Studies Program (Social Science Concentrations)

Goal 1. Students will develop content knowledge of the social sciences.

Objective 1.1: Students will demonstrate knowledge of the key theories, concepts, and issues within the social sciences.

Goal 2. Students will develop effective written, oral, and technological communication skills.

Objective 2.1: Students will demonstrate effective written communication that is consistent with the format and standards of social science disciplines.

Objective 2.2: Students will demonstrate effective and professional oral communication skills.

Objective 2.3: Students will demonstrate effective communication using appropriate technology.

Goal 3. Students will develop an understanding of the methods of inquiry and critical thinking that typify the social sciences.

Objective 3.1: Students will demonstrate the ability to locate appropriate sources by searching electronic and print databases.

Objective 3.2: Students will demonstrate the ability to analyze empirical data and draw reasonable conclusions from them.

Goal 4. Students will develop an understanding of how social science disciplines apply the Ignatian principles of social justice, ethics, and service to others within our diverse society.

Objective 4.1: Students will demonstrate an understanding of ethical and socially responsible behaviors as they relate to social science disciplines.

Objective 4.2: Students will demonstrate an understanding of diverse human beliefs, abilities, experiences, identities, or cultures.

General Education Program Courses
(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

GEP Integrative Learning Component
Any two courses in humanities, math, education, or natural science.

Social Science Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 312</td>
<td>Social Research Methods I</td>
<td></td>
</tr>
<tr>
<td>PSY 210</td>
<td>Research Methods</td>
<td></td>
</tr>
<tr>
<td>HAD 115</td>
<td>Research Methods in HAD</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

Economics
Education
Political Science
Psychology
Sociology

General Studies (Autism Studies Concentration)

Concentration in Autism Studies
Michelle Rowe, PhD, Chair, Health Services
Eileen Sullivan, Pharm.D., Program Director
Learning Goals and Objectives for the General Studies Program (Autism Studies Concentration)

Objective 1.1: Demonstrate knowledge of the current theories on the causes of autism spectrum disorders.

Objective 1.2: Demonstrate knowledge of the frequency, characteristics, symptoms, and diagnostic criteria of individuals with autism spectrum disorders.

Objective 1.3: Demonstrate knowledge of the nature of stereotypes, stigma, and discrimination of individuals with autism spectrum disorders.

Objective 2.1: Identify the behavioral needs of children and adults with autism spectrum disorders and demonstrate the current behavioral approaches to treating behavioral issues of individuals with autism using Applied Behavior Analysis and medically related therapeutic services.

Objective 2.2: Demonstrate the ability to communicate orally and in writing in the language of the discipline and particularly on the principles of Applied Behavior Analysis.

Objective 3.1: Demonstrate the roles and responsibilities of behavior analysts, therapists, allied health professionals and related staff, and demonstrate understanding of ethics guidelines in working with individuals with autism.

Objective 3.2: Graduates will act as responsible citizens, embracing personal and career objectives that honor and serve individuals with autism and their families.

Objective 4.1: Identify the impact on parents, siblings, families, and friends of individuals with autism spectrum disorders and demonstrate how to best help these individuals cope with associated stress.

Objective 4.2: Identify the impact of political issues, including funding and approval of services, around autism spectrum disorders.

Objective 5.1: Collect data on the progress of individuals with autism and develop behavioral plans; or collect data for the purpose of conducting research on a particular topic in the field of autism.

Objective 5.2: Identify and demonstrate methods to empirically assess and evaluate the progress of individuals with autism spectrum disorders for the purpose of developing intervention plans.

General Education Program Courses
(See Curricula [https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep])

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

GEP Integrative Learning Component

Two approved courses offered in psychology or education

Autism Studies Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHS 465</td>
<td>Intro:Autism Spectrum Disorder</td>
<td>3</td>
</tr>
<tr>
<td>IHS 466</td>
<td>ABA and Autism Treatment</td>
<td>3</td>
</tr>
<tr>
<td>IHS 467</td>
<td>Social Skills Dev. and Autism</td>
<td>3</td>
</tr>
<tr>
<td>IHS 473</td>
<td>Advanced Principles of ABA</td>
<td>4</td>
</tr>
<tr>
<td>IHS 474</td>
<td>Functional Analysis and Ethics</td>
<td>4</td>
</tr>
<tr>
<td>IHS 480</td>
<td>ABA Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>IHS 481</td>
<td>ABA Practicum II</td>
<td>3</td>
</tr>
<tr>
<td>IHS 482</td>
<td>ABA Practicum III</td>
<td>3</td>
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</tbody>
</table>

If pursuing the Board Certified Assistant Behavioral Analyst (BCaBA) credential, the Behavioral Analyst Certification Board (BACB) requires a grade of “C” or better in the behavioral analysis and practicum courses (IHS 466 – IHS 482). Courses must be completed in the sequence outlined above.

Experience Requirement for the Board Certified Assistant Behavioral Analyst (BCaBA) Credential

Students who plan to pursue the BCaBA credential must complete an experience requirement under the supervision of a Behavioral Analyst Certification Board (BACB) approved supervisor. For additional information on options for completing this experience requirement, please see the BACB website at www.bacb.com.

The SJU adult learner program offers an intensive practicum to meet the BACB experience requirement. This includes three (3) practicum courses (IHS 480, IHS 481 and IHS 482) which require 19+ hours per week on site, supervised by a BACB approved supervisor. As an alternative, students may opt to complete the experience requirement through independent supervised fieldwork.

If a student opts to not complete the intensive practicum courses at SJU, substitute courses may be completed for the degree requirements. IHS 480 may be replaced with an approved alternate upper division social science course. IHS 481 and IHS 482 may be replaced with free electives.
General Studies (Humanities Concentration)

Concentration in Humanities

Shawn M Krahmer, Ph.D., Associate Dean for Humanities

Learning Goals and Objectives for the General Studies Program (Humanities Concentration)

Goal 1. Students will develop content knowledge of the disciplines of the humanities.

Objective 1.1: Students will demonstrate knowledge of key theories, concepts, and/or issues within the study of History, Languages, Literature, Philosophy, Religious Studies, Theology, and/or the Arts.

Goal 2. Students will develop an understanding of the methods of inquiry and critical thinking that typify the study of the humanities.

Objective 2.1: Students will closely read, accurately analyze, and evaluate primary texts and/or works of art.

Objective 2.2: Students will discuss how the texts/art works studied contribute to larger historical conversations, debates, and cultural traditions.

Objective 2.3: Students will analyze texts or works of art as resources for understanding and appreciating the complexities of human identity, dignity, and experience.

General Education Program Courses

(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

GEP Integrative Learning Component

Any two courses in social science, math, education, or natural science.

Humanities Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Select two introductory level Humanities courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Select six upper division selections in the humanities from three disciplines including:</td>
<td></td>
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<tr>
<td></td>
<td>Art</td>
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<tr>
<td></td>
<td>Music</td>
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<td></td>
<td>Theater and Film</td>
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<td></td>
<td>English</td>
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<td></td>
<td>Modern &amp; Classical Languages</td>
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<tr>
<td></td>
<td>Linguistics</td>
<td></td>
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<tr>
<td></td>
<td>Philosophy &amp; Theology/Religious Studies</td>
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</tbody>
</table>
Bioethics represents a complex intellectual phenomenon. Although an analysis of some of the important topics in bioethics. Students will familiarize themselves with the ethical questions surrounding major topics in contemporary bioethics. The course will focus on one or more of the following topics: medical research with human subjects, the new genetic medicine, social justice and the development of techniques for human reproduction.

HCE 500 Topics in Bioethics (3 credits)

This course will introduce the student to the basic theological concepts, frameworks, and analyses that have been used by both Catholic and Protestant theologians in their discussions of bioethics. After reviewing the various relationship between religion and medicine and the role that the theological reflection can play in bioethics, several topics will be discussed and analyzed in depth. Topics such as assisted reproduction technologies, abortion, genetic control, care of severely handicapped neonates, death and dying, and the meaning and application of “quality of life” to contemporary issues will be discussed in both lecture and seminar formats.

Restrictions: Enrollment is limited to Graduate level students.

HCE 552 Theological Issues Bioethics (3 credits)

The course will study from a philosophical perspective the various ethical theories that have influenced the development of bioethics. The course will use a historical method and concentrate, among others, on the ethical theories of virtue, teleology and deontology in their historical contexts. These theories will then be placed in the context of the development of contemporary bioethics in the United States and Europe.

Restrictions: Enrollment is limited to Graduate level students.

HCE 553 Phil Eth Theories in Bioethics (3 credits)

This course will examine how social justice is addressed in bioethics. Attention will be paid to the relationship between micro-ethics and macro-ethics. Different theories of justice will be presented along with specific moral problems facing contemporary health care. These may include globalization, recourse allocation, rationing, access to health care, preventative medicine and public health (e.g., which may include how we responsibly attend to epidemics, outbreaks, and/or bioterrorist attacks), compensation for organs or participation in research protocols (e.g., egg donation for SCNT and stem cell technology), and managed care and the role of evidence-based medicine. In addition, the course may include a section on how decisions are made from a social perspective on research agendas (i.e. why do we/should we pursue high-tech, high-priced medicine versus allocating those funds to do other initiatives).

Restrictions: Enrollment is limited to Graduate level students.

HCE 570 Clinical Bioethics & Rel Trad (3 credits)

This course will introduce the student to the basic theological concepts, frameworks, and analyses that have been used by both Catholic and Protestant theologians in their discussions of bioethics. After reviewing the various relationship between religion and medicine and the role that the theological reflection can play in bioethics, several topics will be discussed and analyzed in depth. Topics such as assisted reproduction technologies, abortion, genetic control, care of severely handicapped neonates, death and dying, and the meaning and application of “quality of life” to contemporary issues will be discussed in both lecture and seminar formats.

Restrictions: Enrollment is limited to Graduate level students.

HCE 571 Healthcare Disparities (3 credits)

This course will define the major health care disparities that exist in our society (gender, race, ethnicity, income, education, disability, geographical location and sexual orientation), how to measure disparities, the impact on individual and societal health, how to resolve disparities through cross cultural respect, current issues and future directions.

Restrictions: Enrollment is limited to Graduate level students.

HCE 572 Social Justice and Bioethics (3 credits)

The course is an analysis of some of the important topics in bioethics. Students will familiarize themselves with the ethical questions surrounding major topics in contemporary bioethics. The course will focus on one or more of the following topics: medical research with human subjects, the new genetic medicine, social justice and the delivery of healthcare, organ transplantation, death and dying, and the development of techniques for human reproduction.

Restrictions: Enrollment is limited to Graduate level students.

HCE 573 Death & Dying:Decision Making (3 credits)

This course surveys ethical issues and norms that pertain to healthcare for patients who are near the end of life. Various topics will be covered such as: extraordinary/ordinary means, medical futility, pain management, hospice, palliative care, living wills/advance directives, Do Not Resuscitate orders, Durable Powers of Attorney for Health Care and current topics in end-of-life decision making.

Restrictions: Enrollment is limited to Graduate level students.
HCE 574 Spirituality and Healthcare (3 credits)
HCE 600 Fieldwork Clinical Bioethics (3 credits)
Individuals will arrange specific types of clinical bioethical field work in an approved health care environment. Students need the permission of the program Director before registering. This course is designed to meet individual professional goals and may only be taken once during a student’s completion of this degree program.
Restrictions: Enrollment is limited to Graduate level students.
HCE 601 Issues in Neonatology (3 credits)
HCE 700 Integrative Capstone Bioethics (3 credits)

Health Care Ethics M.S.

This program is under admissions moratorium and was discontinued in 2016. Students enrolled in this program should contact the following for program advising and degree completion planning.

Louis D. Horvath, MA
Graduate Director Campus and Online Programs
Department of Health Services
100 Post Hall
610-660-2907
lhorvath@sju.edu

Health Care Ethics Minor

Program Overview

The Interdisciplinary Minor in Health Care Ethics seeks to encourage learning and thinking from an interdisciplinary perspective and to foster a critical analysis of bioethical topics through the interplay between moral theory and medical practice. More and more people are beginning to realize the inherent importance of ethics in the clinical setting. Health care professionals are confronted with numerous complex ethical dilemmas that they may not be well prepared to handle. Therefore, it is imperative that they or those preparing to work in the field of health care be trained to understand the principles of ethics and how they can be utilized in clinical decision-making.

The Minor program is open to all majors in the university. Students have the option to pursue either the Basic Track or the Global Track. Both tracks are designed to expose students to the complex and growing field of biomedical ethics.

The Basic Track comprises one required course (THE 366: Christian Medical Ethics), Five electives and an exit interview. The Global Track is more rigorous. It requires the student to either take the Just Health Care in Developing Nations course (THE 368), that requires a study abroad for 2 weeks, or design a research project as part of an Independent Study that has been approved by a faculty member associated with the Minor program and the Institute of Clinical Bioethics. The idea is to encourage the student to explore many complex ethical dilemmas on the global scale, especially as they pertain to underdeveloped countries. Among the many issues to be considered are: the devastating impact of HIV/AIDS on Sub Sahara Africa, the ethics of human research in the developing world and the moral responsibility of developed countries to the health care needs of developing countries.

In addition to the course work, minors are encouraged to attend the events sponsored by the Institute of Clinical Bioethics especially the annual McCormick lecture.

Learning Goals and Objectives

The Minor Program in Health Care Ethics offers several learning goals and objectives for its students:

Goal 1.0: Students will gain an appreciation of philosophical and theological ethics both within the curriculum and through extracurricular activities.

Objective 1.1: Students will demonstrate the ability to discuss and argue positions on a wide range of ethical issues related to health care.

Goal 2.0: Students will gain insight into the clinical side of health care as well as the pharmaceutical industry, the health care insurance industry, health care administration and education and medical research.

Objective 2.1: Students will apply ethical theories and principles to the resolution of “real life” ethical dilemmas.

Goal 3.0: Students will possess the skills to analyze topics in health care from an ethical perspective.

Objective 3.1: Students will articulate ethical positions from the perspective of varied disciplines (Theology, Philosophy, Law, Business, Sociology, Public Health etc.).

Objective 3.2: Students will craft an ethical analysis of a designated bioethics topic and propose policy solutions or program development initiative. In addition, students will:

- Develop a basic understanding of moral philosophy and theology.
- Understand the basic ethical principles – beneficence, non-maleficence, autonomy and justice.
- Learn how to apply risk vs. benefit analysis to concrete ethical situations.
- Develop basic proficiency in the analysis of case studies in bioethics.
- Understand the distinction and interrelationship between ethics and law.
- Appreciate how advances in technology pose complex ethical questions for society.
- Identify a wide range of ethical challenges facing the medical, pharmaceutical and insurance industries.
- Understand the importance of bioethics for those who aspire to be health professionals.
- Attend and participate in events sponsored by the Institute of Catholic Bioethics, such as lectures, panels, service experiences, etc.
- Integrate ethical principles in the analysis of a topic in bioethics.

Basic and Global Tracks

Students seeking the Interdisciplinary Health Care Ethics Minor are required to complete six (6) courses from at least 3 departments; no more than 3 courses from any one department may count for credit toward the minor. The prerequisite course is PHL 154: Moral Foundations.

Basic Track

Six (6) Minor courses are required for this track. Students are expected to complete:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>THE 366</td>
<td>Christian Medical Ethics</td>
<td>3</td>
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<tr>
<td>Select five electives courses (listed below)</td>
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An exit interview

**Global Track**

Six (6) Minor courses are required for this track. Students are expected to complete:

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>THE 366</td>
<td>Christian Medical Ethics</td>
<td>3</td>
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</table>

Select five elective courses (listed below) including either of the following:

- THE 368 Just Hlth Care in Dev Nations (Study Abroad for 2 weeks)

Design a research project as part of an Independent Study course approved by a faculty member associated with the Minor program or with the Institute of Clinical Bioethics.

**Curriculum**

**Elective Courses for both tracks**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECN 390</td>
<td>The Economics of Healthcare</td>
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<tr>
<td>ENG 450</td>
<td>Hospital Stories (Narratives of Illness, Medicine and Hope)</td>
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<tr>
<td>IHS 110</td>
<td>Psyc Aspects Illness &amp; Disab</td>
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<tr>
<td>IHS 211</td>
<td>HlthCareSystem/ Responsibility</td>
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<tr>
<td>IHS 253</td>
<td>Nutrition:Health &amp; Disease</td>
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<td>IHS 251</td>
<td>Healthcare Law and Ethics</td>
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<td>IHS 256</td>
<td>HIV/AIDS</td>
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<td>IHS 285</td>
<td>Med Terminology &amp; Health Comm</td>
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<tr>
<td>IHS 343</td>
<td>HelpHealing:EthicsCommPersonal</td>
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<tr>
<td>IHS 345</td>
<td>DyingWell:The Hospice Movement</td>
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<tr>
<td>PHL 250</td>
<td>Philosophy of Death</td>
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<tr>
<td>PHL 264</td>
<td>Topics in Moral Psychology</td>
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<tr>
<td>PHL 286</td>
<td>Philosophy of Mental Illness</td>
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<tr>
<td>PMK 190</td>
<td>Healthcare Delivery Alternative (Ethics Intesive course)</td>
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<tr>
<td>SOC/IHS 216</td>
<td>Alcohol, Drugs &amp; Society</td>
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<tr>
<td>SOC/IHS 217</td>
<td>Mental Health &amp; Society</td>
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<tr>
<td>SOC/IHS 323</td>
<td>Health and Society</td>
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<tr>
<td>THE 261</td>
<td>Christian Social Ethics</td>
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<tr>
<td>THE 349</td>
<td>Theology of Disability</td>
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<tr>
<td>THE 361</td>
<td>Catholic Social Teaching</td>
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<tr>
<td>THE 366</td>
<td>Christian Medical Ethics</td>
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<tr>
<td>THE 368</td>
<td>Just Hlth Care in Dev Nations</td>
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HEALTH SERVICES

Department Overview
Health care is one of the most rapidly growing career fields in the United States. Aging baby boomers, new medical technology and interest in maintaining healthy lifestyles created demand for committed and compassionate professionals with a strong understanding of the bio psychosocial aspects of health and wellness. The B.S. in Interdisciplinary Health Services (IHS) prepares students for health care positions in hospitals, public health departments, human service agencies, clinical research and the healthcare industry. The majority of IHS graduates proceed to clinical or graduate school to study allied health fields, such as nursing, physical therapy, occupational therapy, speech therapy, physician assistants, pharmacy, or public health. Of the graduates who seek employment immediately after graduation, 61% work in health/ medicine/biotechnology, 17% in human and community service, 11% in insurance and 11% in education or government. Careers include health administrators, managed care analysts, health educators, program coordinators, patient representatives, and patient care technicians.

The IHS program offers comprehensive education in the natural sciences, public health, health care systems, and social sciences. Students are introduced to a broad array of medical issues such as heart disease, diabetes, stroke, addictions, injuries, violence, autism, and adverse childhood experiences. Courses address the socio-cultural influences of health, health behaviors, health care systems, legal and ethical concerns, nutrition, mental health, integrative medicine, epidemiology and health promotion. The IHS major provides flexibility so that students may tailor coursework based upon interests and career goals. The health services faculty represent many years of experience in health care and are able to guide students in developing their own unique career paths. Students are encouraged to complete prerequisites needed for graduate programs, study abroad or minor in biology, chemistry, psychology, sociology or business. Consistent with our Jesuit mission of cura personalis and social justice, the department encourages majors to learn inside and outside of the classroom. Volunteering with local service agencies interning in a local hospital, or participating in summer scholars, allows students to experience different healthcare careers and to build professional portfolios. The Department models interdisciplinary, collaborative approaches, encouraging students learn to partner with patients, family members, community organizations and colleagues in other disciplines to face the challenges of emerging and re-emerging diseases.

Graduate Arts and Sciences
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Mission Statement
Consistent with our Jesuit roots and Ignatian goals of education, the graduate programs in Health Services are built on a liberal arts foundation with an emphasis on ethics, social justice, and professional competency. By enhancing skills in verbal communication, writing, critical thinking, quantitative analysis, globalization, and diversity, health services graduate programs prepare graduates to confront current and emerging issues in healthcare.

Department Programs
The Department of Health Services offers Master’s degree programs designed to meet the interests, needs, and personal and professional growth of health and medical professionals. Programs in Health Administration, Health Education, a joint program in Health Administration and Health Education are offered. Concentrations in Informatics and Organizational Development and Leadership are designed to provide rigorous and comprehensive study for those seeking to enhance professional credentials. Core philosophies are professional competence, creative problem solving, respect for all persons, social justice in health care and medicine, and collaborative approaches to health promotion and disease prevention.

Admission Requirements and Procedure
The Health Services graduate programs are designed to provide advanced training for people who have two or more years of work experience in the health professions. Application forms are available online at http://www.sju.edu/academics/cas/grad/index.html.

Applicants should submit to the Office of Graduate Admissions the following:

- a completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate and any graduate coursework. Saint Joseph’s University graduates do not have to obtain their transcripts. The program will access your transcripts.
- a current résumé
- two letters of recommendation appraising the candidate’s promise and capacity for graduate study, reflecting, from a professional’s point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level. Often one of these comes from a former faculty member and one from a current employer, but two employer references or two academic references are acceptable.
- a two-to-three page (500 to 750 words) personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant’s rationale for program choice and professional study.
- $35 application fee – waived if attended an Open House or if a SJU graduate.

The Graduate Committee looks for both a strong academic record and serious interest in the health professions. The personal statement should articulate reasons for selecting this particular program and discuss the applicant’s personal goals and strengths. A personal interview may be required if additional or further information is needed.

Course Load
In order to meet the needs of working adults, courses are offered in a variety of formats, including the traditional one evening per week format; a five-day, weekend format, or on-line and hybrid formats. A full-time course load is three courses (9 credits) per term for fall and spring semesters and two courses (6 credits) for the summer term. Students who are working full-time should take no more than two courses (6
credits) in the fall and spring terms, and one course (3 credits) for each summer term.

The Director of Graduate Health Services Programs must approve any exceptions to this policy. Students requesting full time status should submit a letter in writing to the Director stating that they are working less than 20 hours per week during the semester(s) in which full-time status is sought.

Professor: M. Michelle Rowe, Ph.D.; Sally Kuykendall, Ph.D.
Assistant: Anne Fetherston, Ph.D., BCBA-D; Eileen L. Sullivan, Pharm.D.; Reecha Sharma, M.D.

Chair: Rowe

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• Interdisciplinary Health Services (p. 285)

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• Master of Science in Health Education (p. 282)
• Master of Science in Health Administration and Health Education Joint Degree (p. 286)

Adult Undergraduate B.L.S.
• Health Administration (p. 280)

Adult Undergraduate Certificates
• Post-Baccalaureate Pre-Health Services (p. 287)

Health Administration
HAD 101 Intro to Health Administration (3 credits)
An introduction to health care services focusing on current components, practices, issues, and trends in the health delivery system. Emphasis is placed on the social, political, economic, legal, and technological forces that affect health care.
Attributes: Undergraduate

HAD 110 Prin Publ Hlth & Epidem (3 credits)
A survey of environmental, communicable, chronic, and genetic health problems and the public health and epidemiological responses to them. Basic epidemiological concepts, strategies, research, methodologies, and statistical tools will be introduced.
Attributes: Undergraduate

HAD 115 Research Methods in HAD (3 credits)
Health Services Research explores the history of health research, basic principles and types of research in order that health administrators will be able to critically evaluate research in healthcare. This course is a combination of lecture, discussion and experiential learning designed to instill a critical understanding of the research process for application to professional practice.

HAD 120 Fin Mgt Hlth Care Organization (3 credits)
An advanced application of the current issues and techniques affecting financial management in the health care system. Topics include cost accounting, cost benefit analysis, accountability in for-profit/non-profit institutions, prospective and third party payments, management information systems for operational and fiscal control, and cost containment.
Prerequisite: HAD 101.

Attributes: Undergraduate

HAD 200 Health Care Law & Ethics (3 credits)
An overview of the legal and ethical issues central to the health care delivery system and their impact on individual institutions and professionals. The relationships among biomedical and research technology, societal changes, court rulings, and governmental legislation within the context of the health care system will be examined.

Prerequisite: HAD 101.

Restrictions: HAD 2605 or HAD 100 or HAD 101

Attributes: Undergraduate

HAD 210 Plan & Mktg Health Care Org (3 credits)
An introduction to general strategic planning and marketing for health care systems with particular emphasis on the evolution from a provider-controlled environment to a consumer market. Review of key factors such as rising costs, increasing competition, legislation/regulation, technological advancements, and increased consumer sophistication.

Attributes: Undergraduate

HAD 210 Practicum (3 credits)
Field practicum. Students must have permission before enrolling.

Attributes: Undergraduate

HAD 220 Health Policy (3 credits)
An overview of how health care policy is enacted in the U.S. Analysis of how the expansion of government programs and regulations since 1965 have influenced health care delivery. Emphasis will be placed on current policy questions and important health care policy debates.

Prerequisites: HAD 2605 or (HAD 100 or HAD 101)

Restrictions: Enrollment is limited to PLS/HDC level students.

Attributes: Undergraduate

HAD 220 Practicum (3 credits)
Field practicum. Students must have permission before enrolling.

Attributes: Undergraduate

HAD 300 Practicum in Health Adm (3 credits)
An advanced application of the current issues and techniques affecting financial management in the health care system. Topics include cost accounting, cost benefit analysis, accountability in for-profit/non-profit institutions, prospective and third party payments, management information systems for operational and fiscal control, and cost containment.

Prerequisites: HAD 101, 110, 120, 200, 210, and 220.

Restrictions: Enrollment is limited to PLS/HDC level students.

Attributes: Undergraduate
HAD 346 Admin Health Care Organization (3 credits)

HAD 551 Managed Health Care (3 credits)

HAD 552 Health Administration (3 credits)
An introduction to the principles of administration within health and human services organizations and the basic concepts of leadership and organizational theories relevant to effective administration of healthcare institutions. Organizations are viewed as open systems requiring constant interactions with the environment. Considerable emphasis is placed on quality improvement and organizational change.

Restrictions: Enrollment is limited to Graduate level students.

HAD 553 Health Care Organization (3 credits)
An overview of the organization, structure, and financing of the healthcare delivery system in the United States. The various elements comprising the system will be presented, along with an exploration of the basic concepts and measures of health, disease, needs, quality, and utilization. Issues in healthcare resourcing, institutions, and system organization will be examined.

Restrictions: Enrollment is limited to Graduate level students.

HAD 554 Health Care Law (3 credits)
An examination of the major legal issues encountered in the health care field by administrators and practitioners. Among the topics to be included are principles of liability, legal aspects of medical ethics, and legislative and regulatory factors in health care delivery.

Restrictions: Enrollment is limited to Graduate level students.

HAD 555 Acc for Health Care Organiztns (3 credits)
An introduction to basic accounting techniques used in the healthcare industry. Prerequisites: three core courses — HAD 552, HAD 553, HAD 600, HSV 550, or HSV 551.

Prerequisites: HAD 552 and HAD 553 and HAD 600 and HSV 550 and HSV 551

Restrictions: Enrollment is limited to Graduate level students.

HAD 556 Fin Manag of Health Care Org. (3 credits)
An introduction to the basic theories and practices of financial management as they relate to healthcare organizations. Course includes budgeting principles. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.

Prerequisites: HSV 500 and HAD 600 and HAD 553 and HAD 552 and HAD 555

Restrictions: Enrollment is limited to Graduate level students.

HAD 557 Health Care Strat Plan & Mktg (3 credits)
An introductory course that examines the foundations, principles, and basic applications of this field. Internal and external forces that shape marketing policies and planning are explored. Topics include the development of marketing strategies and programs, as well as marketing mix variables and general healthcare planning. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.

Restrictions: Enrollment is limited to Graduate level students.

HAD 558 Hospital Administration (3 credits)
In depth study of hospital operations with emphasis on not-for-profit/nonprofit settings; focus on departmental operations, role of administration, the board, and medical staff. Includes legal and reform trends affecting hospitals, financial mechanisms, budgeting, labor relations and corporate restructuring. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.

Restrictions: Enrollment is limited to Graduate level students.

HAD 559 Health Policy (3 credits)
The formulation and analysis of health policy at federal, state, local, and corporate levels. This course presents an overview of the legislative, regulatory, and political processes and their effect on the health care system. This course will provide a conceptual and analytic framework for bioethical policy analysis regarding policy formulation, adoption, implementation, operation, evaluation, and termination. Pragmatic application of policy analysis tools is included.

Restrictions: Enrollment is limited to Graduate level students.

HAD 560 Health Care Informatics (3 credits)
A survey of the current use of information technology in the clinical and management practice for the healthcare delivery enterprise. Students will become familiar with the basic terminology, strategies, and utilization of IT as a key component in the delivery of patient care. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.

Restrictions: Enrollment is limited to Graduate level students.

HAD 561 Health Care and the Internet (3 credits)
Examination of the specific roles that internet technology plays in healthcare. Observations and trends that play a significant role in improving the quality of healthcare delivery will be discussed. Various components such as intranets, extranets, knowledge management and web design concepts will be explored.

Restrictions: Enrollment is limited to Graduate level students.

HAD 562 Hlth Info Mgt Sys Data & Infra (3 credits)
Analysis and case study of IT networks, internets, data interchange, data access, and data management. Prerequisite: for Healthcare Informatics students only and HAD 560 is preferred.

HAD 563 Hlth Info Mgt Syst Appl (3 credits)
Case study of the foundation and incorporation of the critical IT applications in the modern healthcare delivery enterprise. Specific applications will be explored with an emphasis placed on the practice of Managed Care. Note: This course is available for Healthcare Informatics students only. It is preferred that students have taken both HAD 560 and HAD 562 before taking this course.

HAD 564 Computer-Based Patient Record (3 credits)
An in-depth analysis of the Institute of Medicine's (IOM) standards, requirements, attributes, and benefits of the CPR and its use in the healthcare delivery enterprise. The use of data warehouses, data repositories, and integration technology will be explored relevant to CPR development along with the various issues and strategies for implementation.

HAD 565 Decision Support & Data Analy (3 credits)
HAD 566 Hlth Info Syst Res Mngt (3 credits)

HAD 567 Leadership, Strat & Plan HIMSS (3 credits)

HAD 570 Psy ch Aspects Chmc Ill & Disb (3 credits)
A survey of psychological, social, and behavioral theories and principles as they relate to the experiences of chronic illness and disability. The course will emphasize the impact of these experiences on the patient in terms of motivation and life satisfaction, restructuring social support systems, and changes in psychosocial/developmental needs. Attention will be given to the changing role of the health professional as direct care provider, manager, consultant, and advocate. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.

Restrictions: Enrollment is limited to Graduate level students.
HAD 600 Ethics of Health Care (3 credits)
A critical examination of the central ethical issues in the healthcare field. Issues to be treated include euthanasia, life-prolonging medical technologies, abortion, screening for genetic defects, experimentation and informed consent, distribution of scarce medical resources, the right to healthcare, and its implications for the healthcare delivery system. Necessary background in moral philosophy will be provided.
Restrictions: Enrollment is limited to Graduate level students.

HAD 601 Fieldwork in Health Admin (3 credits)
Students who have a GPA of 3.5 or higher may pursue experiential learning through fieldwork or internship in an approved healthcare facility or nonprofit organization. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, HSV 551 plus one administrative course (either HSV 554, HAD 555, HAD 556 or HAD 560).
Restrictions: Enrollment is limited to Graduate level students.

HAD 602 Directed Resrch in Health Serv (3 credits)
The Health Services Department provides opportunities for selected students to conduct independent research under the supervision of department faculty. Students desiring to participate in Directed Research must identify and meet with a faculty mentor, submit a formal research proposal with proposed timeline for completion, and obtain approval for the project from the faculty mentor, program director, department chair and associate dean. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, HSV 551 plus one administrative course (either HSV 554, HAD 555, HAD 556 or HAD 560).
Restrictions: Enrollment is limited to Graduate level students.

HED 551 Map Hlth Res, Pln, Pol Dev&Mkt (3 credits)
Based on the ARCVIEW Geographic Information Systems (GIS), this course is a practical introduction to the use of computer mapping and spatial analysis. The course uses the most current GIS technology to understand the environment and how it impacts public health. There is a large computer lab component to the course.
Restrictions: Enrollment is limited to Graduate level students.

HED 552 Epidemiology and Com Health (3 credits)
An introductory course exploring the basic concepts of epidemiology as a public health science, including rates and ratios, risk and association, causation and investigation of outbreak.
Restrictions: Enrollment is limited to Graduate level students.

HED 553 Program Planning for Wellness (3 credits)
A foundation course in the development of health education programs for hospitals, work sites, community, and schools. Discusses models for health behavior, assessment of health education needs, design and implementation of interventions, program marketing, and evaluation of efficacy.
Restrictions: Enrollment is limited to Graduate level students.

HED 554 Curric Strat for Hlth Educatrs (3 credits)
Techniques combining the cognitive, affective, and psychomotor domains in individual and group learning are discussed. Leading models for curriculum development and implementation are emphasized. Mechanics for construction of goals, curriculum design, objective writing, and learning behaviors are stressed. Models for evaluation and needs analysis are examined. The role of the trainer in the organization is also explored, along with strategies for maximizing one’s position in the organization. Ethical, legal, and moral questions arising in the health education arena are examined. Prerequisite: HED 553
Restrictions: Enrollment is limited to Graduate level students.

HED 560 Bio-Psycho Char:Aging American (3 credits)
Areas of study include theories of aging, bio-psychosocial/spiritual characteristics of older people, family systems and non-systems, resources, policy, legislation, and activism.
Restrictions: Enrollment is limited to Graduate level students.

HED 561 Human Sexuality (3 credits)
Content provides sexual awareness and personal growth in the area of interpersonal sexuality. Through participation in a variety of class activities, students increase comfort level in communicating about sexual attitudes, feelings, and behaviors. Sexually transmitted infections, reproductive inefficiencies, and cultural issues are discussed.
Restrictions: Enrollment is limited to Graduate level students.

HED 562 Hlth Care of Childrn in Commun (3 credits)
An overview course designed to provide the knowledge and skills necessary to help organize, develop, manage, and evaluate employee assistance programs. Emphasis is placed on the positive role of health promotion as a preventive tool. Course explores the role of addictions, family, financial, and legal issues in the life of the impaired employee or student and codependent.
Restrictions: Enrollment is limited to Graduate level students.

HED 563 Behvrl Hlth of Childrn & Youth (3 credits)
Basic concepts of mental health and illness. A range of theories and psychotherapies, and psychological aspects of health, illness, and addiction are studied.
Restrictions: Enrollment is limited to Graduate level students.

HED 564 Women and Health Care (3 credits)
Inquiry into the health needs of women and their treatment by the health care system. Study includes history, role of women as healers, epidemiology, access to and utilization of health care services, health research, and legislation affecting women’s health issues.
Restrictions: Enrollment is limited to Graduate level students.

HED 567 Concepts of Nutrition & Health (3 credits)
A comprehensive examination of the principles of good nutrition during the life cycle. Emphasis is placed on practical applications, including the use of food composition theory to evaluate food intakes, regional, cultural, and religious influences on food habits, fads, preventive health promotion, and health restoration through health education.
Restrictions: Enrollment is limited to Graduate level students.
HED 575 Stress and Crisis Management (3 credits)
Study of health problems related to stress and exploration of methods to reduce the impact of stressors to improve bio-psychosocial health. Demonstrates how to identify, isolate, and manage a crisis and how to foresee future crises, as well as how to develop contingency plans. Physiology of stress, relaxation, biofeedback, fear control, and cognitive reacting are skills studied in relation to stress management.
Restrictions: Enrollment is limited to Graduate level students.

HED 576 Addictions (3 credits)
The study of the nature, causes, and intervention of substance abuse. Historical and sociocultural trends are evaluated in view of current addiction theories. Emphasis is placed upon the relation of addiction to family and work environments, as well as the development of alternate lifestyles.
Restrictions: Enrollment is limited to Graduate level students.

HED 577 Health Education in HIV/AIDS (3 credits)
The retrovirus of AIDS, the people, and the society it infects are the center upon which this course is based. Current public health policy, ethics, and politics of AIDS are examined. Emphasis is placed on skill-building in health education, counseling, and referrals for persons with AIDS, their families, and those individuals who test positive. The school and corporate sectors are explored, as well as high risk groups and global AIDS.
Restrictions: Enrollment is limited to Graduate level students.

HED 578 Experiential Counseling (3 credits)
Theories and applications of counseling. Conceptual emphasis on the "here and now" phenomenologic theory. Psychodrama is stressed. Ethics, risk reduction, and the biopsychosocial/spiritual impactors on both the counselor and the client are integral.
Restrictions: Enrollment is limited to Graduate level students.

HED 579 Principles of Administration (3 credits)
This course will provide an introduction to behavioral health issues related to children and adolescents. Problems, risk factors, diagnosis and treatment will be considered in the context of developmental theory.
Restrictions: Enrollment is limited to Graduate level students.

HED 580 Leadership Principles (3 credits)
An introductory course to acquaint the learner with needs and roles in supervisory activity. Management styles, functions, and analyses, as well as behavioral theory, are evaluated. Planning and decision-making, dealing with the change process, motivation, coaching and counseling techniques, performance appraisal, and control are examined.

HED 581 Physical Assessment: Nurse Anesthesia (3 credits)

HED 600 Dir Research in Hlth Ed (3 credits)
An opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.

HED 601 Fieldwork in Health Education (3 credits)
Individually arranged fieldwork in approved health education environment. Students need permission of the program director before registering. The program is designed to meet individual professional goals and may only be taken once during a student’s completions of this degree program. All five core courses must be taken prior to enrolling in this course.

HED 650 School Nurse Practicum (3 credits)
HED 651 School Nurse Practicum (3 credits)
HED 770 Special Topics in Hlth Educatn (3 credits)
The learning objectives of this course will be geared toward a specific topic of current interest in the field of health education. The specific topics and perquisites will be announced in the course schedule.
Restrictions: Enrollment is limited to Graduate level students.

Health Services
HSV 550 Health Services Research (3 credits)
Explores the history of health research, basic principles and types of research in order that health professionals will be able to critically evaluate research in their respective fields. This course is a combination of lecture, discussion and experiential learning designed to instill a critical understanding of the research process for application to clinical practice.
Restrictions: Enrollment is limited to Graduate level students.

HSV 551 Managed Health Care (3 credits)
This course is an introduction to managed care including current and evolving models, terminology, and differences among insurers and payer types. The course will focus on the use of financial incentives to restrain healthcare costs and the role of utilization review, peer review, provider.
Restrictions: Enrollment is limited to Graduate level students.

HSV 700 Integ Capstne Crs in Hlth Serv (3 credits)
An integrative capstone course in which the student is expected to integrate and synthesize prior course work and to demonstrate competence in health services through the analysis of complex cases in health services delivery and management and the development of a case of his/her own based on experience and observation. Integrative Capstone should be the final course in the curriculum. Prerequisites: HAD 552, HAD 553, HAD 555, HAD 556, HAD 560, HAD 600, HSV 550, HSV 551, and HSV 554
Prerequisites: HAD 552 and HAD 553 and HAD 555 and HAD 556 and HAD 560 and HAD 600 and HSV 550 and HSV 551
Restrictions: Enrollment is limited to Graduate level students.

Health Administration
Michelle Rowe, Ph.D., Chair, Department of Health Services
Eileen Sullivan, Pharm.D., Program Director

Program Overview
Health care is a complex, multi-faceted industry. Administrators play a key role in identifying needs, managing resources and maintaining vital communities. The Bachelor of Liberal Studies in health administration empowers students with the professional knowledge and skills needed to lead and enact best practices in healthcare organizations and communities.

Courses cover various areas of health administration, such as health administration, finance, marketing, healthcare law and ethics, health policy and health information management. Industry-focused coursework equips students for positions as health administrators in hospitals, clinics, and non-profit organizations. The major builds on foundational coursework in biology, history, philosophy and economics, equipping graduates to be well-informed leaders. The program culminates in a professional capstone seminar.

Learning Goals and Objectives for the Health Administration Program
Goal 1: Graduates will be able to understand and apply the principles of effective management to healthcare systems.

Objective 1.1: Graduates will be able to explain current healthcare systems and effective healthcare systems management.

Objective 1.2: Graduates will commit to the stability, health and well-being of a healthcare organization.

Objective 1.3: Graduates will be able to train, delegate, coordinate, evaluate, and negotiate with others to promote health and well-being of a population.

Objective 1.4: Graduates will be able to work with, inspire and motivate others to promote population health.

Goal 2: Graduates will demonstrate effective oral and written communication skills.

Objective 2.1: Graduates will be able to develop and present reports and proposals using the medical, technical, and business language of the healthcare field.

Objective 2.2: Graduates will convey confidence, competence, maturity and professionalism in interactions with others.

Goal 3: Graduates will critically evaluate health information in order to identify and apply best practices in health administration.

Objective 3.1: Graduates will be able to read, understand, and critically analyze health data.

Objective 3.2: Graduates will be able to understand, critically evaluate and apply current research in health administration to professional practice.

Goal 4: Graduates will understand and follow ethical codes of conduct of the health professions.

Objective 4.1: Graduates will follow and promote honest and ethical business conduct.

Objective 4.2: Graduates will demonstrate the maturity to make decisions and to take responsibility for those decisions.

Students admitted prior to Summer 2016 entered under the curriculum requirements for the BS in Health Administration. Please see the SJU Academic Catalog for your admit year for additional information.

General Education Program Courses
(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>BIO 161</td>
<td>Human Organism</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
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GEP Integrative Learning Component
Two courses

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSY 120</td>
<td>Lifespan Development</td>
<td>3</td>
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or PSY 231 Developmental Psychology

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIO 161</td>
<td>Human Organism</td>
<td>3-4</td>
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<tr>
<td>or BIO 260</td>
<td>Anatomy/Physio I Nurs/Al Hlth</td>
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Major Concentration

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 110</td>
<td>Essent'l's of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>HAD 101</td>
<td>Intro to Health Administration</td>
<td>3</td>
</tr>
<tr>
<td>HAD 110</td>
<td>Prin Publ Hlth &amp; Epiderm</td>
<td>3</td>
</tr>
<tr>
<td>HAD 115</td>
<td>Research Methods in HAD</td>
<td>3</td>
</tr>
<tr>
<td>HAD 120</td>
<td>Fin Mgt Hlth Care Organization</td>
<td>3</td>
</tr>
<tr>
<td>HAD 200</td>
<td>Health Care Law &amp; Ethics</td>
<td>3</td>
</tr>
<tr>
<td>HAD 210</td>
<td>Plan &amp; Mktg Health Care Org</td>
<td>3</td>
</tr>
<tr>
<td>HAD 220</td>
<td>Health Policy</td>
<td>3</td>
</tr>
<tr>
<td>HAD 301</td>
<td>Health Info Mgmt Systems</td>
<td>3</td>
</tr>
<tr>
<td>HAD 310</td>
<td>Seminar in Hlth Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

Health Administration M.S.

Louis D. Horvath, MA
Graduate Director Campus and Online Programs
Department of Health Services
100 Post Hall
610-660-2907
lhorvath@sju.edu

Program Description
The M.S. in Health Administration curriculum is designed to enhance knowledge, technical skills and professional competencies for those seeking advancement or entry into management of health care organizations. Program goals and objectives reflect the professional competencies defined by the American College of Healthcare Executives. The M.S. Health Administration offers concentrations in Health Informatics, and Organizational Development and Leadership.

Goals and Objectives

Goal 1: Graduates of the HAD MS Program will understand and apply the principles of public policy, effective governance, management and leadership to healthcare systems.

Objective 1.1: Graduates will demonstrate an understanding of healthcare systems and effective healthcare systems management, including the history, structuring, marketing, and positioning.

Objective 1.2: Graduates will adhere to sound financial principles of health organizations; will utilize data analysis to support decision-making; and will commit to the stability, health and well-being of an organization.

Objective 1.3: Graduates will be able to manage human resources in diverse environments such as hospitals, long term care institutions, behavioral health organizations, home care agencies, clinics, insurance companies, government agencies, and pharmaceutical companies.

Objective 1.4: Graduates will be able to demonstrate conflict and change management in diverse communities by applying principles of the social and behavioral sciences.
Goal 2: Graduates of the HAD MS Program will demonstrate effective oral and written communication skills (application).

Objective 2.1: Graduates will be able to develop and present reports and proposals using the medical, technical, and business language of the healthcare field.

Objective 2.2: Graduates will convey confidence, poise, presence, maturity and empathy in professional interactions with others.

Goal 3: Graduates of the HAD MS Program will critically evaluate health information in order to identify and apply best practices in health services administration.

Objective 3.1: Graduates will demonstrate the ability to manage information including the collection of data, qualitative and quantitative analysis, evaluation of the validity of data, and to summarize the information for effective decision making.

Objective 3.2: Graduates will understand, critically evaluate and apply current research in health services administration to professional practice.

Objective 3.3: Graduates will employ quality assessment of business practices and health care delivery focusing on outcomes measurement, processes, outcomes, and methods for process improvement.

Goal 4: Graduates of the HAD MS Program will understand the legal principles applicable to the US Health Care Delivery System, follow ethical codes of conduct of the health professions, and model Jesuit values serving those in need.

Objective 4.1: Graduates will operationalize legal principles in health management, follow honest and ethical business conduct, and adhere to the best practices of the health professions.

Objective 4.2: Graduates will demonstrate the maturity to make decisions and to take responsibility for those decisions.

Objective 4.3: Graduates will act as global citizens, holding personal and career objectives that honor and serve communities and people in need.

General Health Administration Curricular Requirements

12 courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAD 552</td>
<td>Health Administration</td>
<td>3</td>
</tr>
<tr>
<td>HAD 553</td>
<td>Health Care Organization</td>
<td>3</td>
</tr>
<tr>
<td>HAD 600</td>
<td>Ethics of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSV 550</td>
<td>Health Services Research</td>
<td>3</td>
</tr>
<tr>
<td>HSV 551</td>
<td>Managed Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HAD 554</td>
<td>Health Care Law</td>
<td>3</td>
</tr>
<tr>
<td>HAD 555</td>
<td>Acc for Health Care Organiztns</td>
<td>3</td>
</tr>
<tr>
<td>HAD 556</td>
<td>Fin Manag of Health Care Org.</td>
<td>3</td>
</tr>
<tr>
<td>HAD 560</td>
<td>Health Care Informatics</td>
<td>3</td>
</tr>
<tr>
<td>HSV 700</td>
<td>Integ Capstne Crs in Hlth Serv</td>
<td>3</td>
</tr>
<tr>
<td>HAD 557</td>
<td>Health Care Strat Plan &amp; Mktg</td>
<td>3</td>
</tr>
</tbody>
</table>

Health Informatics Concentration

The Informatics Concentration trains health care professionals in the strategic use of information technology (IT) so they may lead planning, design, integration, implementation, and evaluation of clinical, financial and administrative information systems in various healthcare organizations. The Informatics concentration consists of 14 courses (42 credits): the required courses from the HAD curriculum (10 courses) plus Health Informatics courses (4 courses).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HAD 561</td>
<td>Health Care and the Internet</td>
<td>3</td>
</tr>
<tr>
<td>HAD 562</td>
<td>Hlth Info Mgt Sys &amp; Infra</td>
<td>3</td>
</tr>
<tr>
<td>HAD 563</td>
<td>Hlth Info Mgt Syst Appl</td>
<td>3</td>
</tr>
<tr>
<td>HAD 564</td>
<td>Computer-Based Patient Record</td>
<td>3</td>
</tr>
</tbody>
</table>

Organization Development and Leadership Concentration

The concentration in Organization Development and Leadership (ODL) is designed to enhance skills in managing and developing healthy organizational culture. The Organization Development and Leadership Concentration requires completion of 14 courses (42 credits): the required courses from the HAD curriculum (10 courses) plus ODL courses (4 courses).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ODL 650</td>
<td>Organizational Leadership</td>
<td>3</td>
</tr>
<tr>
<td>ODL 655</td>
<td>Org Change &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>ODL 665</td>
<td>Leading Teams</td>
<td>3</td>
</tr>
<tr>
<td>ODL 700</td>
<td>Org Dev Theory &amp; App</td>
<td>3</td>
</tr>
</tbody>
</table>

Health Education M.S.

Michelle Rowe, Ph. D., Professor and Chair
Department of Health Services
110 Post Hall
610-660-1576
mrowe@sju.edu

Louis D. Horvath, MA  Graduate Director Campus and Online Programs
Department of Health Services
Health Education Mission

The mission of the Health Education program is to contribute to the health of all people through advances in theory and research, excellence in practice, and the promotion of public policies conducive to health. The program focuses on the professional code of ethics, standards for professional competence, research, and practice; on-going professional development; and public outreach. Core competencies match the public health model of health promotion, performing a needs assessment, planning, implementing, and evaluating an effective program, acting as a resource in health education, health communications, application of research principles, and advancing the profession in practice. The curriculum reflects the responsibilities and competencies of Certified Health Education Specialists (National Commission for Health Education Credentialing, Inc., 2010).

Learning Goals and Objectives

**Goal 1:** Graduates of the Masters of Science degree in Health Education Program will be able to coordinate effective health education programs.

**Objective 1.1:** Graduates will be able to perform a needs assessment, plan, design, implement and evaluate health education programs specific to community needs.

**Objective 1.2:** Graduates will apply health theories to health education practice and research.

**Goal 2:** Graduates of the Masters of Science degree in Health Education Program will demonstrate information literacy in the field of Health Education.

**Objective 2.1:** Graduates will be able to analyze, critically evaluate, and draw conclusions from regional, national and global health data.

**Objective 2.2:** Graduates will be able to critically evaluate and apply current research in health education practice.

**Goal 3:** Graduates of the Masters of Science degree in Health Education Program will be able to will communicate effectively using the language of the health education profession.

**Objective 3.1:** Graduates will be able to write grants and reports using the language of health education.

**Objective 3.2:** Graduates will convey a professional image of confidence, competence and maturity in verbal and written assignments in order to engage audiences and encourage evidence-based interventions and practices.

**Goal 4:** Graduates of the Masters of Science degree in Health Education Program will be able to apply the principles of effective management to healthcare systems.

**Objective 4.1:** Graduates will commit to the stability, health and well-being of a healthcare organization.

**Objective 4.2:** Graduates will be able to train, delegate, coordinate, evaluate, and negotiate with others to promote health and well-being of a population.

**Goal 5:** Graduates of the Masters of Science degree in Health Education Program will have knowledge of and follow ethical codes of conduct.

**Objective 5.1:** Graduates will follow and promote ethical conduct reflecting Jesuit values, specifically the values of honesty, respect for persons, and justice.

**Objective 5.2:** Graduates will demonstrate the maturity to make decisions and to take professional responsibility for those decisions.

**Objective 5.3:** Graduates will act as global citizens, holding personal and career objectives that honor and serve the beneficence of people in need.

The M.S. in Health Education requires completion of twelve courses (36 credits hours): core Health Education courses (6 and electives in health studies or other related area (6 courses)). Core courses should be completed early in the program. Electives are selected based on personal and professional goals.

**Core Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 551</td>
<td>Map Hlth Res, Pln, Pol Dev&amp;Mkt</td>
<td>3</td>
</tr>
<tr>
<td>HED 552</td>
<td>Epidemiology and Com Health</td>
<td>3</td>
</tr>
<tr>
<td>HED 553</td>
<td>Program Planning for Wellness</td>
<td>3</td>
</tr>
<tr>
<td>HED 554</td>
<td>Curric Strat for Hlth Educatrs</td>
<td>3</td>
</tr>
<tr>
<td>HSV 550</td>
<td>Health Services Research</td>
<td>3</td>
</tr>
<tr>
<td>HSV 700</td>
<td>Integ Capstne Crs in Hlth Serv</td>
<td>3</td>
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</table>

**Health Studies Electives**

Select six of the following: 18

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>HED 560</td>
<td>Bio-Psycho Char:Aging American</td>
</tr>
<tr>
<td>HED 561</td>
<td>Human Sexuality</td>
</tr>
<tr>
<td>HED 571</td>
<td>Employee Asst &amp; Occup Health</td>
</tr>
<tr>
<td>HED 572</td>
<td>Concepts of Mental Health</td>
</tr>
<tr>
<td>HED 573</td>
<td>Women and Health Care</td>
</tr>
<tr>
<td>HED 574</td>
<td>Concepts of Nutrition &amp; Health</td>
</tr>
<tr>
<td>HED 575</td>
<td>Stress and Crisis Management</td>
</tr>
<tr>
<td>HED 576</td>
<td>Addictions</td>
</tr>
<tr>
<td>HED 577</td>
<td>Health Education in HIV/AIDS</td>
</tr>
<tr>
<td>HED 578</td>
<td>Experiential Counseling</td>
</tr>
<tr>
<td>HED 579</td>
<td>Principles of Administration</td>
</tr>
<tr>
<td>HED 580</td>
<td>Leadership Principles</td>
</tr>
<tr>
<td>HED 600</td>
<td>Dir Research in Hlth Ed</td>
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<tr>
<td>HED 601</td>
<td>Fieldwork in Health Education</td>
</tr>
<tr>
<td>HED 770</td>
<td>Special Topics in Hlth Educatn</td>
</tr>
<tr>
<td>HAD 553</td>
<td>Health Care Organization</td>
</tr>
<tr>
<td>HAD 570</td>
<td>Psyc Aspects Chrnc Ill &amp; Disb</td>
</tr>
</tbody>
</table>

Up to two electives may be selected from HAD/EDU/ ODL/SOC with prior approval by the Program Director.
Interdisciplinary Health Services Major

Interdisciplinary Health Services Program Mission

The undergraduate program in Interdisciplinary Health Services focuses on improving the quality of life for students and the people they serve by providing a rigorous and comprehensive education in health, health care, and health related issues. Core philosophies are professional competence, creative problem solving, respect for all persons, social justice in medicine, and a collaborative approach to disease prevention and health promotion.

Goals and Objectives

Goal 1: Graduates of the Interdisciplinary Health Services Program will know and understand the biological, psychological, and social determinants of health and well-being.

Objective 1.1: Graduates will demonstrate knowledge of how race, social class, gender, culture, geographic location, and disability influence physical and mental health.

Objective 1.2: Graduates will demonstrate knowledge of the primary health issues at each stage of life and how healthcare needs change across the lifespan.

Goal 2: Graduates of the Interdisciplinary Health Services Program will apply health theories to health practice and research.

Objective 2.1: Graduates will demonstrate knowledge of health promotion planning, needs assessment, program development, and evaluation by developing and implementing a health promotion project.

Objective 2.2: Graduates will be able to foster health behavioral change by applying systematic, measurable, and supportive (empathic) approaches.

Goal 3: Graduates of the Interdisciplinary Health Services Program will demonstrate literacy in the language of health professions.

Objective 3.1: Graduates of the Interdisciplinary Health Services Program will effectively use the terminology and language of the health professions.

Objective 3.2: Graduates will be able to analyze regional, national and global health data and to draw logical conclusions based on health data.

Objective 3.3: Graduates will be able to critically evaluate and apply current research in the health professions to health promotion and disease prevention practice.

Goal 4: Graduates of the Interdisciplinary Health Services Program will collaborate with others in order to promote health and well-being of people in need.

Objective 4.1: Graduates will demonstrate an understanding of healthcare systems and effective healthcare systems management.

Objective 4.2: Graduates will be able to educate, delegate, and coordinate with others to promote health and well-being of a population.

Goal 5: Graduates of the Interdisciplinary Health Services Program will follow ethical codes of conduct of the health professions.

Objective 5.1: Graduates will follow and promote ethical conduct reflecting Jesuit values, specifically the values of honesty, respect for persons, and justice.

Objective 5.2: Graduates will demonstrate the maturity to make decisions and to take professional responsibility for those decisions.

Objective 5.3: Graduates will act as global citizens, holding personal and career objectives that honor and serve the beneficence of people in need.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>CHM 125/125L</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>PHL 250</td>
<td>Philosophy of Death</td>
<td>3</td>
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</table>

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 120/120L</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>Biology</td>
<td>BIO 101/101L</td>
<td>Bio I: Cells</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MAT 118</td>
<td>Introduction to Statistics</td>
</tr>
</tbody>
</table>

GEP Electives

Eleven courses

Major Requirements

Major Concentration

Eleven courses including
### Interdisciplinary Health Services Minor

#### Goals and Objectives

**Goal 1:** Graduates of the Interdisciplinary Health Services Program will know and understand the biological, psychological, and social determinants of health and well-being.

**Objective 1.1:** Graduates will demonstrate knowledge of how race, social class, gender, culture, geographic location, and disability influence physical and mental health.

**Objective 1.2:** Graduates will demonstrate knowledge of the primary health issues at each stage of life and how healthcare needs change across the lifespan.

**Goal 2:** Graduates of the Interdisciplinary Health Services Program will apply health theories to health practice and research.
Objective 2.1: Graduates will demonstrate knowledge of health promotion planning, needs assessment, program development, and evaluation by developing and implementing a health promotion project.

Objective 2.2: Graduates will be able to foster health behavioral change by applying systematic, measurable, and supportive (empathic) approaches.

Goal 3: Graduates of the Interdisciplinary Health Services Program will demonstrate literary in the language of health professions.

Objective 3.1: Graduates of the Interdisciplinary Health Services Program will effectively use the terminology and language of the health professions.

Objective 3.2: Graduates will be able to analyze regional, national and global health data and to draw logical conclusions based on health data.

Objective 3.3: Graduates will be able to critically evaluate and apply current research in the health professions to health promotion and disease prevention practice.

Goal 4: Graduates of the Interdisciplinary Health Services Program will collaborate with others in order to promote health and well-being of people in need.

Objective 4.1: Graduates will demonstrate an understanding of healthcare systems and effective healthcare systems management.

Objective 4.2: Graduates will be able to educate, delegate, and coordinate with others to promote health and well-being of a population.

Goal 5: Graduates of the Interdisciplinary Health Services Program will follow ethical codes of conduct of the health professions.

Objective 5.1: Graduates will follow and promote ethical conduct reflecting Jesuit values, specifically the values of honesty, respect for persons, and justice.

Objective 5.2: Graduates will demonstrate the maturity to make decisions and to take professional responsibility for those decisions.

Objective 5.3: Graduates will act as global citizens, holding personal and career objectives that honor and serve the beneficence of people in need.

Students may minor in Interdisciplinary Health Services by taking four core courses and two IHS elective courses.

M.S. Health Administration and Health Education Joint Degree

The M.S. in Health Administration and Health Education is designed for health professionals who are interested in both health management and health promotion. The curriculum develops student expertise in health care management, community health program planning, healthcare law and ethics.

The M.S. in Health Administration and Health Education requires the completion of sixteen courses (48 credits): the core HAD-HED curriculum (10 courses) plus Health Administration electives (3 courses) and Health Education electives (3 courses).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHS 110</td>
<td>Psyc Aspcts Illness &amp; Disab</td>
<td>3</td>
</tr>
<tr>
<td>IHS 211</td>
<td>HlthCareSystem/ Responsibility</td>
<td>3</td>
</tr>
<tr>
<td>IHS 323</td>
<td>Health and Society</td>
<td>3</td>
</tr>
<tr>
<td>IHS 331</td>
<td>Statistics &amp; Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three of the following (9 hours):

- HAD 552 Health Administration
- HAD 553 Health Care Organization
- HAD 560 Health Care Informatics
- HAD 600 Ethics of Health Care
- HED 551 Map Hlth Res, Pn, Pol Dev&Mkt
- HED 553 Program Planning for Wellness
- HED 552 Epidemiology and Com Health
- HED 554 Curric Strat for Hlth Educatr
- HSV 550 Health Services Research
- HSV 700 Integ Capstne Crs in Hlth Serv

Health Administration Electives

Select three of the following (9 hours):

- HAD 557 Health Care Strat Plan & Mktg
- HAD 554 Health Care Law
- HAD 555 Acc for Health Care Organiztns
- HAD 556 Fin Manag of Health Care Org.

Health Education Electives

Select three of the following (9 hours):

- HED 571 Employee Asst & Occup Health
- HED 577 Health Education in HIV/AIDS
- HED 572 Concepts of Mental Health
- HAD 570 Psyc Aspects Chrnc Ill & Disb

Master of Science in Health Education without Certification

The U.S. Bureau of Labor and Statistics projects that ABA and healthcare will steadily increase over the next ten years and beyond. The Masters of Arts in Health Education with a concentration in Applied Behavior Analysis (ABA) is a 36-credit course sequence approved by the Behavior Analyst Certification Board (BCBA). This degree prepares highly educated and trained students for careers as Board Certified Behavior Analysts. Students completing this graduate degree will be uniquely positioned for a rewarding career in behavior analysis and the ability to work within the entire United States and other areas around the World. This coursework is specifically designed to expose students to the world of health care and behavior analysis simultaneously. Once complete, students work in a variety of setting in the field such as general and special education, mental health, behavioral health, geriatrics, disability, business, and institutions of higher learning.
Topics covered include: GIS Mapping and health patterns, Epidemiology, Program Planning for Wellness, Curriculum Strategies, Health Services Research, Capstone, Principles of Behavior, Applied Behavior Analysis as well as consulting, behavioral development, clinical behavior analysis and ethics in behavior analysis.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HED 551</td>
<td>Map Hlth Res, Pln, Pol Dev&amp;Mkt</td>
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<tr>
<td>HED 552</td>
<td>Epidemiology and Com Health</td>
<td>3</td>
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<tr>
<td>HED 553</td>
<td>Program Planning for Wellness</td>
<td>3</td>
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<tr>
<td>HED 554</td>
<td>Curric Strat for Hlth Educators</td>
<td>3</td>
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<tr>
<td>HSV 550</td>
<td>Health Services Research</td>
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<td>HSV 700</td>
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<td>ABA 622</td>
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<td>ABA 623</td>
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<td>ABA 624</td>
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<td>ABA 625</td>
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<td>ABA 626</td>
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<td>ABA 657</td>
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<tr>
<td>or CRJ 657</td>
<td>Ethics in Behavior Analysis</td>
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**Post-Baccalaureate Pre-Health Science Certificate**

*Jean M. Smolen, Ph.D., Associate Dean, Math, Natural Sciences, Computer Science*

The Post-Baccalaureate Pre-Health certificate program is designed for students who are pursuing admission to medical, dental, optometry, veterinary, or podiatry programs. The program focuses on the core courses required for admission to these schools and that are useful for taking the Medical College Admission Test (MCAT), Dental Admission Test (DAT), and the Optometry Admission Test (OAT). Note that additional pre-requisite courses may be required by certain professional schools.

Pre-Health Advising resources are available to all students as they prepare for application to professional programs. If a student completes a minimum of ten courses at SJU, they will be eligible to be considered for review by the SJU Health Professions Advisory Committee.

A 3.0 GPA is required for admission to the certificate program. This program is open only to those who already possess a non-science baccalaureate degree. Up to two courses may be transferred to SJU to be used towards the certificate requirements.

This certificate program is eligible for federal financial aid.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells</td>
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<tr>
<td>&amp; 101L</td>
<td>and Bio I: Cells Lab</td>
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<tr>
<td>BIO 102</td>
<td>Bio II: Genetics</td>
<td>4</td>
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<td>and Bio II: Genetics Lab</td>
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<tr>
<td>CHM 120</td>
<td>General Chemistry I</td>
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<td>&amp; 120L</td>
<td>and General Chemistry Lab I</td>
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<tr>
<td>CHM 210</td>
<td>Organic Chemistry I</td>
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<td>&amp; 210L</td>
<td>and Organic Chemistry Lab I</td>
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<td>CHM 215</td>
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<td>&amp; 215L</td>
<td>and Organic Chemistry Lab II</td>
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<tr>
<td>CHM 340</td>
<td>Biochemistry</td>
<td>4</td>
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<td>&amp; 340L</td>
<td>and Biochemistry Lab</td>
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<tr>
<td>PHY 101</td>
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<tr>
<td>&amp; 101L</td>
<td>and General Physics Laboratory I</td>
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<tr>
<td>PHY 102</td>
<td>General Physics II</td>
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<tr>
<td>&amp; 102L</td>
<td>and General Physics Laboratory II</td>
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**Elective**

Select one of the following:

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIO 201/201L</td>
<td>Bio II: Organismic Biology</td>
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<tr>
<td>BIO 270/270L</td>
<td>Microbio Nurse/Allied Health (pre-requisite: BIO 101)</td>
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<tr>
<td>BIO 416/416L</td>
<td>Microbiology (pre-requisites: BIO 101, BIO 102, and BIO 201)</td>
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<tr>
<td>MAT 118</td>
<td>Introduction to Statistics</td>
<td></td>
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<tr>
<td>MAT 128</td>
<td>Applied Statistics</td>
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</tr>
<tr>
<td>MAT 155</td>
<td>Fundamentals of Calculus</td>
<td></td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td></td>
</tr>
<tr>
<td>THE 366</td>
<td>Christian Medical Ethics</td>
<td></td>
</tr>
</tbody>
</table>

1 Students may take the Biochemistry course offered through the Biology Department (BIO 404) as an alternative if they have completed the required biology pre-requisites (BIO 101, BIO 102, and BIO 201) in addition to the chemistry pre-requisites.

2 Suggested Elective options. Other electives may be considered based on the student’s interests and professional goals.

Social science courses, calculus, and statistics are recommended if not completed as part of the student’s undergraduate program.
Department Overview
The History Department offers a signature course in the General Education Program (GEP) that is required of all undergraduates at the University. HIS 154, Forging the Modern World, provides students with the opportunity to use the tools of historical inquiry to gain insight on the key events, ideas, individuals and groups that have shaped the world in which we live. The Department’s advanced courses continue to emphasize the investigation of the ideas and institutions—religious, political, social, and economic—through which people have endeavored to order their world. Advanced courses, with their more precise focus on place, time, and method, allow students to gain a deeper understanding of the field and its practices. The Department also offers internships and independent research opportunities to enhance students’ preparation for the future.

Professor: James Carter, Ph.D.; Katherine A. S. Sibley, Ph.D.; Randall M. Miller, Ph.D.
Associate: Alison Williams Lewin, Ph.D.; Melissa Chakars, Ph.D.
Assistant: Amber Abbas, Ph.D.; Brian James Yates, Ph.D.; Christopher W. Close, Ph.D.; Jeffrey Hyson, Ph.D.
Visiting: Leslie Rogne Schumacher, Ph.D., FRSA

Chair: Carter

Undergraduate Major
• History (p. 295)

Undergraduate Minor
• History (p. 297)

HIS 100 Forging the Modern World (3 credits)
HIS 101 Western Civ 1 (3 credits)
HIS 102 Western Civ 2 (3 credits)
HIS 150 First Year Seminar (3 credits)
HIS 154 Forging the Modern World (3 credits)
Students will analyze primary and secondary sources to understand the predominant structures and relationships that have transformed our world from the early modern era to the twentieth century. Topics will include the development of political and economic ideas and systems (e.g., democracy, liberalism, conservatism, nationalism, fascism, colonialism, capitalism, socialism), changing conceptions of culture and identity (e.g., race, gender, ethnicity, art), and the conflicts and opportunities born of this transformation (e.g., anti-colonial movements, social revolutions, world wars, international organizations, globalization, religious and cultural conflicts). Readings and discussions will emphasize understanding how modern systems of political, economic and social meaning and exchange, including Western dominance, emerged.
Attributes: Signature Course (New GEP), Undergraduate

HIS 156 Topics in Global History (3 credits)
HIS 196 AP World History Credit (3 credits)
HIS 200 Historical Methods (3 credits)
HIS 201 American History to 1877 (3 credits)
A survey dealing with the origin and development of American institutions and traditions, with emphasis on the political, economic, and social history of the period after 1763. These courses may be taken in any order.
Attributes: Undergraduate

HIS 202 American Hist. 1865 to Present (3 credits)
A survey dealing with the origin and development of American institutions and traditions, with emphasis on the political, economic, and social history of the period after 1763. These courses may be taken in any order.
Attributes: International Relations Course, Undergraduate

HIS 203 Historical Intro to Latin Am (3 credits)
This course will provide students with a deeper understanding of the processes that led migrants from Latin America and the Caribbean to the United States, and their experiences after arrival. The course focuses on three interdisciplinary topics: community formation; the variety of individual and group experiences; and current policy questions for the hemisphere. This course has been designated as an ethics intensive and diversity course under the GEP. Latin American Studies.
Prerequisites: HIS 154
Attributes: Diversity Course (New GEP), Ethics Intensive (New GEP), Faith Justice Course, International Relations Course, Latin American Studies Course, Undergraduate

HIS 204 Latin American-U.S. Migration (3 credits)
This course will provide students with a deeper understanding of the Islamic world from the seventh century to the present, including: the expansion and consolidation of Islamic states; relations with Western powers; the rise and fall of empires; and social, cultural, and intellectual developments.
Attributes: Africana Studies Course, International Relations Course, Undergraduate

HIS 205 His Intro to the Islamic World (3 credits)
The course will provide students with a deeper understanding of the Islamic world from the seventh century to the present, including: the expansion and consolidation of Islamic states; relations with Western powers; the rise and fall of empires; and social, cultural, and intellectual developments.
Attributes: Africana Studies Course, International Relations Course, Undergraduate

HIS 206 Historical Intro to East Asia (3 credits)
HIS 207 Historical Intro to South Asia (3 credits)

HIS 208 Historical Intro to Asian Civ (3 credits)
This course will introduce students to the culture, politics, geography, art, and religious traditions of the major countries of East and South Asia. It will also give a historical overview from earliest times to the present. The course will focus primarily on the Indian subcontinent, China and Japan, with some attention also to Korea and Southeast Asia. Throughout the course students will also learn how questions of history and culture shape identities and animate public life in contemporary Asia.
Attributes: International Relations Course, Undergraduate

HIS 209 AP European History Credit (3 credits)
Students who receive a 4 or 5 on the AP European History exam, or the IB equivalent, will receive credit for this course.
Attributes: International Relations Course
HIS 210 Historical Intro to Mod. Africa (3 credits)
This course will examine the social, political, and economic history of Africa from pre-colonial times to the twentieth century. It will emphasize themes such as the early formation of states and empires, the impact of the Trans-Atlantic slave trade, the European colonization of the continent, and the struggles and successes of modern African nation states. The course is designed to provide the students with a background for understanding the most important forces that have shaped Africa and continue to affect the lives of people throughout the continent. This course has been designated as a non-western studies course under the GEP.
Attributes: Africana Studies Course, Diversity Course (New GEP), International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 211 Historical Intro Pre-Mod. Africa (3 credits)

HIS 239 Ireland 1798-1998 (3 credits)

HIS 296 AP World History Credit (3 credits)

HIS 301 United States and Latin Am (3 credits)
An exploration of the complex relationship between the United States and the Latin American nations in the nineteenth and twentieth centuries. Latin American Studies.
Attributes: International Relations Course, Undergraduate

HIS 302 Colonial Mexico (3 credits)
This Course examines social and cultural relations and conflicts in the Spanish colony that later became Mexico and the southwestern United States. Emphasis is placed on the seventeenth and eighteenth century. Latin American Studies.
Attributes: Non-Western Studies (GEP), Undergraduate

HIS 303 History of Modern Mexico (3 credits)
A study of the major social, political, and economic factors that have shaped Mexico in the twentieth century. This course has been designated as a non-western studies course under the GEP. Latin American Studies.
Prerequisites: (HIS 1521 or HIS 203) and (HIS 1571 or HIS 206)
Attributes: International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 304 Social Protest in Latin Am His (3 credits)
An examination of upheaval in Latin American history, from village riots to social revolutions. Students will analyze relevant theoretical and historiographical literature on social protest and explore case studies that will test the explanatory strength of these different models. This course has been designated as a non-western studies course under the GEP. Latin American Studies.
Attributes: International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 310 Modern Germany (3 credits)
This course will enable students to assimilate historians’ differing conceptions regarding exceptionalism in German history and to examine key political, economic, and cultural developments in Germany over the past two hundred years. Students will contemplate how one might go about de-provincializing German history by situating the varying iterations of German nationhood in a wider European and global context.
Attributes: International Relations Course, Undergraduate

HIS 311 Nazism & Fascism Global Persp (3 credits)

HIS 314 Living in Ancient Med World (3 credits)

HIS 315 The Glory that was Greece (3 credits)
From Homer to Alexander, the Greeks of antiquity made their mark on the world both of their own time and of the present. While many know the names of great philosophers and artists, such as Plato and Sophocles, few are acquainted with the historical circumstances that often served to inspire these founders of Western civilization. Through original historical and literary texts, this course will help students better to understand the complex context of military prowess, intellectual curiosity, and artistic inspiration that created the glory that was Greece. This course satisfies the Art/Lit requirement under the GEP.
Attributes: Ethics Intensive (New GEP), Undergraduate

HIS 316 The Grandeur that was Rome (3 credits)
From its beginnings as a muddy village, Rome grew to create the largest empire and greatest uniformity the Western world has ever known. This course will: trace the course of Rome's development in the areas of military, political, social and legal history; examine the effects of Christianity and endless expansion upon the empire; and critically assess various theories explaining its demise. This course has been designated as writing intensive within the GEP.
Prerequisites: HIS 154
Attributes: Ancient Studies Course, European Studies Course, Undergraduate

HIS 317 The Rise of the West: 400-1200 (3 credits)
In recent years, scholarly debate has raged over the effects of "The Fall of Rome"; what was once viewed as a catastrophe faces re-evaluation from historians, archeologists, and sociologists. The slow merger of Roman, barbarian, and Christian cultures created a unique civilization, focused intently on survival in this world and salvation in the next. The course will examine the mental and physical constructs of this civilization, with the goal of appreciating the extraordinary creativity of a society with few hard and fast rules or institutions to guide it. This course has been designated as writing intensive under the GEP.
Prerequisites: ENG 101
Attributes: Ancient Studies Course, Undergraduate, Writing Intensive Course- GEP

HIS 318 Italian Renaissance 1100-1600 (3 credits)
Extraordinary creativity in all arenas flourished in Italy during the Renaissance. New forms of political theory and organization, finance, art, literature and views about human nature itself all drew on Roman and medieval traditions, and bloomed against a backdrop of constant warfare. The course will examine the formation and evolution of the northern Italian city-states and the culture they created. This course has been designated as writing intensive within the GEP.
Attributes: Undergraduate
HIS 319 Revolutions 1517-1648 (3 credits)
Through readings in primary and secondary sources, combined with weekly classroom discussions, this course will encourage students to decide for themselves how “revolutionary” the Reformation was. We will examine the historical roots of the Protestant Reformation and analyze the extent to which it was traditional and innovative. We will investigate the Reformation’s impact on the religious practice of regular people during the sixteenth and seventeenth centuries, as well as the works of the Reformers and the Catholic Church’s response. Finally, we will look at the long-term effects of the Reformation on European society and attempt to evaluate it as a motor of modernity. This course has been designated as a Faith-Reason course under the GEP.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

HIS 320 Absltsm & Enlghtnmnt:1650-1789 (3 credits)
Ideas of human freedom and individual rights first spread widely while states attempted to impose strict controls on their subjects. The course will examine the works of absolutist and Enlightenment thinkers, the political machinery of the (would-be) absolutist state, the tensions and accommodations between the two, and the culture and society that surrounded them.
Attributes: Undergraduate

HIS 321 French Revolution and Napoleon (3 credits)
This course will examine the causes of the French Revolution of 1789, the revolutionary governments and the Napoleonic era.
Attributes: International Relations Course, Undergraduate

HIS 322 Europe in 20th Cent, 1914-1939 (3 credits)
A study of the First World War and its impact upon the general course of European history, as well as a treatment of the political, economic, social, and diplomatic history of the period between the world wars.
Attributes: International Relations Course, Undergraduate

HIS 323 Europe in 20th Cent, Since1939 (3 credits)
A course emphasizing the Second World War and the recovery of Europe in the post-war era.
Attributes: International Relations Course, Undergraduate

HIS 324 Modern International Socialism (3 credits)
A study of political, diplomatic, social, economic and religious trends from the fall of Napoleon Bonaparte to the outbreak of the First World War.
Attributes: International Relations Course, Undergraduate

HIS 325 France 1814-1914 (3 credits)
A study of political, diplomatic, social, economic and religious trends from the fall of Napoleon Bonaparte to the outbreak of the First World War.
Attributes: International Relations Course, Undergraduate

HIS 326 The Age of Empire (3 credits)
A study of European imperialism and anti-imperialism in Africa and Asia from the late eighteenth century to the present, with special emphasis on the nineteenth century and on the British Empire.
Attributes: International Relations Course, Undergraduate

HIS 327 Trans in Early Mod Europe (3 credits)
This course examines some of the key transformations in European history between the years 1400-1800. This period is commonly referred to by historians as “Early Modern Europe,” a term that may seem somewhat odd to us who claim to live in a “modern” world. This course will investigate the term early modern, testing what it means and whether or not it is an appropriate label to place on a period encompassing four centuries. Topics will include the Renaissance, the Reformation, the Dutch Revolt, the English Civil War, European encounters with the “New World,” Absolutism and the rise of the nation state, the Scientific Revolution, the French Revolution, and many more.
Attributes: Medieval, Ren & Reform Studies, Undergraduate

HIS 328 European Dipl His, 1814-1914 (3 credits)
This course analyses the development of European crime and punishment from 1200-1840. It explores the evolution of different legal traditions by comparing the growth of inquisitorial procedures in continental Europe to the practice of common law in England. It examines in detail the social role of judicial torture, physical punishment, and public execution in European society. The operation of large institutional court systems such as the Roman and Spanish inquisitions receive great attention, with students reenacting a series of trials from Spanish Inquisition courts. After investigating the legal backdrop to sensational crimes such as regicide and witchcraft, the course concludes by studying the shift away from physical punishment toward punishment by prison in the eighteenth and nineteenth centuries through the lens of Philadelphia’s own relic of the criminal justice past, Eastern State Penitentiary.
Attributes: European Studies Course, Medieval, Ren & Reform Studies

HIS 330 Eng: Danes to Tudors, 700-1485 (3 credits)
This course will examine the ways in which official decrees—royal, noble, and ecclesiastical—affected people in all walks of life, and will furthermore explore the various roles English men and women constructed for themselves. In so doing, students will gain insight into the ways inhabitants of this island thought of themselves and the world around them.
Attributes: Undergraduate

HIS 331 Tudor-Stuart Eng, 1485-1714 (3 credits)
Age of the Tudor and Stuart monarchs. Topics include Henry VIII and the Reformation, Elizabethan England, Puritanism, the English Civil War, Cromwell, the Restoration, the Glorious Revolution, the growth of the early modern state, the scientific revolution, social change, and cultural life.
Attributes: European Studies Course, Undergraduate

HIS 332 Age of Aristocy: Brit 1689-1832 (3 credits)
The evolution of Britain from a preindustrial toward an industrial society between the Glorious Revolution and the first reform of Parliament; the political world of the Stuart and Hanoverian oligarchy; the industrial revolution; the Empire, particularly the British Atlantic world, and slavery; the Evangelical revival; radical social and political movements; warfare and the consolidation of British national identity; reform and the unraveling of the confessional state in the years after Waterloo; the arts, from Classical to Romantic.
Attributes: International Relations Course, Undergraduate

HIS 333 Victorian Britain, 1815-1901 (3 credits)
The course is a study of Britain from 1815 to 1901 transformed by the urban and industrial revolutions; the growth of the modern state; social and political reforms; the evolution of the Liberal and Conservative parties; religious, cultural, and intellectual developments; labor movements; British foreign policy and growth of the British Empire.
Attributes: European Studies Course, International Relations Course, Undergraduate

HIS 334 Twentieth Century Britain (3 credits)
Topics will include Edwardian England; Armageddon, 1914-1918; the trials of the inter-war years and appeasement; the Finest Hour, 1939-1945; from Empire to Commonwealth to European Union; the welfare state and the politics of prosperity.
Attributes: International Relations Course, Undergraduate
This course will examine the impact of the French Revolution and Napoleon on the German states, the development of the German Confederation and the Zollverein, the contest between Austria and Prussia for German leadership, the Bismarck era and the rule of William II. 

**Attributes:** European Studies Course, International Relations Course, Undergraduate

**HIS 336 The Weimar Republic & Nazi Germany (3 credits)**

This course will focus on the German Revolution of 1918, the creation, development and collapse of the Weimar Republic, the rise of Adolf Hitler and the history of the twelve-year Third Reich. 

**Attributes:** International Relations Course, Undergraduate

**HIS 337 History of Russia, 1682-1881 (3 credits)**

A survey of the major political, social, economic, and cultural developments in Russia from Kievan Rus to the emancipation of the serfs. Topics will include Kievan Rus; the Golden Horde; the Rise of Muscovy; the consolidation of the Romanov autocracy; the expansion of the empire; and the Great Reforms. 

**Attributes:** International Relations Course, Undergraduate

**HIS 338 Russia-Soviet Union 1861-1991 (3 credits)**

A survey of the major political, social, economic, and cultural developments of the Russian Empire from 1861 to 1917 and of the Soviet Union from its foundation to its break-up in 1991. Topics will include the decline of tsarism; the Russian revolutions; Stalinism; World War II; the Cold War; the "thaw years" under Khrushchev; the "stagnation years" under Brezhnev; and the reforms under Gorbachev. 

**Attributes:** International Relations Course, Undergraduate

**HIS 339 The Mongol Empire 1100-1500 (3 credits)**

In the thirteenth century, the Mongols built the largest contiguous land empire the world has ever known. This course will cover the rise, running, and fall of this empire. It will explore the society and culture of the Mongols, the world’s most famous nomadic conquerors. In addition, the course will examine how the Mongol Empire impacted the course of Eurasian history. It will explore how the empire affected not only the Mongols themselves, but also the many peoples whom they conquered. This course has been designated as a non-western studies course under the GEP.

**Attributes:** Asian Studies Course, Non-Western Studies (GEP), Undergraduate

**HIS 340 Stalinism 1920 to 1950 (3 credits)**

This course examines the Soviet Union under the leadership of Joseph Stalin from 1928 to 1953. This period was repressive, but also transformative. The course will address not only the suffering inflicted by Stalin’s steep repression, but also the social, cultural, and economic impact of his policies. Course readings will focus on the experiences of ordinary people to demonstrate that Stalin’s rule brought both opportunity, as well as great tragedy. Stalinism, historians argue, was more than a political ideology such as Marxism and Leninism, but a way of life and civilization distinct from anything the modern world had yet experienced.

**Attributes:** International Relations Course, Undergraduate

**HIS 341 Genocide/Human Rights 20th Century (3 credits)**

Examines and compares four twentieth-century genocides: the Turkish genocide of the Armenians (1915-1917), the Holocaust (1933-1945), the Pol Pot genocide in Cambodia (1976-1979), and the genocide against the Tutsi in Rwanda (1994). The course will explore the concept of genocide and the development of national and global laws to prevent it, promote human rights, and prosecute abusers. In doing so, it will offer a historiography of genocide studies. Also, through primary and secondary source readings, students will study genocidal violence as a particularly vicious form of state policy and also as a human and personal experience of terror and murder.

**HIS 343 African Ethnicities (3 credits)**

This course is designed to inform students on not only the general schools of ethnic construction, but also Africa’s unique contribution to the development of the field. There will be several case studies given in the class which represent some of the extremely varied African experiences with ethnicity. In this course students will develop an understanding of ethnic construction that can be used as a foundation for further inquiry. This course has been designated as a non-western studies course under the GEP.

**Attributes:** International Relations Course, Non-Western Studies (GEP)

**HIS 344 The Middle East Since 1798 (3 credits)**

**HIS 345 Africa: Transatlantic Slave Trade (3 credits)**

This class will examine the role of religious thought and cultural philosophies in conflict and peace in Africa. The class will begin as a survey of the history, cultures and religions of Africa. After which, several case studies will be presented that put specific North-African interpretations of Judaism, Islam, Christianity or traditionalist beliefs at the center of either conflict or consensus in this region. A final extended case study will examine the Somali, where one has a unity of language, culture and religion, but due to decades of civil wars, no functional state. These case studies will focus on the specific religious beliefs or practices that either endeared religious groups to each other or transcended religious denominations to provide concrete examples for the ways in which the proponents of faiths and secularity coexist or cause conflict in Africa.

**Attributes:** Faith-Reason Course (New GEP), International Relations Course

**HIS 347 Beyond Hercules: Spain & Portugal (3 credits)**

This course will examine popular and educated belief in the supernatural during the early modern period in Europe, beginning with late medieval concepts of magic and finishing with the end of witchcraft trials during the eighteenth and nineteenth centuries. It will focus especially on the “witch-craze” that occurred across Europe and its American colonies during the sixteenth and seventeenth centuries. Readings will include trial records, journals, and demonology tracts, as well as secondary sources treating witchcraft as a crucial component of early modern beliefs about law, religion, and culture.

**Attributes:** Undergraduate
HIS 349 Irish His. Place of Sml Country (3 credits)

HIS 350 Exchng & Conq in Mod E. Asia (3 credits)
This course is a chronological survey of East Asian history from 1500 to the present, emphasizing the reciprocal influences of East Asia and the West. The primary focus will be on China and Japan, with attention also to Korea and Vietnam. Major topics will include the Jesuits in East Asia; approaches to modernization in China and Japan; the decline of China and the rise of Japan in the nineteenth century; colonialism and anti-colonial movements; the challenges of global culture; and debates over human rights in the late twentieth century.
Attributes: Asian Studies Course, International Relations Course, Undergraduate

HIS 351 Gndr, Ideology & Rev in E. Asia (3 credits)
This course will examine the institutional and ideological connections between gender roles and social unrest in East Asia since 1600, with an emphasis on the twentieth century. Questions central to the class will be: changing notions of the ideal man and woman, and how changes in society and politics have been reflected in gender roles for men and women. Topics may include traditional East Asian societies; foot binding; revolutionary movements including communism, nationalism and feminism; family-planning; the Japanese samurai ideal; and gender roles in film and fiction.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 352 Late Imperial China (3 credits)
Chinese social, political, intellectual, and cultural history during the Ming and Qing dynasties. Major topics will include Ming voyages of discovery, Ming art and literature, the Manchu conquest, War of the Three Feudatories, Taiping Rebellion, and the advent of Western imperialism. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate

HIS 353 Modern China (3 credits)
Chinese social, political, intellectual, and cultural history from 1900 to 2000. Major topics will include the Opium Wars, emergence of Chinese nationalism, the Boxer Rebellion, collapse and fall of the Qing dynasty, the May Fourth Movement in literature and politics, competing strands of Chinese communism, warlords, the anti-Japanese war, the founding of the People’s Republic, the Great Leap Forward, Cultural Revolution, Deng Xiaoping’s Reforms, social protest of the 1980s, and the challenging of rapid economic development. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 354 Japan Since 1800 (3 credits)
The central theme of this course is the coexistence of traditional and modern Japan during the last 200 years. Major topics include traditional Japanese social structure, bushido and samurai culture, Perry and the opening of Japan, the Meiji Restoration, militarism and modernization, expansion onto the Asian continent, Showa democracy, the Pacific War, the American Occupation, political and economic reconstruction, cinema and literature of post-war Japan. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 355 Clnlism & Ntnlism SE Asia (3 credits)
This course will focus on the experience of colonialism and the development of independent modern nation-states in Vietnam, Cambodia, Laos, and Indonesia, and to a lesser extent, Malaysia, Singapore, Burma, and the Philippines. The course seeks to help students understand how colonialism redefined pre-existing relations among the peoples of the region and how modern nationalism and independence movements emerged in this context. Although political and economic interests are essential parts of this story, the course will focus on intellectual, cultural, and social factors.
Attributes: Asian Studies Course, International Relations Course, Undergraduate

HIS 356 Modern South Asia (3 credits)
The nation-states of India, Pakistan, Bangladesh, Sri Lanka, Bhutan, Nepal and the Maldives Islands (and sometimes Afghanistan)—comprise incredible diversity of language, culture, religion, art, dress, architecture, and cuisine. This course places the region into historical, political and socio-economic context. It offers a thematic and chronological study of modern South Asia with thorough examinations of the British colonial period, the movements for independence and the social activism that grew out of them. The course will then examine selected topics in contemporary South Asia including gender, caste, minorities, territorial sovereignty conflicts, popular culture and film, development economies, and the South Asian diaspora. This course has been designated as a non-western studies course under the GEP.
Attributes: International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 357 History of Islam in Asia (3 credits)
This course explores the early history of Islam, and the ways it grew beyond the Arabian peninsula and ultimately took hold in Central, South, Southeast Asia and East Asia. The course examines the expansion of Islam throughout Asia, its relationship with existing systems and geopolitics, the relationship between Islam and statecraft, and questions of gender, identity, belonging as well as the pressures of globalization, including the most current events affecting Asian Muslims.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 358 Contemporary China (3 credits)
The history of China since 1976. Major topics covered will be the death of Mao and the end of the Cultural Revolution; the opening of relations with the United States; Deng Xiaoping’s rise; opening and reform; China’s “economic miracle”; the one-third policy; the 1989 democracy movement and its aftermath; China’s rise as a global economic and political power; the environmental challenge accompanying China’s economic development; and the Communist Party’s strategies and tactics to maintain power. Usually offered as part of the SJU-in-China summer program. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 359 India & Pak: Colony to Nation (3 credits)
This course will examine the emergence of anti-imperialists and nationalist leaders and the evolution of their thinking; the politics of Indian nationalism; Muslim nationalism; the history of the partition and its reverberations and the challenges of state building after independence from Britain. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate
**HIS 360 Colonial America (3 credits)**
A survey of the social, economic, cultural, and political developments in colonial America with special emphasis on the origins and evolution of the plantation system, slavery, religious diversity, cities, and scientific inquiry.
*Attributes*: Diversity Course (New GEP), Undergraduate

**HIS 361 Amer Hist in Age of Revolution (3 credits)**
A survey of American history from the era of the American Revolution through the mid-nineteenth century with special emphasis on Independence, the 1800 revolution in politics, the transportation, agricultural, and industrial revolutions, and the social revolution accompanying modernization in the nineteenth century.
*Attributes*: Undergraduate

**HIS 362 The Civil War Era (3 credits)**
A survey of the middle period of American history with special emphasis on the Civil War and Reconstruction— the causes, management, and consequences of the war in society, economics, politics, and culture. This course has been designated as an ethics intensive course under the GEP.
*Prerequisites*: PHL 154
*Attributes*: Africana Studies Course, Ethics Intensive (New GEP), Undergraduate

**HIS 363 The Elections of 2020 (3 credits)**
An analysis of the presidential, congressional, and gubernatorial races of 2020. The course will offer the student a basis for understanding the ongoing election cycle of 2020, especially drawing upon the changes that have taken place in American politics since the 1980s and the history of electioneering in America, especially in the modern era. This will include discussion of partisan realignment, the growing importance of personality and interest group politics, and the role of issues in influencing electoral choice. Particular attention will be devoted to understanding the tactics and strategies of the two major parties as they position themselves for and then campaign in the Elections of 2020.
*Attributes*: Undergraduate

**HIS 364 Ethnic America (3 credits)**
A survey of the development of cities and the process of urbanization in America with special emphasis on urban institutions—government, police, voluntary associations—and the changing character and functions of cities in the modern period.
*Attributes*: Africana Studies Course, Undergraduate

**HIS 365 Urban America (3 credits)**
A survey of the development of cities and the process of urbanization in America with special emphasis on urban institutions—government, police, voluntary associations—and the changing character and functions of cities in the modern period.
*Attributes*: Africana Studies Course, Undergraduate

**HIS 366 Progressive Era to New Deal (3 credits)**
Reform affected all levels of U.S. politics and society in the first half of the twentieth century, linking the first Roosevelt administration to the last. Besides cleaning up at home, Progressives and New Dealers also tried to save the world abroad with varying success. This course will examine the origins, nature, contradictions and social and political consequences of these important Reforming Decades.
*Attributes*: International Relations Course, Undergraduate

**HIS 367 Postwar Am, 1945 to the Presnt (3 credits)**
This course will explore recent American history through an examination of political, social, and cultural developments, with particular emphases on the expanding role of the presidency, social movements embracing racial, class, and gender issues, and emerging cultural crosscurrents since World War II.
*Attributes*: International Relations Course, Undergraduate

**HIS 368 Am Ideas: Col Era to Civil War (3 credits)**
This course explores the history of American thought and culture from the Puritans to the Civil War, largely through primary source readings by major intellectual figures. The emphasis will be on social, political, and religious thought, but students will also discuss developments and trends in the arts, literature, and philosophy. Key topics include Puritanism and revivalism; liberalism, republicanism, and democracy; cultural nationalism and Transcendentalism; and abolitionism and antebellum reform.
*Attributes*: Undergraduate

**HIS 369 Am Ideas: Giled Age to Pres (3 credits)**
This course explores the history of American thought and culture from the late nineteenth century to the present, largely through primary source readings by major intellectual figures. The emphasis will be on social and political thought, but students will also discuss developments and trends in philosophy religion, the arts, and literature. Key topics include Victorianism and modernism; pragmatism and Progressivism; liberalism and conservatism; and postmodernism and multiculturalism.
*Attributes*: Undergraduate

**HIS 370 Topics in History (3 credits)**
The course introduces students to recent theoretical or practical topics of interest in history. Content and structure of the course are determined by the course supervisor. The special topic(s) for a given semester will be announced prior to registration.
*Attributes*: Undergraduate

**HIS 371 Directed Readings in Asian His (3 credits)**

**HIS 372 Directed Rdgs in European His (3 credits)**

**HIS 373 Afr Amer Hist Since Civil War (3 credits)**
This course will explore the history of African-Americans from Reconstruction to the present day. Students will examine the unity and diversity of the African-American experience, including the myriad social, cultural, political, and economic conditions that created this experience, the ways in which African-Americans have shaped American history and culture, and African-American efforts, in concert with other Americans, to subvert, transcend, and otherwise reform a discriminatory landscape and reassert the founding principles of the American republic.
*Prerequisites*: HIS 154
*Attributes*: Africana Studies Course, Diversity Course (New GEP), Undergraduate

**HIS 380 Am Foreign Policy, 1775-1914 (3 credits)**
This course explores the origins of United States foreign relations from their earliest days during the Revolution until the First World War. The course takes a broad approach, embracing such issues as independence, expansion, sectionalism, nationalism, idealism and imperialism.
*Attributes*: International Relations Course, Undergraduate
HIS 381 US in the World, Wilson-Reagan (3 credits)
This course covers the enhanced profile of the United States in the world from 1917 until the end of the Cold War. The nation’s transformation from a hesitant embrace of international commitments to an expansive vision of global involvement is a major theme, as are the resultant crusades and conflicts this generated domestically.
Attributes: International Relations Course, Undergraduate

HIS 382 American Foreign Policy (3 credits)
This course offers an interdisciplinary perspective on the United States’s role in global events emphasizing both historical understanding and theoretical approaches. Beginning with World War I, the course will develop major themes and challenges for U.S. foreign policy in the 20th century and beyond: isolationism vs. internationalism, hegemony vs. empire, citizens’ rights vs. state interests, and the extent to which the pursuit of national security (national power and prosperity) should recognize ethical limits.
Attributes: Undergraduate

HIS 383 Food in American History (3 credits)
Examines how food has shaped and reflected American culture, society, economy, and politics.
Attributes: Undergraduate

HIS 384 The Civil Rights Mov in Am (3 credits)
A survey of the modern civil rights movement in the United States, with special emphasis on the desegregation struggles in the American South and the personalities, strategies, and ideologies of the civil rights movement as it became a national movement through the 1960s and 1970s.
Attributes: Africana Studies Course, Undergraduate

HIS 385 His of Women in Am Since 1820 (3 credits)
This course will explore the history of American women from the beginnings of the antebellum period to the dawn of the post-Cold War era. It will focus upon the evolution of women’s family and work roles as well as their involvement in social reform and political movements and will emphasize both the unity and the diversity of women’s historical experiences, based upon factors such as race, ethnicity, class, and region. (DGNW overlay)
Attributes: Diversity Course (New GEP), Undergraduate

HIS 386 American Environmental History (3 credits)
This course will describe our historical place in the natural landscape. It will tell that story through the methods of “environmental history,” examining ecological relationships between humans and nature, political and economic influences on the environment, and cultural conceptions of the natural world. Drawing on methods from the natural sciences, the social sciences, and the humanities, the course will survey over 500 years of North American environmental history, with topics ranging from urban pollution and suburban sprawl to agricultural practices and wilderness protection.
Attributes: Ethics Intensive (New GEP), Undergraduate

HIS 387 Popular Culture in the US (3 credits)
This course will explore the production and consumption of commercialized leisure in the United States from the mid-nineteenth century to the present day. Throughout the nation’s history, American popular culture has both reflected and shaped society’s values, often serving as an arena of conflict among classes, races, and genders. By investigating selected sites on this contested terrain—from novels, stage shows, and movies to radio, television, and popular music—students will learn to think seriously, critically, and historically about the mass-produced culture that surrounds us every day.
Attributes: Communication Studies ILC Crs, Undergraduate

HIS 388 Reacting to the Past (3 credits)
This course will immerse students in moments of historical controversy through a series of extended role-playing games. By reading primary sources, conducting additional research, and participating in first-person debates, students will develop a more active, engaged, and empathetic understanding of both historic events and historical practice. Students will also participate in the play testing of new “Reacting” games, thereby contributing to the development of an innovative interactive pedagogy.
Attributes: Undergraduate

HIS 389 Gender/Sexuality Mod Euro & US (3 credits)
HIS 391 American Military History (3 credits)
This course assesses the development of the American military from the period of the Spanish-American War to the present. Emphasis will be placed on growth and change in the military within a broader social, political and economic context.
Attributes: Undergraduate

HIS 394 Middle East (3 credits)
HIS 458 Epidemiology (3 credits)
HIS 460 Research Seminars (3 credits)
HIS 462 Seminar in European History (3 credits)
HIS 470 Seminar in American History (3 credits)
Lectures, readings, and discussions focusing on an announced theme in United States history. Each student undertakes a major research project associated with the selected theme.
Attributes: Undergraduate

HIS 471 Seminar in American History (3 credits)
HIS 472 Seminar in European History (3 credits)
Lectures, readings, and discussion focusing on an announced theme in European history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course, and an ethics intensive course under the GEP.
Prerequisites: ENG 101
Attributes: Ethics Intensive (New GEP), European Studies Course, Undergraduate, Writing Intensive Course- GEP

HIS 473 Seminar in Eurasian History (3 credits)
Lectures, readings, and discussion focusing on an announced theme in Latin American history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course under the GEP.
Prerequisites: ENG 101 and HIS 154
Attributes: Undergraduate

HIS 474 Seminar in Latin Am His (3 credits)
Lectures, readings, and discussion focusing on an announced theme in Latin American history. Each student undertakes a major research project associated with the selected theme. Latin American Studies. Latin American Studies.
Attributes: Undergraduate

HIS 475 Seminar in Latin Am His (3 credits)
HIS 476 Seminar in Asian History (3 credits)
Lecture, readings, and discussion focusing on an announced theme in Asian history. Each student undertakes a major research project associated with the selected them. This course has been designated as a writing intensive course under the GEP.
Attributes: Asian Studies Course, Undergraduate
HIS 477 Seminar in African History (3 credits)
Lectures, readings, and discussion focusing on an announced theme in African history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course under the GEP.
Attributes: Africana Studies Course, Diversity Course (New GEP), Undergraduate

HIS 478 Seminar in Global/Comp His (3 credits)
Lectures, readings and discussion focusing on an announced theme in global and/or comparative history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course under the GEP.
Prerequisites: ENG 101
Restrictions: Enrollment is limited to students with a major in History.
Attributes: International Relations Course, Undergraduate, Writing Intensive Course- GEP

HIS 479 Seminar in Global/Comp His (3 credits)
HIS 480 Directed Readings in Amer Hist (3 credits)
HIS 481 Directed Rdgs in European Hist (3 credits)
HIS 482 Directed Rdgs in Asian Hist (3 credits)
HIS 483 Directed Rdgs in African Hist (3 credits)
HIS 484 Directed Rdgs in Latin Am Hist (3 credits)
HIS 489 Directed Readings (3 credits)
HIS 491 Philadelphia Area Internship (3 credits)
The Philadelphia Area Internship Program supports student internships in public sector, private sector, and non-government organizations. The course focuses on developing multiple skills. Students work at the organization a designated number of hours per week, keep a journal, read and analyze materials relevant to their internships, and produce written work that connects their internship experiences with relevant scholarly research. This course has been designated as writing-intensive under the GEP.
Prerequisites: ENG 101
Attributes: International Relations Course, Undergraduate, Writing Intensive Course- GEP

HIS 493 Honors Resrch and Ind Study I (3 credits)
Independent research leading to the successful completion and defense of an Honors Thesis.
Attributes: Undergraduate

HIS 494 Honors Research & Ind Study II (3 credits)
Independent research leading to the successful completion and defense of an Honors Thesis.
Attributes: Undergraduate

History Major

Goal 1: Articulate key differences in human experience across time and place.

Objective 1a: Students will be able to identify, articulate, and analyze the context, causes and consequences of historical events and epochs in different regions of the world and different time periods.

Goal 2: Assess competing assertions about the processes and dynamics of change over time.

Objective 2a: Students will be able to distinguish and evaluate the characteristics of multiple theoretical perspectives and methodological practices used to interpret the past.

Goal 3: Evaluate arguments based on empirical assertions and evidence rooted in the discipline

Objective 3a: Students will be able to recognize the characteristics of different kinds of sources (primary and secondary) and understand how they are used.

Objective 3b: Students will be able to discover different kinds of sources and evaluate their credibility and utility in specific circumstances.

Goal 4: Produce clear and persuasive analyses of relevant research questions based on the conventions of the discipline.

Objective 4a: Students will be able to practice the discipline's professional standards, including acknowledging and building on the work of others.

Objective 4b: Students will be able to apply a variety of tools, methods, and perspectives to investigate and interpret the past in an independently developed, supervised research undertaking.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:
1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
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</tbody>
</table>

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Social/Behavioral Sciences</td>
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General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses
Integrated Learning Component (ILC) of the General Education Program (GEP) for History Majors

History majors can complete the Integrated Learning Component of the GEP by completing three courses from any one track shown below. Courses taken as part of the History Department’s ILC may count toward a minor or a second major. They may not, however, count for credit elsewhere in the GEP. Subject to departmental approval, and under their advisor’s guidance, students may petition to construct a different ILC.

1. The Arts and Letters Track consists of any three courses that count toward majors in any of the following departments:
   - English
   - Art
   - Modern and Classical Languages
   - Music, Theater and Film
   - Philosophy
   - Theology and Religious Studies

2. The Social Sciences Track consists of any three courses in any of the following majors:
   - Criminal Justice
   - Economic
   - Education
   - Political Science
   - Sociology

3. The Multi-disciplinary Track consists of three non-history courses that are all part of the same multi-disciplinary College of Arts and Sciences Program, including:
   - Africana Studies
   - American Studies
   - Ancient Studies
   - Asian Studies
   - Faith Justice Studies
   - Gender Studies
   - International Relations
   - Latin American Studies
   - Medieval/Renaissance/Reformation Studies

GEP Free Electives

Ten courses

Major Requirements

Major Concentration

HIS 201 and HIS 202, plus ten additional approved courses numbered from HIS 203 and above.

These ten additional courses must include:

- at least one upper division course in U.S. history, one upper division course in European history, and one upper division course in history that does not focus on the United States or Europe.
- at least two courses that focus on a time period prior to 1800 CE (an updated list of appropriate courses is available on the department web site).

- at least two research seminars (HIS 460-HIS 479), ideally one in the junior year and one in the senior year. A senior Honors thesis may substitute for one of the seminars.

With approval of the chair, and according to general university policies, credit in the major can be granted for courses taken in other programs at the university, Advanced Placement courses, International Baccalaureate courses, or courses taken at other universities, including study abroad programs. History majors with credit transferred from other institutions must complete at least four courses taught by the history faculty of Saint Joseph’s University. Students who undertake a double major that includes history must consult the department chair for assistance in scheduling history courses and completing requirements for the major.

Honors Requirements

To receive Honors, students enroll in the senior year in HIS 493-HIS 494, two consecutive semesters of course-based research and study to produce a senior thesis. For students in the University Honors program, these two courses may be counted toward the eight course University Honors requirement. To be eligible for College Honors, a student must have a 3.5 GPA. If you are interested in completing the College Honors project during your senior year, please contact the department chair early in the spring semester of your junior year. Specific requirements for the College Honors thesis may be found in this catalog under the Honors Program.

Internships

Qualified history majors are eligible to participate in a variety of internships for academic credit with historical, cultural, educational, governmental, and other organizations. See the HIS 491 course description below.

Teacher Certification for Secondary Schools

Dual Major in History and Secondary Education

History majors are eligible to complete a double major in History and Secondary Education. In addition to the subject-specific content requirements for secondary school teacher certification that are met by completing the major, dual majors become candidates for the Grades 7-12 teaching certificate in Pennsylvania by completing a prescribed sequence of coursework, which includes the specific requirements for Accommodations and Adaptations for Diverse Learners in Inclusive Settings and Meeting the Needs of English Language Learners under PA §49.13(4)(i).

Below is the recommended program for students to be eligible for a PA Level I teaching certificate in Secondary Education.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDU 150/150F</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDU 157/157F</td>
<td>Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>EDU 246/246F</td>
<td>Literacy, Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>EDU 247/247F</td>
<td>Literacy in the Content Areas</td>
<td>3</td>
</tr>
<tr>
<td>SPE 160/160F</td>
<td>Intro to Special Education</td>
<td>3</td>
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<tr>
<td>SPE 203/203F</td>
<td>Tchng Adolescents Inclus Envir</td>
<td>3</td>
</tr>
<tr>
<td>SPE 310/310F</td>
<td>Assessment &amp; Progress Monitor</td>
<td>3</td>
</tr>
<tr>
<td>EDU 412/412F</td>
<td>Instruct Techniques -Soc Stud</td>
<td>3</td>
</tr>
</tbody>
</table>
Note: Candidates for Secondary School Teacher Certification must also complete two courses in Mathematics. One course is satisfied by the Mathematics GEP requirement. For History majors, the second Mathematics courses is taken as a free elective. It is recommended that MAT 118 be taken.

Also note that HIS/EDU double majors must take POL 111 as their POL 1** course.

Students seeking the double major are urged to declare their intentions as early as possible in their undergraduate careers and must register with the Teacher Education Department, which will guide candidates through their required Teacher Education courses and also assist students through the certification requirements of the Pennsylvania Department of Education. Students must have an overall Grade Point Average (GPA) of 3.0 or higher to be accepted into the teacher certification program and must have an overall GPA of 3.0 as one of the requirements to obtain teacher certification. See the Teacher Education Department section of the Catalog for more information.

History Course Sequences and Cycles

HIS 154 is offered every semester. HIS 201 is generally offered in the Fall semester. HIS 202 is generally offered in the Spring semester. Other courses will generally be offered on a two-to-three year cycle, meaning that those not taught in the current academic year will most likely be offered some time in the following two years. New or revised courses not currently listed in the catalog may be added.

Research Seminars (HIS 460 through HIS 479) will be scheduled each semester, with the topics and professors announced in advance. Each will offer the opportunity for in-depth study and completion of a major research project.

Directed Readings Courses (HIS 480-HIS 489) focus on significant themes and periods chosen by consultation between individual students and a faculty tutor. Prior approval from the Department Chair is required. Generally, these courses are restricted to students in the Honors Program.

Senior Honors Research (HIS 493-HIS 494) is a two-semester course sequence that requires independent research during the senior year under the direction of a faculty tutor, leading to the completion of a College Honors Thesis and its defense before a committee of faculty members from different disciplines.

History Minor

Goal 1: Articulate key differences in human experience across time and place.

Objective 1a: Students will be able to identify, articulate, and analyze the context, causes and consequences of historical events and epochs in different regions of the world and different time periods.

Goal 2: Assess competing assertions about the processes and dynamics of change over time.

Objective 2a: Students will be able to distinguish and evaluate the characteristics of multiple theoretical perspectives and methodological practices used to interpret the past.

Goal 3: Evaluate arguments based on empirical assertions and evidence rooted in the discipline

Objective 3a: Students will be able to recognize the characteristics of different kinds of sources (primary and secondary) and understand how they are used.

Objective 3b: Students will be able to discover different kinds of sources and evaluate their credibility and utility in specific circumstances.

Goal 4: Produce clear and persuasive analyses of relevant research questions based on the conventions of the discipline.

Objective 4a: Students will be able to practice the discipline's professional standards, including acknowledging and building on the work of others.

Objective 4b: Students will be able to apply a variety of tools, methods, and perspectives to investigate and interpret the past in an independently developed, supervised research undertaking.

The minor in history requires completion of HIS 154 and any five History courses numbered HIS 201 or higher.
HONORS PROGRAM

Program Overview
The Honors Program offers qualified and interested students an enriched and challenging alternative to their General Education Program and an opportunity for intensified independent research or creative work in their major concentration.

University Honors
Honors Courses in the General Education Program (GEP) or in individual majors are intellectually rigorous and may be taught by more than one faculty member, each from a different department of the University. Honors faculty are selected by the honors director working closely with the Honors Committee and department chairs. Graduation with University Honors requires successful completion of eight honors courses. These become part of the student's regular program and the Honors Program imposes no additional courses. Students must also have a cumulative GPA of 3.5 to receive University Honors.

College Honors
College Honors is a mandatory senior thesis or capstone experience that all Honors students must complete successfully in order to receive University Honors. College Honors is awarded to those students who have completed a two semester independent research/thesis or capstone project in the senior year, under the supervision of a faculty mentor. An oral presentation of work is required of all candidates for College Honors pursuing the thesis option, who make the arrangements for this presentation with their faculty mentor and their department chair. Interdisciplinary projects involving the student's minor as well as major are encouraged, but these require the specific written approval of the Honors Director and the Department Chairs of both the student's major and minor. Whether senior thesis or capstone experience, College Honors will satisfy two of the eight Honors requirements for completion of University Honors. In order to be eligible for College Honors, Honors students must have a minimum overall GPA of 3.5 in all course work at the end of their junior year and must be on track for the completion of their eight required Honors courses for University Honors. The Honors Program, upon the completion of academic review of Honors Program juniors, will establish a list of all students who meet these eligibility requirements.

College Honors may be offered to non-Honors students who have a minimum 3.5 GPA. This will be at the discretion of the department in which the thesis or capstone experience will be conducted. College Honors is an optional experience for non-Honors students.

Membership in the Honors Program
Membership in the Honors Program is by invitation of the Honors Director prior to the student’s first year at the University. Occasionally, interested non-Honors students may enroll in Honors courses with permission of the Director and instructor.

Honors Recognition
Successful completion of the requirements for University Honors and College Honors thesis or capstone project, is noted on the student's academic transcript.

Honors in the GEP
Many Honors courses can be used to satisfy one of several university GEP requirements. Students must notify the Registrar's office, the Honors Program, and their academic advisor which GEP requirement is being satisfied by which course. This must be done in writing.

Students are encouraged to consult with the Honors Director or Associate Director to assure that their course schedules are arranged in such a way as to integrate the fulfillment of University requirements with those of the Honors Program.

College Honors Requirements
To receive College Honors credit, a student must undertake two consecutive semesters of research/study culminating in a senior thesis or capstone project. These two courses may be counted toward the eight course Honors requirement. To be eligible for College Honors, a student must have a 3.5 GPA.

College Honors Thesis: A Description
Individual departments and interdisciplinary programs may determine their own College Honors experience by requiring either a two semester thesis or a two semester capstone experience, or in some cases offering students a choice of thesis or alternative capstone. Honors students completing College Honors should consult their major departments/programs to determine the required College Honors experience, whether capstone or thesis. Specific requirements, procedures, guidelines, and timelines for capstone projects will be supplied by the departments/programs.

Departments requiring the College Honors thesis should follow these particular guidelines. The Thesis should be original in its conception and analysis. This may mean the discovery of new knowledge, the reinterpretation of standard methods, theories and assumptions, or the formulation of data produced from fresh investigations. The College Honors Thesis should be the result of serious research, original thinking and a clear understanding of the context in which this research is conducted. The College Honors Thesis may take many forms: traditional narrative/analysis, in-depth study of specific texts or themes, empirical research, practical applications or a creative/inventive endeavor. Students submitting a proposal for a College Honors Thesis should provide evidence of background knowledge and requisite skills before they begin their work. The final result will be shared in an oral presentation, as well as in a written thesis, and should place the specific topic in a broader scholarly context by demonstrating familiarity with the authoritative literature and research on the subject.

Projects involving empirical research should develop a coherent hypothesis, and test it professionally and systematically. Length may vary according to each subject; however, it is expected that the College Honors Theses will be substantial in scope, length, and bibliography, and that it will be documented in accordance with the standards of the relevant discipline and include an abstract, title-page, table of contents, introduction, notes and bibliography. The final copy of the thesis should be clean, readable, and grammatically consistent and correct.

Procedures and Deadlines
In mid-February of their junior year, candidates planning to write a College Honors thesis should contact the Director of the Honors Program, who will arrange to have them meet members of the senior class working on College Honors Thesis projects. These sessions will be administered
either by the Director or the Associate Director of the Honors Program, and the focus will be on the requirements, preparation and contents of the various theses. By April 15 of their junior year, students should confirm with the Director of the Honors Program their intention to pursue the College Honors thesis. The College Honors application is available online at www.sju.edu/honors. They will be expected to outline a general area of research and to name a primary mentor for the project. They will also be required to attend one of the oral presentations being given by senior students towards the end of the semester, and to select their mentor for the College Honors Thesis. Students will be expected to remain in touch with their mentors throughout the summer months as they conduct preliminary research into their topics. By September 1, each student must submit a College Honors thesis proposal contract, which can be obtained online at www.sju.edu/honors. This form, which will outline the work load, general objectives and schedule of meetings to be held during the semester, should be signed and approved by their mentor. By October 1, each candidate should also select a second reader for the thesis, after consulting with their mentor. The second reader should be from a different department, who has a compatible interest in the thesis topic. The second reader will serve to offer advice, criticism and suggestions throughout the process of the College Honors Thesis. By November 15, a joint meeting including the Honors Director or Associate Director, the College Honors thesis candidate, the mentor and the second reader should be arranged. At this meeting, the student will provide a clear progress report of the work completed and an outline of what lies ahead.

A first draft of the entire project must be presented to the mentor for critical review by March 1 of the senior year. By April 20th, the student must submit a final draft to his/her mentor, to the members of the examination committee consisting of at least two additional faculty members (including the second reader), normally from the disciplines in which the research has been carried out, and to the Honors Director. An oral presentation of the project to the examination committee and the Honors Program Committee will occur sometime before the end of the final examination period. The members of the examination committee are asked to sign a copy of the project which will indicate that the student has passed the oral exam. The grade for the entire research project will be determined by the mentor. A copy of the signed, completed project is to be filed with the Honors Director and the appropriate department chair before recognition can be given at graduation.

**Director**
- Corabi

**Associate Director**
- Sorensen

**Undergraduate Major**
- Bachelor of Arts/Science Honors (p. 299)

**Honors Courses**

The following courses are taught as honors courses. See the course description of the catalog for further information. When courses other than those with the HON designation are offered as honors courses they will be so noted in the Banner registration module.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<td>HON 300</td>
<td>Community Engaged Scholarship</td>
<td>3</td>
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<tr>
<td>HON 301</td>
<td>Modern Mosaic I</td>
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</tr>
<tr>
<td>&amp; HON 302</td>
<td>Modern Mosaic II</td>
<td>6</td>
</tr>
<tr>
<td>HON 303</td>
<td>Reason Revolution Reaction I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; HON 304</td>
<td>Reason Revolution Reaction II</td>
<td>6</td>
</tr>
<tr>
<td>HON 305</td>
<td>America: Myth/Images/Real I</td>
<td>3</td>
</tr>
<tr>
<td>HON 307</td>
<td>Math Models in Chemistry I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; HON 308</td>
<td>Math Models in Chemistry II</td>
<td>6</td>
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<tr>
<td>HON 309</td>
<td>Pens/Guns: Lit Road Am Civ War</td>
<td>3</td>
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<td>HON 310</td>
<td>Womens Writing as Emancipation</td>
<td>3</td>
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<td>HON 311</td>
<td>Paradoxes, Prob &amp; Proofs</td>
<td>3</td>
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<td>HON 320</td>
<td>Honors: Elections of 2012</td>
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<td>HON 390</td>
<td>Descending Tower: Commnty Rsch</td>
<td>3</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td>3</td>
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<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
<td>3</td>
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<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
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<td>DSS 210</td>
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<td>ENG 416</td>
<td>Rebellious Women Writers</td>
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<td>LIN 340</td>
<td>Communication in Soc Contexts</td>
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<td>LTT 461</td>
<td>Franco-Afro-Caribbean Story</td>
<td>3</td>
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<td>MAT 132</td>
<td>Math of Games &amp; Politics</td>
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<td>MAT 139</td>
<td>Mathematics, Culture &amp; Society</td>
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<td>MGT 121</td>
<td>Organizations in Perspc Honors</td>
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<td>MGT 361</td>
<td>Introduction to Law Honors</td>
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<td>PHL 258</td>
<td>The Authentic Self</td>
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<td>PHL 336</td>
<td>Violence and Non-Violence</td>
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<td>PHL 356</td>
<td>Religious Diversity</td>
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<td>PHL 357</td>
<td>Uses &amp; Abs of Jesus in Modrnty</td>
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<td>PHL 434</td>
<td>Existentialism</td>
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<td>PHL 438</td>
<td>Kierkegaard, Mozart &amp; Desire</td>
<td>3</td>
</tr>
<tr>
<td>PHL 442</td>
<td>Nietzsche, Wagner, Cult of Genius</td>
<td>3</td>
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<tr>
<td>POL 320</td>
<td>Injustice &amp; the Law</td>
<td>3</td>
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<tr>
<td>REL 241</td>
<td>Islam</td>
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<tr>
<td>SOC 287</td>
<td>Sex, Gender &amp; Family in Cults</td>
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<tr>
<td>THE 359</td>
<td>Religion, Violence &amp; Terrorism</td>
<td>3</td>
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<tr>
<td>THE 370</td>
<td>Special Topics in Theology</td>
<td>3</td>
</tr>
<tr>
<td>THE 384</td>
<td>Jews/Chr: Theologies Compared</td>
<td>3</td>
</tr>
</tbody>
</table>

**Honors Program B.A./B.S.**

**Honors Degrees**

Students who successfully complete their University Honors requirements and mandatory College Honors thesis or capstone project qualify for the special degree Bachelor of Arts (Honors) or Bachelor of Science (Honors), whichever is appropriate. The distinctiveness of these degrees is acknowledged on the diploma and on the student’s transcript.

**Honors Program Learning Objectives and Their Alignment With Goals**

**Goal 1:** Students will pursue a program of study of interdisciplinary courses and courses offered in traditional disciplines.

**Objective 1.1:** Explore issues in a multiplicity of disciplines and integrate knowledge from those disciplines.
Objective 1.2: Demonstrate analytic and critical skills in examining literary, artistic, historical, philosophical, theological, sociological, political, scientific, legal, linguistic, or business texts.

Goal 2: Students will engage in rigorous thought, critical analysis, and synthesis in the context of problem solving.

Objective 2.1: Engage in independent scholarly or creative research, analysis, and synthesis that prompt them to invent written arguments that reflect the acquisition of knowledge, insights, and skills.

Objective 2.2: Demonstrate confidence and clarity in speaking in classroom presentation, discussion, and debate that demand data gathering, analysis, and critical reflection.

Objective 2.3: Address topical, social, scientific, cultural, or business issues either inside or outside the classroom, and propose original, creative, and enduring solutions to real world issues and problems.

Objective 2.4: Engage in self-reflection and self-evaluation to promote intellectual self-confidence or spiritual humility.

Goal 3: Students will produce a scholarly or creative project or capstone experience under the guidance of members of the Honors faculty.

Objective 3.1: Engage in independent scholarly or creative research, analysis, and synthesis that prompt them to invent written arguments that reflect the acquisition of knowledge, insights, and skills.

Objective 3.2: Explore aesthetic dimensions in creative works — stories, poems, plays, paintings, sculpture, architecture, film, and music — and learn the style, perspective, and techniques of a major artist or movement.

Goal 4: Students will create an intellectual environment through scholarly, creative, social, cultural, or business activities.

Objective 4.1: Engage in independent scholarly or creative research, analysis, and synthesis that prompt them to invent written arguments that reflect the acquisition of knowledge, insights, and skills.

Objective 4.2: Explore aesthetic dimensions in creative works — stories, poems, plays, paintings, sculpture, architecture, film, and music — and learn the style, perspective, and techniques of a major artist or movement.

Objective 4.3: Address topical, social, scientific, cultural, or business issues either inside or outside the classroom, and propose original, creative, and enduring solutions to real world issues and problems.

Successful completion of University Honors requires at least eight semesters of Honors courses. Students typically schedule Honors coursework in each of the eight semesters, although adjustments may be made to this schedule on the advice of the Honors Director. The following further restrictions apply to the minimum eight-course requirement:

- At least two courses must be team-taught interdisciplinary Honors courses.
- At least two courses must be honors courses satisfying Philosophy or Theology GEP requirements. One of these two must be in the Faith & Reason or Philosophical Anthropology area of the GEP.
- Two courses must be the mandatory College Honors senior thesis or capstone, as determined by individual departments. The College Honors thesis or capstone will satisfy two of the eight courses required for the University Honors diploma.

To remain in the Honors program, students are expected to maintain a 3.50 GPA, which is the minimum required for graduation with University Honors. Students who are not making reasonable progress toward the eight-course requirement or whose GPA is below 3.50 are subject to removal from the Honors Program.

Students are assigned an advisor from the department in which they declare a major. They should, however, consult with the Honors Director and Associate Director to assure that their course schedules are arranged in such a way as to integrate the fulfillment of university requirements with those of the Honors Program.
INTERNATIONAL RELATIONS

Director
• Fukuoka

Undergraduate Major
• International Relations (p. 301)

Undergraduate Minor
• International Relations (p. 304)

IRT 211 World Regional Geography (3 credits)
World Regional Geography is a course of social and spatial inquiry; it helps students compare and contrast societies and cultures. For nearly every area of the globe, this course explores how physical geography, the environment, politics, population, culture, and economy have shaped and continue to shape the diverse lives of people living on this increasingly connected planet. Furthermore, as a geography course, special attention is paid to how issues of place and scale influence and are influenced by human activity. Thus this course not only sheds light on what is out there in the world, but also the major patterns and processes that cut across regions and explain why what is out there is where it is.

Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

IRT 250 Research & Writing in INTR (3 credits)
This course exposes students to some classical theories in international and comparative studies. It will also introduce students to different methodologies appropriate for performing undergraduate research in International Relations. Throughout the semester, students will work on developing and completing their own research project, and the final product will be a significant paper which they will write in multiple drafts.

Prerequisites: POL 113 (may be taken concurrently) and POL 115 (may be taken concurrently) and ENG 101
Restrictions: Enrollment is limited to students with a major in International Relations or Political Science.

Attributes: International Relations Course, Undergraduate

IRT 493 Honors Rdgs & Research in IR (3 credits)
These courses are for students pursuing College Honors. Students must both have a 3.5 GPA as junior and generate a research proposal for a year-long project to be completed under the supervision of a member of the IR Committee. Interested students apply to the Honors Program by April 15 of their junior year for the right to perform Departmental Honors. Majors then work on their project from the summer prior to and throughout their final year at the University. For more information, please consult the Honors Program or the Director of the International Relations Program.

Attributes: International Relations Course, Undergraduate

IRT 494 Honors Rdgs & Research in IR (3 credits)
These courses are for students pursuing College Honors. Students must both have a 3.5 GPA as junior and generate a research proposal for a year-long project to be completed under the supervision of a member of the IR Committee. Interested students apply to the Honors Program by April 15 of their junior year for the right to perform Departmental Honors. Majors then work on their project from the summer prior to and throughout their final year at the University. For more information, please consult the Honors Program or the Director of the International Relations Program.

Attributes: International Relations Course, Undergraduate

IRT 495 IR Senior Capstone Seminar (3 credits)
Designed to be a culminating experience for all senior International Relations majors, this course provides students with an opportunity to pursue research on a topic of their choosing and present their papers to the class.

Prerequisites: (POL 231 or IRT 250) and ENG 101
Restrictions: Enrollment is limited to students with a major in International Relations or Political Science.

Attributes: International Relations Course, Undergraduate

International Relations Major

Program Overview
International Relations is a degree program that offers the student a truly interdisciplinary course of study. The major concentration emphasizes modern history, economics, and political science. The IR faculty encourages its majors to enhance the interdisciplinary nature of their studies by taking a double major or a minor concentration in modern language, economics, history, political science, business, or one of the interdisciplinary and area studies programs that the University offers (Asian Studies, Latin American Studies, Gender Studies, American Studies); by studying abroad; and/or by participating in the Washington and Philadelphia Internship Programs.

Students majoring in International Relations acquire valuable skills in communication and analysis, independent judgment, appreciation of different societies and cultures, and knowledge of world affairs and trends, all of which are critical in the increasingly global environment of today and tomorrow.

International Relations is a major rooted in the Jesuit tradition of liberal arts, especially suited to those whose orientation may be toward graduate or legal studies, government service, international business, communications, and education.

Learning Goals and Objectives

Goal 1: Students will gain a general knowledge of the field of International Relations, with exposure to the three core fields of the program, global politics, international economics, and modern history.

Objective 1.1: Students will identify and demonstrate knowledge of contemporary scholarship in the areas they have studied.

Objective 1.2: Students will identify and demonstrate knowledge of major historical and contemporary events in world affairs.

Goal 2: Students will be able to read and critically assess academic literature, orally articulate ideas, conduct research, and analyze data, appropriate to the undergraduate level.

Objective 2.1: Students will apply relevant theoretical concepts to assess real world issues.

Objective 2.2: Students will communicate an argument verbally to real world issues by analyzing or synthesizing relevant theories and concepts and/or analyzing and evaluating appropriate evidence.

Objective 2.3: Students will ask their own research question and conduct well-organized, empirically-oriented, written analysis of it by identifying, analyzing and synthesizing relevant theories and concepts, and collecting, analyzing and evaluating appropriate evidence.
Requirements or the International Relations Major

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Social/Behavioral Sciences</td>
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<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
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</tbody>
</table>

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

GEP Integrative Learning Component

International Relations majors must take three classes to satisfy the Integrated Learning Component of the GEP. Classes will stem from three groups or “types” of course, with two classes coming from one group and the third class coming from another group. Students may choose from which group they take two courses and which group they take a single course. The three groups are:

1. Analytical Tools
2. Foreign Languages and Literature (Modern and Classical Languages)
3. Social Justice

The Analytical Tools category includes:

- Any math course (MAT) (does not include “Beauty”)
- Any computer science (CSC) course
- Econometrics (ECN 410—requires ECN 101, ECN 102, MAT 118 or equivalent)
- Logic (PHL 220)
- Symbolic Logic (PHL 240)
- Statistics for the Social Sciences (PSY 211—requires PSY 100, PSY 101, and MAT 118 or instructor permission)
- Social Research Methods I (SOC 312)
- Social Research Methods II (SOC 313)

The Foreign Languages and Literature category includes:

All classes in Modern and Classical Languages numbered 202 or higher. Must be in addition to the courses used to fulfill the GEP Non-Native Language Requirement. Or, study of a different (new) language beyond the GEP Non-Native Language Requirement may count towards this requirement. See the IR Director for more information.

The Social Justice category includes:

Any class designated as Faith-Justice or additional GEP Overlay “Diversity” (beyond GEP DGNW requirement).

Students may petition the IR committee for non-Faith-Justice courses to count toward this requirement.

Major Requirements

Major Concentration

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
</table>

Foundational Courses (Classes of 2018 and 2019)

- ECN 101 Introductory Economics Micro: 3
- POL 113 Intro to Comparative Politics: 3
- POL 115 Introduction to Global Politics: 3
- IRT 211 World Regional Geography: 3

Foundational Courses (Class of 2020 and beyond)

- ECN 101 Introductory Economics Micro: 3
- POL 113 Intro to Comparative Politics: 3
- POL 115 Introduction to Global Politics: 3

Core Courses (Classes of 2018 and 2019)

- IRT 250 Research & Writing in INTR: 3
- or POL 231 Soph Sem: 1989/2011: 3

- IRT 495 IR Senior Capstone Seminar: 3
- or POL 403 Nations and Nationalism: 3
- or POL 404 Contemporary Peacebuilding: 3
- or POL 409 Contemporary Intern Immigration: 3

Core Course (1 course) (Classes of 2020 and beyond)

Capstone Course from: POL 403, POL 404, or POL 409. 1

IR majors who double-major in POL must complete a second Senior Capstone Course to fulfill the POL major requirements. In addition, Capstone Courses do not count towards the Upper Division Course requirements for either major.

Experiential Learning: (1 course) (Class of 2020 & beyond):

POL Internship Course (POL 411, POL 412, POL 413, POL 414, or POL 491 HIS 491) or any Service Learning course (with SLR attribute).

Upper Division Courses: (8 courses) (Classes of 2018 and 2019)

- Majors will select a total of 8 courses from the list of approved IR courses (see below). In completing this requirement, students must take (1) at least two upper division IR courses in History and (2) at least one upper division course each in Economics and Political Science. Course descriptions can be found in the relevant Departmental listings of the catalog.

Upper Division Courses: (9 courses) (Classes of 2020 & beyond) 2
Majors will select a total of 9 courses from the list of approved IR courses (see below). In completing this requirement, students must take (1) at least one upper division IR course in Economics, (2) at least two upper division IR courses in History, and (3) at least two upper division IR courses in Political Science. Course descriptions can be found in the relative Departmental listings of the catalog.

### Economics
- ECN 321 International Trade
- ECN 322 International Macroeconomics
- ECN 370 Economic Development
- ECN 430 Modern Economic Systems
- ECN 440 U.S. Economic History
- ECN 445 Econ. of Multinatnl Enterprises
- ECN 460 African Economies
- ECN 475 Asian Economies
- ECN 477 Chinese Economies
- ECN 485 Ecns of Migration & Immigratn

### History
- HIS 202 American Hist. 1865 to Present
- HIS 203 Historical Intro to Latin Am
- HIS 204 Latin American-U.S. Migration
- HIS 205 His Intro to the Islamic World
- HIS 208 Historical Intro to Asian Civ
- HIS 209 AP European History Credit
- HIS 210 Historical Intro to Mod.Africa
- HIS 301 United States and Latin Am
- HIS 303 History of Modern Mexico
- HIS 304 Social Protest in Latin Am His
- HIS 321 French Revolution and Napoleon
- HIS 322 Europe in 20th Cent, 1914-1939
- HIS 323 Europe in 20th Cent, Since1939
- HIS 325 France 1814-1914
- HIS 326 The Age of Empire
- HIS 332 Age of Aristocy: Brit 1689-1832
- HIS 333 Victorian Britain, 1815-1901
- HIS 334 Twentieth Century Britain
- HIS 335 Germany: Fr Rev through WWI
- HIS 336 The Weimar Repbcl & Nazi Germy
- HIS 337 History of Russia, 1682-1881
- HIS 338 Russia-Soviet Union 1861-1991
- HIS 340 Stalinism 1920 to 1950
- HIS 343 African Ethnicities
- HIS 350 Exchng & Conq in Mod E. Asia
- HIS 351 Gndr, Ideology, & Rev in E. Asia
- HIS 353 Modern China
- HIS 354 Japan Since 1800
- HIS 355 Clinism & Mtnlism SE Asia
- HIS 356 Modern South Asia
- HIS 357 History of Islam in Asia
- HIS 358 Contemporary China
- HIS 359 India & Pak: Colony to Nation
- HIS 366 Progressive Era to New Deal
- HIS 367 Postwar Am, 1945 to the Presnt
- HIS 380 Am Foreign Policy, 1775-1914
- HIS 381 US in the World, Wilson-Reagan
- HIS 491 Philadelphia Area Internship (depending on specific internship)

### Political Science
- POL 305 Politics, Ideology, & Film
- POL 331 Latin American Politics
- POL 333 Asian Democ at the Crossroads
- POL 334 Russian Politics
- POL 335 Comp Pols of MENA
- POL 336 The EU and European Politics
- POL 337 Contemp Cuban Politi, Std Tour
- POL 338 Democracy:Perspect. from Rome
- POL 339 Dictatorship, Asian Style
- POL 340 Political Geography
- POL 341 Revolts and Revolutions
- POL 350 Memory & Recon. in Global Soci
- POL 351 International Human Rights
- POL 352 Global Political Economy
- POL 353 Global Security
- POL 354 War and Peace
- POL 356 American Foreign Policy
- POL 359 Contemporary Intil Migration
- POL 361 Theories of Internat Relations
- POL 364 Internl Relatns of East Asia
- POL 367 Ethics in Intentionl Affairs
- POL 368 Women, Gender & World Politics
- POL 411 Washington Internship I
- POL 412 Washington Internship II
- POL 413 International Internship I
- POL 414 International Internship II
- POL 491 Philadelphia-Area Internship

### International Relations
- IRT 493 Honors Rdgs & Research in IR
- IRT 494 Honors Rdgs & Research in IR

1 The Department strongly recommends that all students take the appropriate introductory and upper division courses prior to enrolling in a Capstone.

2 IR majors who double-major in POL may not count more than 3 Upper Division courses towards either degree requirement.

### Internships
The Washington Internship is described under Special Programs and allows students to work in Washington for a whole semester and earn course credits (POL 411/POL 412 Washington Internship). The Philadelphia-Area Internship Program is described under the Political Science Program (as POL 491) and History Program (as HIS 491). IR students can take both HIS 491 and POL 491. However, only one of the two courses will be counted towards the IR course requirements.

### University Honors Requirements
To receive University Honors credit, an Honors Program student who is an International Relations major must have a 3.5 GPA, complete the
Honors curriculum of 8 courses as specified, and must undertake two consecutive semesters of research/study in the form of a senior thesis with a faculty mentor. These two courses may be counted toward the student’s total upper division international relations courses. Specific requirements for the Honors thesis may be found under the Honors Program.

**International Relations Minor**

**Learning Goals and Objectives**

**Goal 1:** Students will gain a general knowledge of the field of International Relations, with exposure to the three core fields of the program, global politics, international economics, and modern history.

**Objective 1.1:** Students will identify and demonstrate knowledge of contemporary scholarship in the areas they have studied.

**Objective 1.2:** Students will identify and demonstrate knowledge of major historical and contemporary events in world affairs.

**Goal 2:** Students will be able to read and critically assess academic literature, orally articulate ideas, conduct research, and analyze data, appropriate to the undergraduate level.

**Objective 2.1:** Students will apply relevant theoretical concepts to assess real world issues.

**Objective 2.2:** Students will communicate an argument verbally or in writing in response to real world issues by analyzing or synthesizing relevant theories and concepts and/or analyzing and evaluating appropriate evidence.

**Objective 2.3:** Students will ask their own research question and conduct well-organized, empirically-oriented, written analysis of it by identifying, analyzing and synthesizing relevant theories and concepts, and collecting, analyzing and evaluating appropriate evidence.

Minors in International Relations will complete 6 courses that satisfy the following requirements:

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<th>Code</th>
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<td>ECN 102</td>
<td>Introductory Economics Macro</td>
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<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
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</tr>
<tr>
<td>Any HIS 200-level course (except HIS 201 and HIS 211)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Plus 4 upper division IR courses.</strong></td>
<td>1</td>
</tr>
</tbody>
</table>

1 In completing these 4 upper division courses, students must take at least one approved ECN, HIS, and POL class.
JUSTICE AND ETHICS IN LAW

Director
• Lyons

Advisory Board
• Close (HIS)
• Kelly (SOC)
• Leibell (POL, sabbatical 2016)
• Linehan (PHL)
• McCall (PHL/MGT)
• McDevitt (MGT)
• Moore (SOC)
• Robson (MGT)
• Scola (POL)
• Weidner (MGT)

Undergraduate Minors
• Justice and Ethics in Law (p. 305)

Justice and Ethics in Law Minor

Objectives
The Justice and Ethics in the Law (JEL) minor emphasizes the ethical, business, social, and political structures that underlie the law. This interdisciplinary minor examines how justice is defined in legal regimes as well as the ethical issues raised by the enforcement of law, legal procedure, conflicting rights, and the making (and maintaining) of constitutions. All students will have the opportunity for an internship. JEL emphasizes skills that may be applied to academic and professional life: analytic and problem solving skills; critical reading ability of complex texts; writing skills including preparing and revising papers; oral communication and listening abilities; and research and time-management skills. Given the number of writing intensive, diversity, globalization, social science, and ethics intensive classes listed in the minor, students may satisfy much of the General Education Program through the minor.

Internships must be related to justice, ethics, or law, please see JEL Director for permission to approve course.

Goal 1: Students will develop logical reasoning skills.
Objective 1.1: Demonstrate ability to analyze legal cases.

Goal 2: Students will demonstrate an understanding of the interrelationship between law, ethics and justice in a multi-disciplinary context.
Objective 2.1: Demonstrate basic knowledge of similarities and differences in the concept of justice in moral, historical, or legal contexts.
Objective 2.2: Identify and explain fundamental questions of ethics.
Objective 2.3: Describe how justice is defined in legal (as opposed to ethical) contexts.

Goal 3: Students will demonstrate an understanding of the relationship between law and social justice in a multi-disciplinary context.
Objective 3.1: Define conceptions of social justice.
Objective 3.2: Compare and contrast conceptions of social justice in moral, historical, or legal contexts.

Requirements for the Justice and Ethics in the Law Minor
Total of 6 courses:
• Two core courses in legal reasoning (one each from HSB and CAS)
• Two ethics-intensive courses (see approved list)
• Two electives (see approved list)

Note: No more than three courses may be taken in the same department and no class may count twice as part of the minor.

Legal Reasoning
Minors must take two courses (one each from HSB and CAS) that expose students to logical reasoning, reading cases, writing briefs, and/or research. Students may take more LR courses and count them as electives.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 301</td>
<td>Law and Social Change</td>
<td>3</td>
</tr>
<tr>
<td>POL 310</td>
<td>Constitutional Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 311</td>
<td>Const Law:Rights &amp; Civil Lib</td>
<td>3</td>
</tr>
<tr>
<td>POL 312</td>
<td>Social Controversy &amp; Sup Court</td>
<td>3</td>
</tr>
<tr>
<td>SOC 345</td>
<td>Law and Social Policy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 368</td>
<td>Cults as Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 361</td>
<td>Introduction to Law Honors</td>
<td>3</td>
</tr>
<tr>
<td>MGT 362</td>
<td>Legal Environ’t of Business II</td>
<td>3</td>
</tr>
</tbody>
</table>

Ethics Intensive and Electives listed by Department:
All students must take at least 2 ethics intensive courses. They may take more and count them as electives.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 422</td>
<td>Forensic Accounting</td>
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</tr>
<tr>
<td>EN 429</td>
<td>ReadingWritingCivil Right Move</td>
<td>3</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Literature &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENG 443</td>
<td>Special Topics in Writing</td>
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<tr>
<td>ENG 444</td>
<td>Writing throughRaceClassGender</td>
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</tr>
<tr>
<td>ENG 490</td>
<td>Journalism Internship</td>
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<tr>
<td>ENG 491</td>
<td>IndependentStudy:Community Svc</td>
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<tr>
<td>ENG 492</td>
<td>English Internship</td>
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<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
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<tr>
<td>HIS 204</td>
<td>Latin American-U.S. Migration</td>
<td>3</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
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<tr>
<td>HIS 319</td>
<td>Revolutions 1517-1648</td>
<td>3</td>
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<tr>
<td>HIS 327</td>
<td>Trans in Early Mod Europe</td>
<td>3</td>
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<tr>
<td>HIS 329</td>
<td>Crime &amp; Punishment</td>
<td>3</td>
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<tr>
<td>HIS 341</td>
<td>Genocide/Human Rights 20th Cen</td>
<td>3</td>
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<tr>
<td>HIS 348</td>
<td>Witch, Law &amp; Supernat Early Eur</td>
<td>3</td>
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<tr>
<td>HIS 384</td>
<td>The Civil Rights Mov in Am</td>
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</tr>
<tr>
<td>HIS 472</td>
<td>Seminar in European History ¹</td>
<td>3</td>
</tr>
<tr>
<td>HIS 491</td>
<td>Philadelphia Area Internship</td>
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<tr>
<td>Honors</td>
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<tr>
<td>HON 312</td>
<td>Word Became Flesh: Cath Spirit</td>
<td>3</td>
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<tr>
<td>HON 366</td>
<td>Violence and Non Violence</td>
<td>3</td>
</tr>
<tr>
<td>or PHL 366</td>
<td>Violence and Non Violence</td>
<td>3</td>
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<tr>
<td>MGT 361</td>
<td>Introduction to Law Honors</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Health Services</td>
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<td>IHS 251</td>
<td>Healthcare Law and Ethics</td>
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<tr>
<td>IHS 368</td>
<td>Just Hlth Care Dev Nations</td>
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<tr>
<td>or THE 368</td>
<td>Just Hlth Care Dev Nations</td>
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<tr>
<td>Linguistics</td>
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<td>LIN 260</td>
<td>Language and the Law ¹</td>
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<tr>
<td>Management</td>
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<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
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<tr>
<td>MGT 361</td>
<td>Introduction to Law Honors</td>
<td>3</td>
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<tr>
<td>MGT 362</td>
<td>Legal Environ't of Business II</td>
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<tr>
<td>MHC 360</td>
<td>Employment and Labor Law</td>
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<tr>
<td>LEO 210</td>
<td>Business Stakeholders &amp; Ethics ¹</td>
<td>3</td>
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<tr>
<td>LEO 310</td>
<td>Breaking News in Bus. Ethics ¹</td>
<td>3</td>
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<tr>
<td>IBU 363</td>
<td>International Business Law</td>
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<td>FBE 360</td>
<td>Bus Law-Entrepreneurial Firms</td>
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<td>Marketing</td>
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<td>MKT 352</td>
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<td>Philosophy</td>
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<td>Logic</td>
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<td>PHL 240</td>
<td>Symbolic Logic</td>
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<tr>
<td>PHL 262</td>
<td>Freedom, Citizenship, Culture ¹</td>
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<tr>
<td>PHL 311</td>
<td>Philosophy of Law</td>
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</tr>
<tr>
<td>PHL 320</td>
<td>Business, Society, and Ethics ¹</td>
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<tr>
<td>PHL 330</td>
<td>Social and Political Phil ¹</td>
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<tr>
<td>PHL 334</td>
<td>Ethics and Criminal Justice ¹</td>
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<td>PHL 336</td>
<td>Violence and Non-Violence</td>
<td>3</td>
</tr>
<tr>
<td>PHL 338</td>
<td>Vio &amp; Recncliatn in N. Irelnd ¹</td>
<td>3</td>
</tr>
<tr>
<td>PHL 342</td>
<td>Dimensions of Freedom ³</td>
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<tr>
<td>Political Science</td>
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<tr>
<td>POL 150</td>
<td>First-Year Seminar ¹</td>
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<tr>
<td>POL 301</td>
<td>Law and Social Change</td>
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<tr>
<td>POL 310</td>
<td>Constitutional Politics</td>
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<td>POL 311</td>
<td>Const Law:Rights &amp; Civil Lib</td>
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<td>POL 312</td>
<td>Social Controversy &amp; Sup Court</td>
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<tr>
<td>POL 320</td>
<td>Injustice &amp; the Law</td>
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<tr>
<td>POL 326</td>
<td>Protesting Inequality</td>
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<tr>
<td>POL 351</td>
<td>International Human Rights</td>
<td>3</td>
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<tr>
<td>POL 367</td>
<td>Ethics in Intentionl Affairs ¹</td>
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<tr>
<td>POL 402</td>
<td>Contentious Politics in the US</td>
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<tr>
<td>POL 407</td>
<td>Theories of Justice</td>
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<tr>
<td>POL 411/412</td>
<td>Washington Internship I (semester or summer in Washington D.C.; some credits may apply to minor.)</td>
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<tr>
<td>POL 491</td>
<td>Philadelphia-Area Internship</td>
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<tr>
<td>Psychology</td>
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<tr>
<td>PSY 236</td>
<td>Ethics in Psychology ¹</td>
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<tr>
<td>Sociology</td>
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<tr>
<td>SOC 225</td>
<td>Intro to American CJ</td>
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</tr>
<tr>
<td>SOC 245</td>
<td>Law and Social Policy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 246</td>
<td>CJ Ethics &amp; Legal Responsblty</td>
<td>3</td>
</tr>
<tr>
<td>SOC 251</td>
<td>Gender and the Law</td>
<td>3</td>
</tr>
<tr>
<td>SOC 264</td>
<td>Crim Courts &amp; Crim Procedures</td>
<td>3</td>
</tr>
<tr>
<td>SOC 368</td>
<td>Cults as Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>SOC 377</td>
<td>Inside-Out Expl Crime&amp;Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 378</td>
<td>Urban and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>Theology</td>
<td></td>
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<tr>
<td>THE 366</td>
<td>Christian Medical Ethics ¹</td>
<td>3</td>
</tr>
<tr>
<td>THE/IHS 368</td>
<td>Just Hlth Care in Dev Nations ¹</td>
<td>3</td>
</tr>
<tr>
<td>THE 372</td>
<td>Technology Ethics ¹</td>
<td>3</td>
</tr>
</tbody>
</table>
| ¹ EI = ethics intensive course
² Sociology has internships offered through independent study that may accommodate law, justice, and ethics work.
³ Courses only count towards the minor when they cover certain topics. Please check with the Justice and Ethics in Law minor Director.
**Latin American Studies**

**Director**  
- Richard Gioioso (POL)

**Latin American Studies Advisory Board**  
- Brown (SOC)  
- Clark (TRS)  
- Faccini (MCL)  
- Hennes (MCL)  
- Neiva (MGT)  
- Nikoloutsos (MCL)  
- Pardo (ECN)  
- Shenk (MCL)  
- Tellez-Espiqa (MCL)

**Undergraduate Minors**  
- Latin American Studies (p. 307)

**Latin American Studies Minor**

Students in the Latin American Studies Program explore the region through a variety of lenses, which they develop through an individualized and multi-disciplinary course of study. Students select from courses primarily in history, language, literature and culture; and political science, as well as economics, theology, sociology and art history. This multi-disciplinary approach to the region prepares students for graduate study or careers in government, nonprofit, education, and business environments. Study abroad in Latin America is strongly encouraged.

Students complete the Minor in Latin American Studies with six courses. Since a level of proficiency in one of the region’s languages is a key component of the minor, students must complete relevant language courses, usually Spanish, through the 202 level or demonstrate proficiency through other means. In addition, to ensure the interdisciplinary focus of the minor, courses from at least three participating departments must be represented among the six courses completed. Students may petition the Latin American Studies Advisory Board to receive credit for courses not listed below, such as courses taken abroad. Students participating in study abroad or a study tour to Latin America are encouraged to ask the program director about the Charles Shreiner Scholarships.

**Sample Course Offerings**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 106</td>
<td>Art of Colonial Latin America</td>
<td>3</td>
</tr>
<tr>
<td>ECN 370</td>
<td>Economic Development</td>
<td>3</td>
</tr>
<tr>
<td>ECN 482</td>
<td>Latin American Economies</td>
<td>3</td>
</tr>
<tr>
<td>EDU 357</td>
<td>Edu and Jesuit Missn in Lat Am</td>
<td>3</td>
</tr>
<tr>
<td>FRE 461</td>
<td>Caribbean Francophone Liter</td>
<td>3</td>
</tr>
<tr>
<td>HIS 203</td>
<td>Historical Intro to Latin Am</td>
<td>3</td>
</tr>
<tr>
<td>HIS 204</td>
<td>Latin American-U.S. Migration</td>
<td>3</td>
</tr>
<tr>
<td>HIS 301</td>
<td>United States and Latin Am</td>
<td>3</td>
</tr>
<tr>
<td>HIS 302</td>
<td>Colonial Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIS 303</td>
<td>History of Modern Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIS 304</td>
<td>Social Protest in Latin Am</td>
<td>3</td>
</tr>
<tr>
<td>HIS 475</td>
<td>Seminar in Latin Am His</td>
<td>3</td>
</tr>
<tr>
<td>LTT 461</td>
<td>Franco-Afro-Caribbean Story</td>
<td>3</td>
</tr>
<tr>
<td>MCC 150</td>
<td>Special Topics in MCC</td>
<td>3</td>
</tr>
<tr>
<td>MCC 360</td>
<td>Space &amp; Place in Col Latin Am</td>
<td>3</td>
</tr>
<tr>
<td>POL 331</td>
<td>Latin American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 337</td>
<td>Contemp Cuban Politi, Std Tour</td>
<td>3</td>
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<tr>
<td>POL 352</td>
<td>Global Political Economy</td>
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<tr>
<td>SOC 271</td>
<td>Sociology of Migration</td>
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<tr>
<td>SOC 316</td>
<td>Fair Trade: Coffee-Co-Op to Cup</td>
<td>3</td>
</tr>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>SPA 301</td>
<td>Spanish Conversation</td>
<td>3</td>
</tr>
<tr>
<td>SPA 302</td>
<td>Spanish Composition</td>
<td>3</td>
</tr>
<tr>
<td>SPA 303</td>
<td>Spa Conv for Heritage Speakers</td>
<td>3</td>
</tr>
<tr>
<td>SPA 310</td>
<td>Intro to Lit of Sp-Spkng Wrld</td>
<td>3</td>
</tr>
<tr>
<td>SPA 320</td>
<td>Cur Evnts in the Sp-Lang Media</td>
<td>3</td>
</tr>
<tr>
<td>SPA 350</td>
<td>Intro to Latin Amer Cultures</td>
<td>3</td>
</tr>
<tr>
<td>SPA 355</td>
<td>Río de la Plata: Study Tour</td>
<td>3</td>
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<tr>
<td>SPA 360</td>
<td>Spanish in the Community</td>
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<tr>
<td>SPA 401</td>
<td>Topics in Latin Am Cultures</td>
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<td>SPA 410</td>
<td>Old Wld to New Wld Hsp Lit</td>
<td>3</td>
</tr>
<tr>
<td>SPA 411</td>
<td>Mod Wld to Pres Wld in Hsp Lit</td>
<td>3</td>
</tr>
<tr>
<td>SPA 420</td>
<td>Major Latin American Authors</td>
<td>3</td>
</tr>
<tr>
<td>SPA 421</td>
<td>Shrt Mod Latin Am Novel &amp; Film</td>
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</tr>
<tr>
<td>SPA 422</td>
<td>Cult, Dictshp &amp; Exile: 1973-85</td>
<td>3</td>
</tr>
<tr>
<td>SPA 423</td>
<td>Latin Am Modern Short Story</td>
<td>3</td>
</tr>
<tr>
<td>SPA 424</td>
<td>Discourse of Lat Am Modernity</td>
<td>3</td>
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<tr>
<td>SPA 425</td>
<td>Imagery of the Conquest</td>
<td>3</td>
</tr>
<tr>
<td>SPA 426</td>
<td>Culture in Revolution</td>
<td>3</td>
</tr>
<tr>
<td>SPA 430</td>
<td>Nar of Euro Explor &amp; Con in Am</td>
<td>3</td>
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<tr>
<td>SPA 431</td>
<td>Commonplaces of Colonial Exp</td>
<td>3</td>
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<tr>
<td>SPA 466</td>
<td>Spanish Dialectology</td>
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<td>SPA 467</td>
<td>Lang Contact &amp; Pol in U.S.</td>
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<td>THE 356</td>
<td>Liberation &amp; Pol Theologies</td>
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</tr>
<tr>
<td>THE 358</td>
<td>Faith, Justice &amp; Jesuit Miss</td>
<td>3</td>
</tr>
<tr>
<td>THE/IPS 368</td>
<td>Just Hlth Care in Dev Nations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Provisional Courses**

The following courses may count toward the minor in Latin American Studies, depending on course content in a given semester, including the student’s final project. Students who would like to include these courses in their Latin American Studies program of study should consult with the current Program Director in advance.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>ECN 321</td>
<td>International Trade</td>
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<td>ECN 350</td>
<td>Monetary Economics</td>
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<tr>
<td>PHL 257</td>
<td>Philosophy and Liberation</td>
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</tr>
<tr>
<td>POL 341</td>
<td>Revolts and Revolutions</td>
<td>3</td>
</tr>
<tr>
<td>POL 342</td>
<td>Nationalism</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Students may count a maximum of two of the following courses towards the Minor in Latin American Studies: SPA 202, SPA 301, SPA 302, SPA 303, SPA 410, SPA 411.
Study Tours
The following study tours are approved LAS courses. Some may also be offered in a non-study tour version.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ECN 482</td>
<td>Latin American Economies</td>
<td>3</td>
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<tr>
<td>EDU 357</td>
<td>Edu and Jesuit Missn in Lat Am</td>
<td>3</td>
</tr>
<tr>
<td>POL 337</td>
<td>Contemp Cuban Politi, Std Tour</td>
<td>3</td>
</tr>
<tr>
<td>SPA 355</td>
<td>Río de la Plata:Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>SOC 316</td>
<td>Fair Trade:Coffee-Co-Op to Cup</td>
<td>3</td>
</tr>
<tr>
<td>THE 358</td>
<td>Faith, Justice &amp; Jesuit Miss</td>
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<td>THE/IHS 368</td>
<td>Just Hlth Care in Dev Nations</td>
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</table>
Linguistics

The Linguistics Program

The SJU Linguistics Program is designed to heighten students’ awareness of the complex nature of language and communication and their important, but often overlooked, role in daily life. Linguistics courses aim to increase students' knowledge and understanding of human communication and to understand the nature of language in general, bringing students to a point where they can apply this knowledge in particular fields such as criminal justice, education, forensics, languages, law, psychology, sociology, speech therapy, or translation. Linguistics students will be prepared to become language professionals, pursue graduate studies in linguistics or TESOL, or to practice the skills of a linguist in a variety of professional fields.

Linguistics is the study of how languages work, where they come from, how they are used in society, how they change over time and how they are learned. Linguists serve as translators, interpreters, speech therapists, professors, researchers, and language teachers, to name a few professional roles. They also investigate issues including language acquisition, literacy, bilingualism, speech pathology, and language planning or policy. Linguists sometimes speak or have knowledge of more than one language though depending on their specialization, some speak only their native language. Contact the Linguistics Program Director, Dr. Jennifer Ewald (jewald@sju.edu), for more information and visit the Linguistics Program website at https://sites.sju.edu/mcl/linguistics.

Linguistics in the GEP

These GEP requirements are fulfilled by the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 150</td>
<td>First Year Sem in Linguistics (Language, Communication and Culture)</td>
<td>3</td>
</tr>
<tr>
<td>LIN 150</td>
<td>First Year Sem in Linguistics (Language, Linguistics and the Real World)</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>LIN 250</td>
<td>Social Media Discourse (3 credits)</td>
</tr>
<tr>
<td>LIN 240</td>
<td>Symbolic Logic (3 credits)</td>
</tr>
<tr>
<td>LIN 220</td>
<td>Logic (3 credits)</td>
</tr>
<tr>
<td>LIN 201</td>
<td>English Grammar (3 credits)</td>
</tr>
<tr>
<td>LIN 200</td>
<td>Introduction to Linguistics (3 credits)</td>
</tr>
<tr>
<td>LIN 150</td>
<td>First Year Sem in Linguistics (3 credits)</td>
</tr>
</tbody>
</table>

Linguistics Program Director

- Dr. Jennifer Ewald

Faculty

- Dr. Elaine Shenk

Undergraduate Major

- Linguistics (p. 312)
LIN 260 Language and the Law (3 credits)
This course is an introduction to linguistic issues that influence interaction in a variety of legal contexts. It explores the role of language used in court cases and police investigations while paying special attention to particular discourse contexts such as courtroom talk, interpreter interactions and police interrogations/ interviews. Particular emphasis will be placed on recognizing and understanding ethical issues related to linguistic sources of disadvantage before the law for both educated and uneducated native speakers, minority speakers and non-native speakers of a given language. This course will help prepare students for careers in which a particular sensitivity to, and understanding of, the use of language is vital. By looking closely at areas studied by linguists, we will seek to uncover the role and the ethical nature of oral and written interactions that take place in the legal field. These linguistic issues affect the concept of justice as well as its application in the legal system and also influence how humans are perceived and, in turn, treated by those who apply the law (police officers, lawyers, judges, etc.). This course fulfills the GEP Ethics-Intensive overlay requirement; it also fulfills a requirement in the Sociology and Criminal Justice majors/minors. This course is open to students from all academic majors and there is no prerequisite.

Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

LIN 270 Topics in Linguistics (3 credits)
This course is an introduction to the study of how language is represented in the human mind and what processes are involved in language use, including producing, comprehending, and storing both spoken and written language. Together, we will explore questions such as the following: How do humans store and recognize words? How do we analyze speech? What processes are involved when we speak and read? We will study spontaneously-occurring speech errors and misperceptions and carry out experimental investigations on language production and comprehension. This course is open to students from all academic majors and there is no prerequisite.

Attributes: Undergraduate

LIN 280 Lang. Acquisition & Learning (3 credits)
Language, Acquisition, and Learning focuses on the study of existing approaches to explaining first and second language acquisition and learning. Drawing on current research in the field of linguistics, we will explore various aspects of language (e.g., negation, questions, references to the past) as well as particular factors (e.g., age, motivation, anxiety, personality, learner beliefs) that affect the acquisition and learning of specific languages. Paying particular attention to English language learning, we will devote significant course time to understanding L2 developmental sequences as they relate to theories of acquisition and learning based on social, psychological, and educational frameworks. Students will also be challenged to consider the relationship between their understanding of and experiences with language acquisition and learning as well as the relationship between language learning theories and language teaching. This course is open to students from all academic majors.

LIN 301 Teaching Lang at Home/Abroad (3 credits)
Teaching Language at Home and Abroad is an introduction to language teaching and is designed for students interested in teaching a second or foreign language for professional, academic or personal reasons. It will help prepare students to tutor or teach English as a second language (ESL), English as a foreign language (EFL), or other languages such as French, German, Italian, or Spanish in a variety of educational settings at home and abroad. In addition to a career in language teaching, other future opportunities might include teaching positions in community service ESL classes, the Peace Corps, or through grants/fellowships including Fulbrights, among others. In this course, we will explore topics such as language acquisition, teaching methods, materials preparation and assessment. This course is open to students from all academic majors.

Attributes: Undergraduate

LIN 317 Sociolinguistics (3 credits)
This course focuses on the use of language within its social context. In this course, we will gain an appreciation for the diversity that exists in human language and for the communicative values inherent in every language variety; scrutinize assumptions about linguistic identity and difference; examine issues of subordination and privilege in our own and others’ lives as related to issues of language; explore the relevance of social categories (e.g., class, age, gender, ethnicity, other social groups) as related to language variation; explore how sociolinguistic research informs policy decisions in classrooms and government legislation; and become familiar with data-collection and research methodologies used to investigate specific topics within the field of sociolinguistics. This course fulfills the GEP Social Science and the GEP diversity overlay requirements. It also counts for a Sociology major/minor. See SOC 317. This course is open to students from all academic majors and there is no prerequisite.

Attributes: Communication Studies ILC Crs, Diversity Course (New GEP), GEP Social Science, Undergraduate

LIN 318 Psycholinguistics (3 credits)
This course is an introduction to the study of how language is represented in the human mind and what processes are involved in language use, including producing, comprehending, and storing both spoken and written language. Together, we will explore questions such as the following: How do humans store and recognize words? How do we analyze speech? What processes are involved when we speak and read? We will study spontaneously-occurring speech errors and misperceptions and carry out experimental investigations on language production and comprehension. This course is open to students from all academic majors and there is no prerequisite.

Attributes: Communication Studies ILC Crs, Undergraduate
LIN 320 Phonetics (3 credits)
This course explores the repertory of sounds found in human language. As a field of study, phonetics includes three areas: (a) articulatory phonetics (how humans create speech sounds); (b) acoustic phonetics (how sounds are transmitted through the air); and (c) perceptual phonetics (how humans perceive sounds based on changes in air pressure). In this class we will focus primarily on the first area, along with an introduction to the second. To this end we will examine the anatomy of the human vocal tract to understand how speech sounds are created. We will also study the International Phonetic Association (IPA) transcription alphabet, create broad and narrow transcriptions, and practice producing and classifying sounds of various world languages. Time will also be spent on prosodic characteristics of human speech, including pitch, stress, tempo, and loudness. Finally, we will discuss how the study of phonetics is applied within fields such as Speech-Language Pathology (SLP), Teaching English to Speakers of Other Languages (TESOL), or teaching languages (e.g., Mandarin, French, Japanese, etc.). This course is open to student from all academic majors and there is no pre-requisite. This course counts for a major elective course toward the Autism Behavior Studies major, the Autism Studies minor, and IHS Area Studies.
Attributes: Undergraduate

LIN 330 Discourse, Style & Presupp (3 credits)
This course builds on Sociolinguistics. Here we examine issues of register, variety (dialect), discourse structure, style, presupposition. The student will be invited to (1) examine discourse samples to analyze presupposition, implications, and fallacies. The insights of argument structure will organize this approach.
Attributes: Undergraduate

LIN 340 Communication in Soc Contexts (3 credits)
Communication in Social Contexts analyzes how people communicate with each another in various social contexts. We will focus on recent research topics in discourse analysis and explore particular contexts of discourse such as that which takes place in the legal field (police interrogations; naturalization interviews); family interactions (homecoming routines; ventriloquizing); childhood settings (apologies, sporting events), the workplace (medicine, business, media) and the classroom (teacher-student, student-student, teacher-teacher interactions). Special attention will be given to classroom discourse, the area of applied linguistics research that investigates empirical linguistic data from classroom interaction. This course is open to student from all academic majors and there is no pre-requisite. This course fulfills the GEP Social Science requirement and counts for the American Studies minor.
Attributes: Communication Studies ILC Crs, GEP Social Science, Undergraduate

LIN 381 History of the Eng Language (3 credits)
A survey of the outer and inner history of the English language, from its Indo-European origins to its present American and world-wide use. The course will be based on modern linguistic methods and information. See ENG 381.
Attributes: Undergraduate

LIN 401 Bilingualism & Lang Diversity (3 credits)
This course is an exploration of bilingualism and linguistic diversity both within the U.S. and beyond its borders. Bilingualism is examined from both sociolinguistic and psycholinguistic perspectives, as we identify historical, geographical and socio-political issues that shape the identity of bilinguals in the U.S. who come from languages and cultures other than our own. In addition to examining the theoretical and methodological issues in bilingualism research, students will also engage this reality through community observations and interviews with representatives of the bilingual communities. This course is open to students from all academic majors and there is no prerequisite. This course fulfills the GEP Diversity overlay requirement.
Attributes: Diversity Course (New GEP), Undergraduate

LIN 470 Topics in Linguistics (3 credits)
The purpose of this course is to explore specific topics within the field of linguistics. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic.
Attributes: Undergraduate

LIN 474 Language and Thought (3 credits)
Rene Descartes held a view called “mind-body dualism”, according to which human persons are fundamentally thinking substances that are somehow causally linked to particular physical substances: bodies. One of his reasons for holding this view was that he believed that the human faculty of language could never, even in principle, be adequately explained by any purely physical description of things. Language, as he saw it, is evidence of mind, and indeed he believed that where language is absent, mind is also absent. Creatures without language are, in Descartes’ view, mindless organic automatons. Few today would defend Descartes’ view in all details, but the general sense that language is an important “mark of the mental” has not gone away. Instead, it has given rise to a cluster of narrower but interesting and important questions: Are certain kinds of mental states impossible without language? Does the specific language that we speak influence our thoughts in some way? Do our innate tendencies of thought force our languages to take certain forms? We could restate these questions in a somewhat different way. Does language hold thought on a leash? Does thought hold language on a leash? This course does not fulfill the GEP Philosophical Anthropology requirement. See PHL 474.
Attributes: Undergraduate

LIN 475 Language and Meaning (3 credits)
This course examines the core issues in the philosophy of language, including the nature of meaning, problems of reference, and the relation between language and thought. Further issues include the status of propositions, the problem of whether linguistic competence implies innate knowledge of some sort, the nature of metaphor, the private language problem, the indeterminacy of translation and language as symbolic capital. This course does not fulfill the GEP Philosophical Anthropology requirement. See PHL 475.
Attributes: Undergraduate
LIN 490 TESOL Internship (3 credits)
This course is a practicum in which the student applies his/her knowledge of Linguistics in a professional work environment. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Linguistics majors or TESOL minors who have completed the other course requirements.
Attributes: Undergraduate

LIN 491 Linguistics Internship (3 credits)
This course is a practicum in which the student applies his/her knowledge of Linguistics in a professional work environment. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Linguistics majors/minors who have completed the other course requirements.
Attributes: Undergraduate

LIN 493 Ind Research in Linguistics (3 credits)
This will allow the student to round out the major/minor with a supervised research project that will help expand the student’s interests and development.
Attributes: Undergraduate

LIN 494 Ind Research in Linguistics (3 credits)
This will allow the student to round out the major/minor with a supervised research project that will help expand the student’s interests and development.
Attributes: Undergraduate

LIN 496 Special Topics Transfer Course (3 credits)
LIN 497 Special Topics Transfer Course (3 credits)

Linguistics Major

Program Goals/Learning Objectives

Goal 1: Students will know what the field of linguistics is and understand how language works.

Objective 1.1: Identify the main areas of linguistic analysis by providing relevant examples and explaining how linguistic analysis is used to describe how language works.

Goal 2: Students will know how to perform linguistic research.

Objective 2.1: Conduct original linguistic research according to standards within the field.

Goal 3: Students will discuss linguistic topics and apply what they learn to real-life settings.

Objective 3.1: Communicate effectively in oral presentations and discussions on linguistic-related topics.

Objective 3.2: Analyze linguistic issues or problems (qualitatively or quantitatively) in real-life settings and formulate creative responses.

Goal 4: Students will be aware of and appreciate language differences that exist among speakers of the same or different languages in light of their own language background.

Objective 4.1: Identify particular aspects of linguistic beauty and creativity in their various forms (i.e., sounds, instances of lexical variation, acquisition stages, morphological irregularities, etc.).

Objective 4.2: Identify their own language beliefs and values as well as those of others and respectfully discuss linguistic differences that characterize speakers from various linguistic backgrounds.

The Linguistics Program, housed within the Department of Modern and Classical Languages, offers two majors and two minors.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies, 2. Ethics Intensive, and 3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

Major Requirements

Course requirements for the Linguistics Major include a general introduction to the field and at least one course in several of the main areas of linguistics (applied linguistics, sociolinguistics, psycholinguistics, phonetics, and pragmatics). Specific course requirements and options are listed below. Course requirements for the Linguistics Major-TESOL concentration include a general introduction to the field of linguistics, an English grammar course, a course on language acquisition, a language teaching methods course, phonetics, and a required internship in English language teaching.

Below are the requirements for each of these specializations. Please note that students may also choose to combine a major in Linguistics with a minor in TESOL (a total of at least 13 courses) or to complete
a double minor in both Linguistics and TESOL (a total of at least 9 courses). (Please contact Dr. Jennifer Ewald, jewald@sju.edu, for more information.)

1 Please note that students who are double majoring/minoring may count a maximum of 3 courses toward requirements in each area.

### Linguistics Major

10 courses

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>LIN 200</td>
<td>Introduction to Linguistics</td>
<td>3</td>
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</tbody>
</table>

Select one of the following Pragmatics options: 3

- LIN 260 Language and the Law
- LIN 250 Social Media Discourse
- LIN 340 Communication in Soc Contexts

Select one of the following Applied Linguistics options:

- LIN 280 Lang. Acquisition & Learning (Applied Linguistics options)
  or LIN 301 Teaching Lang at Home/Abroad

Select one of the following Sociolinguistics options: 3

- LIN 317 Sociolinguistics
- LIN 318 Psycholinguistics
- LIN 401 Bilingualism & Lang Diversity
- SOC 317 Sociolinguistics

Select one of the following Phonetics options: 3

- LIN 320 Phonetics
- SPA 466 Spanish Dialectology
- SPA 468 Spanish Phonetics & Phonology

Select any five additional courses from the following: 15

- Any LIN course
- ENG 381 History of the Eng Language
- PHL 220 Logic
- PHL 240 Symbolic Logic
- PHL 474 Language and Thought
- PHL 475 Language and Meaning
- SOC 260 Language and the Law
- SPA 375 Translation 1
- SPA 380 Intro to Spanish Linguistics 1
- SPA 460 A Ling Approach to Oral Com 1
- SPA 461 Methods for Teaching Spanish 1
- SPA 466 Spanish Dialectology 1
- SPA 467 Lang Contact & Pol in U.S. 1
- SPA 468 Spanish Phonetics & Phonology 1
- SPA 480 Topics in Spanish Linguistics 1

Select any three of the following ILC’s in consultation with the LIN Major advisor:

- EDU 151 Develop, Cognition, & Learning
- EDU 246 Literacy, Language and Culture
- ENG 206 Public Speaking & Presentation
- IHS 331 Statistics & Research Methods
- IHS 465 Intro:Autism Spectrum Disorder
- LAT 411 Advanced Latin Grammar
- PSY 120 Lifespan Development

### Linguistics Major-TESOL Concentration

10 courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>LIN 200</td>
<td>Introduction to Linguistics</td>
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<tr>
<td>LIN 201</td>
<td>English Grammar</td>
<td>3</td>
</tr>
<tr>
<td>LIN 280</td>
<td>Lang. Acquisition &amp; Learning</td>
<td>3</td>
</tr>
<tr>
<td>LIN 301</td>
<td>Teaching Lang at Home/Abroad</td>
<td>3</td>
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<tr>
<td>LIN 320</td>
<td>Phonetics</td>
<td>3</td>
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<tr>
<td>LIN 490</td>
<td>TESOL Internship</td>
<td>3</td>
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</tbody>
</table>

Select four of the following: 12

- Any LIN course
- EDU 246 Literacy, Language and Culture
- ENG 345 Tutor Prac, Writ Cntr Thry Pr
- ENG 381 History of the Eng Language
- PHL 220 Logic
- PHL 240 Symbolic Logic
- PHL 474 Language and Thought
- PHL 475 Language and Meaning
- SOC 260 Language and the Law
- SOC 317 Sociolinguistics
- SPA 375 Translation 1
- SPA 380 Intro to Spanish Linguistics 1
- SPA 460 A Ling Approach to Oral Com 1
- SPA 461 Methods for Teaching Spanish 1
- SPA 466 Spanish Dialectology 1
- SPA 467 Lang Contact & Pol in U.S. 1
- SPA 468 Spanish Phonetics & Phonology 1
- SPA 480 Topics in Spanish Linguistics 1

Select any three of the following ILC’s:

- MCL 101-MCL 302 2

- EDU 151 Develop, Cognition, & Learning
- ENG 206 Public Speaking & Presentation
- HIS 203 Historical Intro to Latin Am
- HIS 206 Historical Intro to East Asia
- HIS 207 Historical Intro to South Asia
- HIS 210 Historical Intro to Mod.Africa
- LAT 411 Advanced Latin Grammar

Please note that this course has a prerequisite (PSY 100 Introductory Psychology) and also requires the instructor’s permission for registration for non-PSY students. Students who are interested in taking PSY 222 should take PSY 100 to satisfy their GEP Social Science requirement.

3 MCL language courses beyond those used to satisfy the GEP language requirement (e.g., American Sign Language, Chinese, French, German, Greek, Italian, Latin, or Spanish).
Program Goals/Learning Objectives

Goal 1: Students will know what the field of linguistics is and understand how language works.

Objective 1.1: Identify the main areas of linguistic analysis by providing relevant examples and explaining how linguistic analysis is used to describe how language works.

Objective 1.2: Conduct original linguistic research according to standards within the field.

Goal 2: Students will know how to perform linguistic research.

Objective 2.1: Identify particular aspects of linguistic beauty and creativity in their various forms (i.e., sounds, instances of lexical variation, acquisition stages, morphological irregularities, etc.).

Objective 2.2: Identify their own language beliefs and values as well as those of others and respectfully discuss linguistic differences that characterize speakers from various linguistic backgrounds.

Goal 3: Students will discuss linguistic topics and apply what they learn to real-life settings.

Objective 3.1: Communicate effectively in oral presentations and discussions on linguistic-related topics.

Objective 3.2: Analyze linguistic issues or problems (qualitatively or quantitatively) in real-life settings and formulate creative responses.

Goal 4: Students will be aware of and appreciate language differences that exist among speakers of the same or different languages in light of their own language background.

Objective 4.1: Identify particular aspects of linguistic beauty and creativity in their various forms (i.e., sounds, instances of lexical variation, acquisition stages, morphological irregularities, etc.).

Objective 4.2: Identify their own language beliefs and values as well as those of others and respectfully discuss linguistic differences that characterize speakers from various linguistic backgrounds.

The Linguistics Program, housed within the Department of Modern and Classical Languages, offers two majors and two minors.

A student may minor in Linguistics by taking six courses:

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<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>LIN 200</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select five additional preapproved courses

Those approved include all courses taught in Linguistics (LIN) and some courses in English, French, Philosophy, Psychology, Sociology, and Spanish. Contact the Linguistics Program Director, Dr. Jennifer Ewald (jewald@sju.edu), for more information and visit the Linguistics Program website at http://www.sju.edu/int/academics/cas/linguistics/index.html.

Students who are interested in English language teaching may also want to consider adding a second minor in TESOL (Teaching English to Speakers of Other Languages). For more information, visit the TESOL website at http://www.sju.edu/majors-programs/undergraduate/minors/teaching-english-speakers-other-languages-tesol.
Visit the TESOL website (http://www.sju.edu/majors-programs/undergraduate/minors/teaching-english-speakers-other-languages-tesol) for more information. Students who minor in TESOL may also want to consider adding a second minor in Linguistics. For more information, contact Dr. Jennifer Ewald (jewald@sju.edu) and visit the Linguistics Program website (http://www.sju.edu/int/academics/cas/linguistics/index.html)

A TESOL minor consists of 6 courses (18 credits) including the following:

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<thead>
<tr>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>LIN 201</td>
<td>English Grammar</td>
<td>3</td>
</tr>
<tr>
<td>LIN 301</td>
<td>Teaching Lang at Home/Abroad</td>
<td>3</td>
</tr>
<tr>
<td>LIN 490</td>
<td>TESOL Internship¹</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select three of the following:</td>
<td>9</td>
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<tr>
<td>LIN 200</td>
<td>Introduction to Linguistics</td>
<td></td>
</tr>
<tr>
<td>LIN 150</td>
<td>First Year Sem in Linguistics</td>
<td></td>
</tr>
<tr>
<td>LIN 280</td>
<td>Lang. Acquisition &amp; Learning</td>
<td></td>
</tr>
<tr>
<td>LIN 320</td>
<td>Phonetics</td>
<td></td>
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<tr>
<td>LIN 340</td>
<td>Communication in Soc Contexts</td>
<td></td>
</tr>
<tr>
<td>LIN 317</td>
<td>Sociolinguistics</td>
<td></td>
</tr>
<tr>
<td>or LIN 401</td>
<td>Bilingualism &amp; Lang Diversity</td>
<td></td>
</tr>
<tr>
<td>EDU 246</td>
<td>Literacy, Language and Culture</td>
<td></td>
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</tbody>
</table>

¹ except in exceptional cases, students must complete 4 LIN courses, including LIN 301, before enrolling in this English language teaching internship.

As an increasingly interdisciplinary field, Linguistics is closely related to many other academic fields including Autism Studies, Classical and Modern Languages, Communication Studies, Computer Science, Criminal Justice, Education, English, Philosophy, Political Science, Psychology, Sociology, and TESOL. Students of Linguistics often pursue careers as clinical psychologists, educators, information technology specialists, lawyers, linguists, marketing and advertising consultants, social workers, speech pathologists, speech therapists, teachers, translators and interpreters. For that reason, several courses in other SJU programs count toward a major or minor in Linguistics while fulfilling requirements in their respective programs:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDU 246</td>
<td>Literacy, Language and Culture</td>
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<tr>
<td>ENG 381</td>
<td>History of the Eng Language</td>
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<tr>
<td>PHL 220</td>
<td>Logic</td>
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<td>PHL 240</td>
<td>Symbolic Logic</td>
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</tr>
<tr>
<td>PHL 474</td>
<td>Language and Thought</td>
<td>3</td>
</tr>
<tr>
<td>PHL 475</td>
<td>Language and Meaning</td>
<td>3</td>
</tr>
<tr>
<td>SOC 260</td>
<td>Language and the Law</td>
<td>3</td>
</tr>
<tr>
<td>SOC 317</td>
<td>Sociolinguistics</td>
<td>3</td>
</tr>
<tr>
<td>SPA 342</td>
<td>Advanced Spanish Grammar</td>
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</tr>
<tr>
<td>SPA 380</td>
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<td>SPA 468</td>
<td>Spanish Phonetics &amp; Phonology</td>
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<td>FRE/GRM/ITA 470</td>
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MATHEMATICS

Department Overview
The Department of Mathematics offers a B.S. degree in mathematics, a B.S. degree in actuarial science and a five-year B.S./M.S. program in mathematics and secondary mathematics education. The objective of the bachelor’s degree program in mathematics is to prepare students for professional careers in a variety of industries and for graduate programs leading to the M.S. and Ph.D. Students also may opt for advanced degrees in education, business administration, law, or medicine. A creative imagination is required for success.

Professor: David Hecker, Ph.D.; Kristopher Tapp, Ph.D.; Paul Klingsberg, Ph.D.; Sam Smith, Ph.D.; Sandra Fillebrown, Ph.D.
Associate: Rachel Hall, Ph.D.; Richard A. Cavaliere, Ph.D.; Tetyana Berezovski, Ph.D.
Assistant: Elaine Terry, Ph.D.; Hongjun Ha, Ph.D.; Rommel Regis, Ph.D.
Visiting: Greg Manco, Ph.D.; Patricia Bobo, M.S., A.S.A.; Robert Deliberato, FCAS, MAAA; Vivian M Evangelista

Chair: Smith

Undergraduate Major
- Bachelor of Science in Mathematics (p. 321)
- Five-Year Combined B.S. in Mathematics, M.S. in Secondary Mathematics Education Option (p. 325)

Undergraduate Minors
- Mathematics (p. 322)

Graduate Program
- Master of Science in Secondary Mathematics Educations (p. 322)

MAT 097 Logic (0 credits)
MAT 098 Algebra Review (0 credits)
MAT 099 Logic & Problem Solving (0 credits)
MAT 101 Mathematical Explorations I (3 credits)
For humanities majors, the course covers set theory and a number of its applications, topics from logic including propositions, truth tables, number systems, and elementary geometry. Other topics may be covered at instructor’s discretion. Satisfies GEP requirement for PLS students only. Open to PLS students only.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

MAT 102 Mathematical Explorations II (3 credits)
This is a second course for humanities majors. The course covers elementary probability, including independent and dependent events, conditional probability, binomial probability, and certain applications in a wide variety of situations. MAT 1015 is not required for MAT 102. Other topics may be covered at instructor’s discretion. Satisfies GEP requirement for PLS students only. Open to PLS students only.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

MAT 103 Quantitative Appl in Business (3 credits)
Topics in finite mathematics: matrices, solving linear systems, optimization using linear programming, simplex algorithm. Pre-calculus topics: linear, quadratic, exponential, and logarithmic functions and their graphs, mathematical models, and certain applications. Prerequisite: 2 years of high school algebra. Satisfies GEP requirement for PLS and HDC students only. Open to PLS and HDC students only.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

MAT 104 Calculus Appl in Business (3 credits)
Introduction to Calculus: mathematical models using polynomial, rational, exponential, and logarithmic functions, rates of change and the derivative, optimization using the derivative, and integration. Prerequisite: MAT 103 or Pre-Calculus Math. Satisfies GEP requirement for PLS students and HDC only. Open to PLS and HDC students only.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

MAT 105 Finite Math with Appl in Bus (3 credits)
MAT 106 Brief Business Calculus (3 credits)
MAT 107 Contemporary Topics in Math (3 credits)
This course is designed to enable the student to recognize, understand and apply various mathematical concepts and principles that are the foundation for many things that we take for granted in our everyday lives, such as Voting, Traveling, Finances, Government and the wonders of Nature. Satisfies GEP requirement for PLS students only. Open to PLS students only.
Attributes: Undergraduate

MAT 108 Exploration of Statistics (3 credits)
Descriptive statistics: histograms, mean and standard deviation, introduction to probability, the normal distribution, introduction to sampling and statistical inference, the central limit theorem, hypothesis testing.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

MAT 110 Fundamental Math for Educators (3 credits)
MAT 111 The Mathematics of Patterns (3 credits)
MAT 112 Math Model Middle Sch Teachers (3 credits)
MAT 118 Introduction to Statistics (3 credits)
Introduction to statistics and probability: measures of central tendency, variability, correlation, regression, chance and randomness, random variables, probability distributions, law of large numbers, central limit theorem. Students will be required to use a computer software package to solve various statistical problems. Designed for Social Science majors. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for this course and for MAT 128.
Attributes: Undergraduate

MAT 119 Applied Business Calculus (4 credits)
Review of mathematical models using polynomial, rational, exponential and logarithmic functions with business applications. Introduction to calculus including limits, rates of change and the derivative, optimization using the derivative, integration. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 123, MAT 155, or MAT 161.
Attributes: Undergraduate
MAT 120 The Mathematics of Modeling (3 credits)
Algebra: factoring, simultaneous equations, polynomial, rational, and exponential functions, binomial theorem, word problems. Trigonometry: basic functions, formulae, graphs. Analytic Geometry: straight line, circle, conic sections. This course does not fulfill the GEP Mathematics requirement.
Prerequisites: Math Placement with a score of MA120
Attributes: Undergraduate

MAT 121 Math Modeling for MS Teachers (3 credits)
Designed for students who will become middle school teachers, this course will explore mathematical topics in the context of building of building models to solve problems. The emphasis will be on using multiple representations to develop mathematical models that describe some phenomena and learning the mathematical techniques necessary for working with the model in order to use effectively to answer questions about the situation being modeled. Students will interpret results given the context of the model and develop their communication skills for explaining mathematics. This course does not fulfill the GEP Mathematics requirement.

MAT 123 Differential Calculus (3 credits)
Review of mathematical models using polynomial, rational, exponential and logarithmic functions with business applications Introduction to differential calculus including limits, rates of change and the derivative, optimization using the derivative. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 119, MAT 155 or MAT 161.

MAT 128 Applied Statistics (3 credits)
Introduction to statistics and probability: design of a study, measures of central tendency, variability, correlation, regression; probability, random variables, probability distributions, central limit theorem; inferential statistics, hypothesis testing, etc. Students will be required to use a computer software package to solve various statistical problems. Data analysis projects will be assigned. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for MAT 118.
Attributes: Undergraduate

MAT 130 Whole Truth about Whole Number (3 credits)
This course involves studying properties of natural numbers and integers. Topics include divisibility, prime numbers, the Euclidean Algorithm and the RSA Encryption system for putting messages into code. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 131 Linear Methods (3 credits)
This course studies basic properties and applications of matrices and vectors. Then, matrices and vectors will be used in a variety of applications, including vector geometry, elementary graph theory, solving word problems involving systems of linear equations, least-squares functions, and geometric transformations. The course also covers some topics in basic logic, including logical operators, the conditional, truth tables, quantifiers, and syllogisms. Students in this course will be required to have a graphing calculator that can perform standard matrix operations. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 132 Math of Games & Politics (3 credits)
This course will focus on both computational and theoretical aspects of probability theory, game theory and social choice theory. Topics include expected value, counting methods and conditional probability, dominant strategies, combinatorial games, Nash equilibria, social dilemmas and, for zero sum games, saddle points and the Minimax theorem. Social choice theory topics include voting methods, weighted voting, fairness criteria and impossibility theorems. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 134 Math of Uncertainty:Rules/Prob (3 credits)
This course provides students with an in-depth introduction to probability and its many real-life applications. Students will study counting techniques including permutations, combinations, binomial coefficients, occupancy problems and runs within random orderings and will prove combinatorial identities. Students will study topics in probability including sample spaces, DeMorgan's Laws, conditional probability, independent events, Bayes Theorem, random variables and expected value. Students will examine many of the classical problems in probability theory including Prisoner's Dilemma, Gambler's Ruin and the Birthday Problem as well as lotteries, card games and random walks. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate
MAT 135 Sounding Number: Music & Math (3 credits)
Music has many connections to mathematics. The ancient Greeks discovered that chords with pleasing sounds are related to simple ratios of integers. Other connections include equations describing the sounds of musical instruments, the mathematics of digital recording, the use of symmetry in composition, and the systematic exploration of patterns by African and Indian drummers. This course introduces basic concepts in trigonometry, set and group theory, and combinatorics and investigates their applications in the analysis, recording, and composition of music. Along the way, we consider the role of creativity in mathematics and the ways in which mathematics has inspired musicians. The course will involve hands-on laboratory work in audio engineering and music composition. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 136 Mathematics & Visual Arts (3 credits)
This course will explore connections between mathematics and the arts. Mathematics - itself an aesthetic endeavor - has made fundamental contributions to art history and continues to be a source of inspiration to many contemporary artists. We will begin with the study of mathematical perspective, and of optical devices, such as the camera obscura, which assisted artists and illustrators in depicting the world around them. At the beginning of the twentieth century, artists turned to non-Euclidean geometries and higher dimensional spaces for inspiration and to break free from the constraints of linear perspective. We will take some time to understand these geometries as well. The remaining topics will be chosen according to the interests and talents of the students in the course. Possibilities include fractals, math and music, math and architecture, and advanced perspective topics. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 137 Ethnomathematics (3 credits)
This course aims to strengthen and expand students’ understanding of fundamental mathematics – number systems, arithmetic, geometry, combinatorics, and mathematical reasoning – through study of the mathematics of world cultures. In addition, the course is designed to explore the connections between mathematics and the arts, to engage students’ imagination and creativity, and to increase the diversity of offerings in the mathematics classroom. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 138 Symmetry (3 credits)
"Symmetry" is a ubiquitous concept in modern mathematics and science. Certain shapes and images seem more symmetric than others, yet is not immediately obvious how to best measure and understand an object’s symmetry. In fact, the quest to more precisely quantify the concept of symmetry has been a driving force in science and mathematics, and will form the central theme of this course. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 139 Mathematics, Culture & Society (3 credits)
The course considers the relationship of mathematics to other areas of human thought and culture and to the society in which it develops. Several periods in the history of mathematics will be considered, from the beginnings of mathematics to modern times. This course fulfills the GEP Mathematics Requirement. Students may NOT receive credit for both this course and for MAT 150 – Art, Poetry, Mathematics and Society (First Year Seminar).
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 150 First Year Seminar (3 credits)

MAT 155 Fundamentals of Calculus (3 credits)
This course covers the fundamentals of differential calculus (limit, continuity, and the derivative) and introduces the definite integral and its connection to the antiderivative. In addition, we discuss the historical roots of calculus and the challenges faced in establishing a rigorous logical foundation for its concepts. This course fulfills the GEP Mathematics Requirement. Prerequisite: MAT 120 or adequate performance on calculus readiness test. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 119, MAT 123 or MAT 161
Prerequisites: MAT 120 or Math 155 Placement with a score of 1 or Math 161 Placement with a score of 1 or Math Placement with a score of MA155
Attributes: Math Beauty (New GEP), Undergraduate

MAT 156 Applied Calculus II (3 credits)
This course covers the definite integral, techniques of integration, solving differential equations and the calculus of several variables. The emphasis is on applications to the Business and Social Sciences. Prerequisite: MAT 155 or MAT 161. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for MAT 162.
Prerequisites: (MAT 1251 or MAT 1255 or MAT 155 or MAT 161 or MAT 1351)
Attributes: Undergraduate
MAT 161 Calculus I (4 credits)
Limits; slopes, rates of change and the derivative; techniques of differentiation; implicit differentiation; derivatives of transcendental functions; related rates; linear approximation; L’Hospital’s Rule; the Mean Value Theorem; applications of differentiation (including curve sketching and optimization); introduction to integration; the Fundamental Theorem of Calculus. This course fulfills the GEP Mathematics Requirement. Prerequisite: MAT 120 or adequate performance on calculus readiness test. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 119, MAT 123 or MAT 155. 
Prerequisites: MAT 120 or Math 161 Placement with a score of 1 or Math Placement with a score of MA161
Attributes: Math Beauty (New GEP), Undergraduate

MAT 162 Calculus II (4 credits)
Techniques of integration; applications of integration; improper integrals; exponential growth; infinite sequences and series; power series and Taylor series. Prerequisite: a grade of C or better in MAT 161 or permission of department. This course fulfills the GEP Mathematics Requirement. Students may NOT receive credit for both this course and for MAT 156. 
Prerequisites: MAT 161 or Math 161 Placement with a score of 1 or Math Placement with a score of MA162
Attributes: Math Beauty (New GEP), Undergraduate

MAT 162 Calculus II (4 credits)
Techniques of integration; applications of integration; improper integrals; exponential growth; infinite sequences and series; power series and Taylor series. Prerequisite: a grade of C or better in MAT 161 or permission of department. This course fulfills the GEP Mathematics Requirement. Students may NOT receive credit for both this course and for MAT 156. 
Prerequisites: MAT 161 or Math 161 Placement with a score of 1 or Math Placement with a score of MA162
Attributes: Math Beauty (New GEP), Undergraduate

MAT 180 Theory of Numbers (3 credits)
Division Algorithm; Mathematical induction; Euclidean algorithm; fundamental theorem of arithmetic; linear Diophantine equations; modular arithmetic; number theoretic functions; prime numbers; Fermat’s last theorem; quadratic residues, primitive roots, Chinese Remainder theorem. This course fulfills the GEP Mathematics requirement but is at a more advanced level that courses in the MAT 130 - MAT 139 range. 
Attributes: Math Beauty (New GEP), Undergraduate

MAT 213 Calculus III (4 credits)
Vector geometry in R2 and R3; polar coordinates; introduction to the calculus of vector-valued functions (velocity, speed, acceleration, curvature, parametric equations); differentiation of functions of several variables (partial derivatives, the differential, chain rules, directional derivatives); applications of differentiation (linear approximation, optimization, the method of Lagrange multipliers); integrals of functions of several variables; applications of integration. Also, if time permits, cylindrical and spherical coordinates; some surface integrals; the Change of Variable theorem. This course fulfills the GEP Mathematics Requirement. Prerequisite: a grade of C or better in MAT 162 or permission of department chairperson. 
Prerequisites: MAT 1361 or MAT 162
Attributes: Math Beauty (New GEP), Undergraduate

MAT 226 Introduction to Linear Algebra (4 credits)
Linear systems, vector spaces, dimension, linear transformations, matrices, inner product, orthogonality, characteristic polynomials, diagonalization, eigenvalues, and eigenvectors. Prerequisite: MAT 225 or permission of the chair of Mathematics. 
Prerequisites: (MAT 1371 or MAT 1375) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 231 The Mathematics of Music (3 credits)
Music has many connections to mathematics. The ancient Greeks discovered that chords with a pleasing sound are related to simple ratios of integers. The mathematics of rhythm has also been studied for centuries—in fact, ancient Indian writers discovered the celebrated Fibonacci sequence in the rhythms of Sanskrit poetry. Other connections between math and music investigated in this course include the equations describing the sounds of musical instruments, the mathematics behind digital recording, the use of symmetry and group theory in composition, the exploration of patterns by African and Indian drummers, the application of chaos theory to modeling the behavior of melodies, and the representation of chords by exotic geometric objects called orbifolds. Along the way, we discuss the role of creativity in mathematics and the ways in which mathematics has inspired musicians. Prerequisite: MAT 162 and some musical training (ART 1511 or equivalent). Students with exceptional performance in Calculus I (or AP) and musical training will be admitted on a case-by-case basis as determined by the chair of Mathematics. 
Prerequisites: (MAT 162 or MAT 1361) and (ART 151 or ART 1511)
Attributes: Math Beauty (New GEP), Undergraduate

MAT 233 History of Mathematics (3 credits)
Development of mathematical ideas over 2500 years, beginning with Greek geometry and including Euclid, Archimedes, Newton, Euler, Gauss, and Poincare. Prerequisite: MAT 213 or permission of the chair of Mathematics. 
Prerequisites: MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 234 Differential Equations (3 credits)
Solution of ordinary differential equations using analytic, numerical, and qualitative techniques. Modeling via differential equations, systems of differential equations. Laplace transforms; discrete dynamical systems. Use of a computer software package is required. Prerequisite: MAT 213 or equivalent. 
Prerequisites: MAT 1371 or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 239 Problem Solving (3 credits)
The course is designed to involve students in an active way in the mathematical process by having them participate in the major activity of both pure and applied mathematics: the solving of problems. Problems will be chosen from many areas of mathematics, and an attempt will be made to develop general approaches to and general paradigms for problem solving. Prerequisite: MAT 225. 
Prerequisites: MAT 1431 or MAT 180
Attributes: Math Beauty (New GEP), Undergraduate
MAT 240 Advanced Calculus (4 credits)
This course covers three main groups of topics. I) Calculus of functions from R^n to R^k: Differentials, Inverse Function Theorem, Implicit Function Theorem, Jacobian, change of variables. II) Vector calculus. Vector fields, line and surface integrals, Green's Theorem, Stokes's Theorem, the Divergence Theorem. III) Sequences and series of functions. Pointwise and uniform convergence; continuity, differentiation and integration of sequences and series; Fourier series; Taylor series for functions of several variables. Prerequisite: MAT 213 or equivalent.
Prerequisites: MAT 213 or MAT 1371
Attributes: Math Beauty (New GEP), Undergraduate

MAT 293 Mathematical Symmetry (3 credits)

MAT 311 Numerical Analy & Comp Tech (3 credits)
An introduction to numerical methods for solving a variety of problems. Included will be rootfinding, numerical integration and differentiation, polynomial approximation, systems of equations, ordinary differential equations, and discussion of convergence issues, error analysis and machine arithmetic. Prerequisite: MAT 213. Concurrent enrollment in or prior completion of MAT 226 would be beneficial.
Prerequisites: (MAT 1371 or MAT 1391) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 313 Mathematical Optimization (3 credits)
The course covers basic ideas in optimization beginning with linear programming, the simplex method and duality and finishes with non-linear optimization and algorithms and conditions leading to a solution of non-linear problems. Prerequisite: MAT 226 or permission of the chair of Mathematics.
Prerequisites: MAT 1391 or MAT 226 or MAT 1461
Attributes: Math Beauty (New GEP), Undergraduate

MAT 316 Operations Research (3 credits)
The course will cover some of the basic models and techniques used in operations research. Topics include: linear programming, the simplex method, duality, network problems, transportation problems, and time permitting, game theory. Prerequisite: MAT 226 or permission of the chair of Mathematics.
Prerequisites: MAT 1461 or MAT 226 or MAT 1391
Attributes: Math Beauty (New GEP), Undergraduate

MAT 321 Probability (3 credits)
The first part of a two-semester sequence, this course includes discrete probability and counting methods, conditional probability and independence, Bayes' Theorem, discrete and continuous random variables, expectation, variance, moment-generating functions, special probability distributions, joint distributions, marginal and conditional distributions, independent random variables, covariance and correlation, conditional expectations, and distributions of functions of random variables. Co-requisite: MAT 213.
Prerequisites: (MAT 1371 or MAT 1391) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 322 Mathematical Statistics (3 credits)
Random samples, statistics and sampling distributions, the Central Limit Theorem, point and interval estimation, hypothesis testing (one-sample and two-sample tests), analysis of variance, correlation, regression analysis and Chi Square goodness of fit and other nonparametric methods. Applications. Data analysis projects will be assigned.
Prerequisite: MAT 321
Prerequisites: MAT 2211 or MAT 321
Attributes: Undergraduate

MAT 332 Geometry (3 credits)
Prerequisites: MAT 225 or MAT 1391
Attributes: Math Beauty (New GEP), Undergraduate

MAT 334 Combinatorics & Graph Theory (3 credits)
Introduction to combinatorics and graph theory and to methods by which each theory is applied to the other. Topics include basic counting formulas; generating functions; the principle of inclusion-exclusion; counting labeled trees (Cayley's Theorem, Kirchhoff's Theorem, Prüfer's Theorem); directed Euler circuits; Pólya-deBruijn theory; Möbius inversion. Prerequisite: MAT 162.
Prerequisites: MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 336 Logic & Foundations (3 credits)
Cantorian set theory and the crisis in foundations (Cantor's paradox, Russell's paradox); the intuitionist challenge and the formalist response; formal logic and meta mathematics (Propositional Calculus, Predicate Calculus, formal number theory); Goedel's incompleteness theorems of 1931. Prerequisite: MAT 162.
Prerequisites: MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 403 Abstract Algebra (3 credits)
Group theory, including finite groups, subgroups, cyclic groups, permutation groups, group isomorphisms, and cosets; introduction to rings and fields, including integral domains, polynomial rings, unique factorization domains and Euclidean domains. Prerequisite: MAT 225.
Prerequisites: (MAT 1431 or MAT 1571) or MAT 180
Attributes: Undergraduate

MAT 404 Abstract Algebra II (3 credits)
A more in-depth treatment of rings and fields including integral domains, fields, field extensions, homomorphisms, and the insolvability of the quintic by radicals. Galois theory. Prerequisite: MAT 403.
Prerequisites: MAT 2031 or MAT 403
Attributes: Math Beauty (New GEP), Undergraduate

MAT 409 Real Analysis (3 credits)
Elementary topology of Euclidean spaces, including open, closed and compact sets; convergence of sequences and series; least upper bound axiom and its equivalents; sequences of functions, pointwise and uniform convergence, continuity, differentiation and integration of sequences. Topics which overlap MAT 240 will be covered in more depth in this course. Prerequisite: MAT 213 and 225.
Prerequisites: MAT 1371 or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 410 Complex Analysis (3 credits)
Analytic functions; complex integration; singularities. Prerequisite: MAT 240, MAT 409, or permission of the chair of Mathematics.
Prerequisites: MAT 2091 or MAT 409
Attributes: Math Beauty (New GEP), Undergraduate

MAT 415 Differential Geometry (3 credits)
Tangent vectors and directional derivatives; mappings and differential forms on E3; Frenet fields; covariant derivatives; frame fields; Cartan structural equations; orientation; Euclidean geometry; surfaces in R3; calculus on surfaces; integration of forms; shape operators; normal and Gaussian curvature; geometry of surfaces. Prerequisite: MAT 409.
Prerequisites: (MAT 1371 or MAT 1391) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate
MAT 418 Topology of Point Sets (3 credits)
Open and closed sets, closure and interior, continuity, metric spaces, connectivity, compactness; the Heine- Borel and Bolzano-Weierstrass Theorems. The Classification of Surfaces may also be covered. Prerequisite: MAT 409 or equivalent.
Prerequisites: MAT 409 or MAT 2091 or MAT 2093
Attributes: Undergraduate

MAT 423 Applied Statistical Methods (3 credits)
Statistical models, design and analysis of experiments, regression, Monte Carlo methods, and other advanced topics in statistics. Prerequisites: MAT 1261 or MAT 156 or MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 491 Mathematics Internship (3 credits)
The course goals are: to gain first-hand experience of the daily activities of professionals in mathematics and related fields, to verify an interest in a particular area of mathematics, to develop and hone skills required for mathematical professions, to establish contacts outside the academic community who will facilitate a career in mathematics. An internship journal and an academic paper are also required.

MAT 492 Mathematics Internship II (3 credits)
The course goals are: to gain first-hand experience of the daily activities of professionals in mathematics and related fields, to verify an interest in a particular area of mathematics, to develop and hone skills required for mathematical professions, to establish contacts outside the academic community who will facilitate a career in mathematics. An internship journal and an academic paper are also required.

MAT 493 Independent Research (3 credits)
Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research (6 credits) Must be elected in junior year to allow adequate research time. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register. Honors Students must complete this sequence.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 494 Independent Research (3 credits)
Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research (6 credits) Must be elected in junior year to allow adequate research time. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register. Honors Students must complete this sequence.
Attributes: Math Beauty (New GEP), Undergraduate

Mathematics B.S.

Learning Goals and Objectives for the B.S. in Mathematics

Goal 1: Students will gain a general knowledge of the field of mathematics including knowledge of the application of mathematics to other fields.

Objective 1.1: Students will know the mathematical theory underlying fundamental developments in mathematics.

Objective 1.2: Students will understand and be able to communicate the nature of proof and the sequence of observing examples, making conjectures and proving or disproving mathematical statements in a variety of mathematical disciplines

Objective 1.3: Students will have knowledge of the diverse branches of mathematics.

Objective 1.4: Students will have knowledge of areas closely related to mathematics including Computer Science and at least one branch of the Natural Sciences.

Goal 2: Students will master specific skills in mathematics.

Objective 2.1: Students will be able to perform basic computations such as calculating derivatives, integrals and various operations with matrices.

Objective 2.2: Students will be able to identify and apply the appropriate method to solve a specific mathematical problem.

Objective 2.3: Students will be able to identify and apply the appropriate proof technique to prove a mathematical statement.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses
Open ILC courses:
Any two additional CAS courses that relate to the major. Advisor and Chair approval required in advance.

GEP Electives
Seven courses

Major Requirements
Major Concentration
Fourteen courses

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<th>Code</th>
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<tr>
<td>MAT 162</td>
<td>Calculus II</td>
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<tr>
<td>MAT 213</td>
<td>Calculus III</td>
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<td>MAT 225</td>
<td>Fundamental Ideas of Math</td>
<td>3</td>
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<td>MAT 226</td>
<td>Introduction to Linear Algebra</td>
<td>4</td>
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<tr>
<td>MAT 403</td>
<td>Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAT 409</td>
<td>Real Analysis</td>
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one elective chosen from:

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<td>MAT 410</td>
<td>Complex Analysis</td>
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<td>MAT 415</td>
<td>Differential Geometry</td>
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<tr>
<td>MAT 418</td>
<td>Topology of Point Sets</td>
<td></td>
</tr>
</tbody>
</table>

Teacher Certification for Secondary Schools
Advisor
Dr. Tetyana Berezovski

Students who are pursuing Secondary Teacher Certification in Mathematics and who do not want to pursue a graduate degree, double major in Mathematics and Secondary Education. Their primary major is Mathematics. If they complete their student teaching during their senior year, they are exempt from one of the mathematics elective courses required for the Mathematics major. For more information on this option and the required courses, consult the department's web page, the Secondary Education sequence listed in the Education section of the Catalog, and consult with the Departmental advisor.

Actuarial Science
Actuarial Science is an inter-college major with combined coursework from the Haub School of Business and the College of Arts and Sciences. Please see the separate major listing "Actuarial Science" at the beginning of the College of Arts and Sciences section of this catalogue. A minor in Actuarial Science is also available.

Overlapping Course Groupings
MATH Students may not take overlapping courses for credit. Please note the following five overlapping course groupings.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 106</td>
<td>Brief Business Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MAT 119</td>
<td>Applied Business Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MAT 123</td>
<td>Differential Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

MAT 155 Fundamentals of Calculus 3
MAT 161 Calculus I (formerly MAT 106) 4
Group 2
MAT 156 Applied Calculus II 3
MAT 162 Calculus II 4
Group 3
MAT 118 Introduction to Statistics 3
MAT 128 Applied Statistics 3
Group 4
MAT 225 Fundamental Ideas of Math 3
Group 5
MAT 139 Mathematics, Culture & Society 3
MAT 150 First Year Seminar (Art, Poetry, Mathematics and Society) 3

Mathematics Minor
Advisor
Dr. Klingsberg

With the approval of the department, students may minor in mathematics. Upon acceptance, they will be assigned an advisor within the department who will assist the students in selecting courses appropriate for their area of interest.

Learning Goals and Objectives for the minor in Mathematics

Goal 1: Students will gain a general knowledge of the field of mathematics including knowledge of the application of mathematics to other fields.

Objective 1.1: Students will know the mathematical theory underlying fundamental developments in mathematics.

Objective 1.2: Students will understand the nature of mathematical proof.

Objective 1.3: Students will gain knowledge of applications of mathematics to other fields.

Goal 2: Student will master specific skills in mathematics.

Objective 2.1: Students will be able to perform basic computations from calculus such as derivatives and integrals.

Objective 2.2: Students will be able to identify and apply the appropriate method to solve a specific mathematical problem.

Students desiring a minor in mathematics must take or receive AP credit for six courses at the level of MAT 161 or higher. The course being used to satisfy the GEP math requirement may not be used toward the minor. The grade in each course must be C+ or better, or the average of the six classes must be at least 2.7.

Secondary Mathematics Education M.S.
Graduate Arts and Sciences
Tetyana Berezovski, Ph.D., Director
Five-year Mathematics Education Program
Barbelin Hall 237
**Program Description**

The combined B.S/M.S. program in mathematics and secondary mathematics education offers students the opportunity to complete both an undergraduate major in mathematics and an M.S. in Mathematics Education, and obtain Commonwealth of Pennsylvania Secondary Teacher Certification in Mathematics. The curriculum emphasizes the unique character of mathematics learning theory, technology, and techniques for effective teaching in the discipline. The program strengthens traditional certification programs by incorporating a research experience.

**Admission Requirements and Procedures**

The five-year program is open only to undergraduate mathematics majors at Saint Joseph's. Students will be evaluated for acceptance into the program after the completion of the first semester of their junior year. Applicants must complete the standard graduate admissions application, including a complete undergraduate transcript, two letters of recommendation, and a personal essay describing the student’s goals by April 15 of the junior year. A cumulative grade point average of 3.0 or better is required.

**Program Goals and Objectives**

Students in the Five-year BS/MS in Mathematics and Mathematics Education Program complete all requirements of the undergraduate Mathematics major in the first four years and all requirements of the Secondary Education major by the end of the fifth year. In addition to the goals and objectives for those two programs, students in the 5-Yr Math and Math Education program will meet the following.

**Goal 1**: Students will demonstrate knowledge of the mathematical content required for teaching secondary mathematics.

**Objective 1.1**: Students will know how to solve mathematical problems using multiple representations and using multiple mathematical approaches.

**Objective 1.2**: Students will understand the nature of proof and the sequence of observing examples, making conjectures and proving or disproving mathematical statements in a variety of mathematical disciplines.

**Goal 2**: Students will be able to plan and align curriculum and assessment according to Pennsylvania State standards, Common Core State Standards and the standards put forth by the National Council of Teachers of Mathematics.

**Objective 2.1**: Students will be aware of current issues in and the evolving nature of mathematics education including the use of technology.

**Objective 2.2**: Students will be able to draw on a variety of resources including the research literature in mathematics education to enhance their teaching and examine curricular change.

Students must complete all requirements for the undergraduate B.S. in Mathematics as described in the Undergraduate Catalog. To receive the M.S. in Mathematics Education, students must take an additional 30 credits at the graduate level in Education or Mathematics Education during the following summer and academic year. Graduate coursework must include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 793</td>
<td>Research in Math Education I</td>
<td>3</td>
</tr>
<tr>
<td>or MED 783</td>
<td>Research in Mathematics I</td>
<td></td>
</tr>
<tr>
<td>EDU 697</td>
<td>Secondary Student Teaching</td>
<td>6</td>
</tr>
<tr>
<td>EDU 616/616F</td>
<td>Instruct Techniques - Math</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>Select six MED or EDU graduate level courses</td>
<td>18</td>
</tr>
</tbody>
</table>

**Required Undergraduate Coursework**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 150/150F</td>
<td>Schools in Society-Fr Seminar</td>
<td>3</td>
</tr>
<tr>
<td>or EDU 160/160F</td>
<td>Schools in Society</td>
<td></td>
</tr>
<tr>
<td>EDU 157/157F</td>
<td>Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>SPE 160/160F</td>
<td>Intro to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPE 203/203F</td>
<td>Tchng Adolescents Inclus Envir</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Coursework (Undergraduate or Graduate)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 246/246F</td>
<td>Literacy, Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>or EDU 646/646F</td>
<td>Language and Culture</td>
<td></td>
</tr>
<tr>
<td>EDU 247</td>
<td>Literacy in the Content Areas</td>
<td>3</td>
</tr>
<tr>
<td>or EDU 647</td>
<td>Literacy &amp; Learn Across Curric</td>
<td></td>
</tr>
<tr>
<td>SPE 310/310F</td>
<td>Assessment &amp; Progress Monitor</td>
<td>3</td>
</tr>
<tr>
<td>or SPE 602/602F</td>
<td>DiagnosticAsses/ProgressMon</td>
<td></td>
</tr>
</tbody>
</table>

**Required Coursework in Mathematics (Undergraduate)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 321</td>
<td>Probability</td>
<td>3</td>
</tr>
<tr>
<td>MAT 322</td>
<td>Mathematical Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Coursework in Mathematics (Undergraduate or Graduate)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 233</td>
<td>History of Mathematics 2</td>
<td>3</td>
</tr>
<tr>
<td>or MED 551</td>
<td>History of Mathematics 2</td>
<td></td>
</tr>
<tr>
<td>MAT 332</td>
<td>Geometry 2</td>
<td>3</td>
</tr>
<tr>
<td>or MED 554</td>
<td>Geometry 2</td>
<td></td>
</tr>
</tbody>
</table>

**Certification Exams**

Specialty Area Test of Praxis

1 Courses taken as mathematics electives as part of the major requirements
2 MED courses may be used to satisfy requirements of the undergraduate mathematics major only with the approval of the Department Chairperson

**M.S. Program in Secondary Mathematics Education (without certification)**

Tetyana Berezovski, Ph.D., Director
Secondary Mathematics Education Program
Barbelin Hall 237
610-660-1554
tberezov@sju.edu
Program Description
The M.S. program in secondary mathematics education offers students the opportunity to complete a graduate degree emphasizing both mathematical content knowledge and mathematical pedagogical knowledge. Students are required to complete course work in both areas and have the option of incorporating a research experience. Designed for in-service teachers, the program aims to increase the mathematical knowledge needed for teaching at the secondary level and to support teachers’ growth as reflective practitioners.

The art of imparting mathematical knowledge to others can be traced back to ancient Greek and Babylonian culture. Teachers and students worked together on clay tablets, with sticks and rocks to solve practical mathematical problems encountered in daily living. Today mathematics has grown into a science that does much more than solve practical problems. This evolution has forced educators to rethink the way they teach mathematics. It is clear that changes in pedagogy have been and continue to be necessary for the sustained advancement of the science of mathematics. Thus the mission of the program leading to the degree of Science in Secondary Mathematics Education emphasizes both the acquisition of mathematical knowledge as well as innovative techniques for instruction.

Program Description
The M.S. program in secondary mathematics education offers students the opportunity to complete a graduate degree emphasizing both mathematical content knowledge and mathematical pedagogical knowledge. Students are required to complete course work in both areas and have the option of incorporating a research experience.

Learning Goals and Objectives

Goal 1: Students will demonstrate knowledge of the mathematical content required for teaching secondary mathematics.

Objective 1.1: Students will know how to solve mathematical problems using multiple representations and using multiple mathematical approaches.

Objective 1.2: Students will understand the nature of proof and the sequence of observing examples, making conjectures and proving or disproving mathematical statements in a variety of mathematical disciplines.

Goal 2: Students will be able to plan and align curriculum and assessment according to Pennsylvania State standards, Common Core State Standards and the standards put forth by the National Council of Teachers of Mathematics.

Objective 2.1: Students will be able to critically assess mathematics curricula.

Objective 2.2: Students will be able to use a variety of pedagogical approaches and assessment tools in their teaching of mathematics.

Objective 2.3: Students will be aware of current issues in and the evolving nature of mathematics education including the use technology.

Objective 2.4: Students will be able to draw on a variety of resources including the research literature in mathematics education to enhance their teaching.

Admission Requirements and Procedures
The MS Program in Secondary Mathematics Education is designed for practicing mathematics teachers but is open to anyone with a sufficiently strong background in mathematics and education. Typically we require a BS in a STEM discipline (science, technology, engineering or math); however, we would consider applicants with an undergraduate degree in any field with appropriate teaching experience in mathematics. In addition, students who have not had Calculus I, II and III would be required to take these courses before being fully admitted.

Applicants must complete the standard graduate admissions application, including all undergraduate and graduate transcripts, two letters of recommendation, and a personal essay describing the student’s goals.

Program Structure and Curriculum
Students are required to complete 30 credits; usually ten 3-credit courses but other combinations are possible. Students must complete at least 6 credits (2 courses) from the list of MED Content Courses and at least 6 credits (2 courses) from the list of MED Pedagogy Courses. The remaining 18 credits (6 courses) may be any combination of MED courses. In addition, with permission of the program director, up to 6 of these 18 credits (2 of the 6 courses) may be taken in Teacher Education (EDU), Special Education (SPE) or Educational Leadership (EDL). All research courses are arranged as independent studies with faculty mentors.

Content Courses
Offered every two years on a rotating basis:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 551</td>
<td>History of Mathematics (Fall, odd years)</td>
<td>3</td>
</tr>
<tr>
<td>MED 552</td>
<td>Number Theory (Fall, even years)</td>
<td>3</td>
</tr>
<tr>
<td>MED 553</td>
<td>Discrete Structures (Fall, odd years)</td>
<td>3</td>
</tr>
<tr>
<td>MED 554</td>
<td>Geometry (Fall, even years)</td>
<td>3</td>
</tr>
<tr>
<td>MED 555</td>
<td>Probability &amp; Statistics (Fall, odd years)</td>
<td>3</td>
</tr>
<tr>
<td>MED 556</td>
<td>Linear Algebra (Summer, even years)</td>
<td>3</td>
</tr>
<tr>
<td>MED 557</td>
<td>Abstract Algebra (Summer, odd years)</td>
<td>3</td>
</tr>
<tr>
<td>MED 559</td>
<td>Mathematical Problem Solving (Spring, even years)</td>
<td>3</td>
</tr>
</tbody>
</table>

Offered when there is demand:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 604</td>
<td>Adv Perspect on Secondary Math</td>
<td>3</td>
</tr>
<tr>
<td>MED 605</td>
<td>Interdisciplinary Math &amp; Sci Edu</td>
<td>3</td>
</tr>
<tr>
<td>MED 771</td>
<td>Topics in Mathematics</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Pedagogy Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 601</td>
<td>Commun &amp; Tech in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MED 602</td>
<td>Secondary Math Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>MED 603</td>
<td>Assessment in Secondary Math</td>
<td>3</td>
</tr>
<tr>
<td>MED 611</td>
<td>Adv Methods Teaching Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MED 770</td>
<td>Topics in Math Education</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Research Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED 750</td>
<td>Reading &amp; Research in Math Ed</td>
<td>3</td>
</tr>
</tbody>
</table>
The Five-Year Combined B.S. in Mathematics, M.S. in Secondary Mathematics Education Option

Program Director

• Dr. Berezhovski

This program offers students the opportunity to complete an undergraduate major in mathematics, receive Commonwealth of Pennsylvania Secondary Teacher Certification in mathematics, and earn a M.S. in Secondary Mathematics Education. This curriculum emphasizes the unique character of mathematics learning theory, technology, and techniques for effective teaching in the discipline. The program strengthens the traditional certification programs by incorporating modern teaching/learning strategies and an opportunity to participate in research in the field.

Undergraduate mathematics majors at Saint Joseph’s University who apply for the five-year combined B.S./M.S. program will be evaluated for acceptance into the program after the completion of the first semester of their junior year. A cumulative grade point average of 3.0 or better is normally required. For more information, contact the Department of Mathematics or the Graduate Arts and Sciences office. Requirements of the program and course offerings are listed in the Graduate Catalog under Mathematics Education. Courses in mathematics education are designated by MED and may be taken for undergraduate credit with the approval of advisor and chair.

Students interested in the five year program should speak to the Program Director as early in their academic careers as possible.

Learning Goals and Objectives for the Five-year BS/MS in Mathematics and Mathematics Education

Students in the Five-year BS/MS in Mathematics and Mathematics Education Program complete all requirements of the undergraduate Mathematics major in the first four years and all requirements of the Secondary Education major by the end of the fifth year. In addition to the goals and objectives for those two programs, students in the 5-Yr Math and Math Education program will meet the following.

**Learning Goal 1:** Students will demonstrate knowledge of the mathematical content required for teaching secondary mathematics.

**Objective 1.1:** Students will know how to solve mathematical problems using multiple representations and using multiple mathematical approaches.

**Objective 1.2:** Students will understand the nature of proof and the sequence of observing examples, making conjectures and proving or disproving mathematical statements in a variety of mathematical disciplines.

**Goal 2:** Students will be able to plan and align curriculum and assessment according to Pennsylvania State standards, Common Core State Standards and the standards put forth by the National Council of Teachers of Mathematics.

**Objective 2.1:** Students will be aware of current issues in and the evolving nature of mathematics education including the use of technology.

**Objective 2.2:** Students will be able to draw on a variety of resources including the research literature in mathematics education to enhance their teaching and examine curricular change.
MEDIEVAL, RENAISSANCE AND REFORMATION STUDIES

Directors

- Patterson
- Powell

Advisory Board

- Burr (MCL)
- Close (HIS)
- Grimes (MCL)
- Krahmer (TRS)
- Lewin (HIS)
- St. Amour (PHL)

Undergraduate Minor

- Medieval, Renaissance, and Reformation Studies (p. 326)

Minor in Medieval, Renaissance, and Reformation Studies

The Medieval, Renaissance and Reformation Studies program includes courses offered by the departments of History, Fine and Performing Arts, English, Modern and Classical Languages, Philosophy, Political Science and Theology. Courses taken to satisfy requirements of this program may also serve to satisfy GEP or major requirements, including Integrative Learning courses where appropriate. Participants choose a minimum of six courses from those listed below, with at least one from each group and no more than three from any one department. Substitutions may be approved upon request to the directors. Students who successfully complete the program requirements earn a Minor in Medieval, Renaissance, and Reformation Studies.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 204</td>
<td>Baroque Art and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ENG 301</td>
<td>Middle English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Renaissance Non-dramatic Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 303</td>
<td>Renaissance Drama</td>
<td>3</td>
</tr>
<tr>
<td>ENG 401</td>
<td>Chaucer &amp; the Medieval World</td>
<td>3</td>
</tr>
<tr>
<td>ENG 402</td>
<td>Shakespeare: Early Works</td>
<td>3</td>
</tr>
<tr>
<td>ENG 403</td>
<td>Shakespeare: Later Works</td>
<td>3</td>
</tr>
<tr>
<td>ENG 404</td>
<td>Eng, Irish, Anglophone Authors (with pre-1700 focus)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Literature &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>FRE 330</td>
<td>Medieval to Early Mod France</td>
<td>3</td>
</tr>
<tr>
<td>FRE 421</td>
<td>Love &amp; Desire Med Fr Lit &amp; Cul</td>
<td>3</td>
</tr>
<tr>
<td>GRM 401</td>
<td>Medieval German Literature</td>
<td>3</td>
</tr>
<tr>
<td>ITA 315</td>
<td>Italy Through Art</td>
<td>3</td>
</tr>
<tr>
<td>ITA 380</td>
<td>Ita Journeys from Marco Polo</td>
<td>3</td>
</tr>
<tr>
<td>ITA 425</td>
<td>Art &amp; Madman: Renaissance &amp; Reform</td>
<td>3</td>
</tr>
<tr>
<td>ITA 445</td>
<td>The Medici Court</td>
<td>3</td>
</tr>
<tr>
<td>ITA 460</td>
<td>Dante, Petrarch, Boccaccio</td>
<td>3</td>
</tr>
<tr>
<td>SPA 441</td>
<td>Love, Courtship &amp; Vice in Med Lit</td>
<td>3</td>
</tr>
<tr>
<td>SPA 442</td>
<td>Passions Heart &amp; Soul in Imp Spn</td>
<td>3</td>
</tr>
<tr>
<td>SPA 443</td>
<td>Gender, Sexuality &amp; Soc Conflict</td>
<td>3</td>
</tr>
<tr>
<td>SPA 444</td>
<td>Don Quixote</td>
<td>3</td>
</tr>
<tr>
<td>SPA 445</td>
<td>Art &amp; Madman: Renaissance &amp; Reform</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 360</td>
<td>Philosophy of God in Aquinas</td>
<td>3</td>
</tr>
<tr>
<td>PHL 410</td>
<td>Medieval Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 412</td>
<td>The Philosophy of Aquinas</td>
<td>3</td>
</tr>
<tr>
<td>REL 241</td>
<td>Islam</td>
<td>3</td>
</tr>
<tr>
<td>THE 335</td>
<td>Gendr &amp; Christian Spirituality</td>
<td>3</td>
</tr>
<tr>
<td>REL 335</td>
<td>Christian Origins</td>
<td>3</td>
</tr>
<tr>
<td>THE 333</td>
<td>Knowl &amp; Love of God - Mid Ages</td>
<td>3</td>
</tr>
<tr>
<td>THE 334</td>
<td>Revolt, Reform, Reunion?</td>
<td>3</td>
</tr>
<tr>
<td>THE 343</td>
<td>Theology of Word and Sacrament</td>
<td>3</td>
</tr>
<tr>
<td>THE 371</td>
<td>Christianity and Media</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a minimum of six courses from the following, with at least one from each group:

History Group

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 317</td>
<td>The Rise of the West: 400-1200</td>
<td>3</td>
</tr>
<tr>
<td>HIS 318</td>
<td>Italian Renaissance 1100-1600</td>
<td>3</td>
</tr>
<tr>
<td>HIS 319</td>
<td>Revolutions 1517-1648</td>
<td>3</td>
</tr>
<tr>
<td>HIS 327</td>
<td>Trans in Early Mod Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIS 329</td>
<td>Crime &amp; Punishment</td>
<td>3</td>
</tr>
<tr>
<td>HIS 330</td>
<td>Eng: Danes to Tudors, 700-1485</td>
<td>3</td>
</tr>
<tr>
<td>HIS 331</td>
<td>Tudor-Stuart Eng, 1485-1714</td>
<td>3</td>
</tr>
<tr>
<td>HIS 339</td>
<td>The Mongol Empire 1100-1500</td>
<td>3</td>
</tr>
<tr>
<td>HIS 348</td>
<td>Witch, Law &amp; Suprnat Early Eur</td>
<td>3</td>
</tr>
<tr>
<td>HIS 382</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>HIS 372</td>
<td>Directed Rds in European His</td>
<td>3</td>
</tr>
<tr>
<td>HIS 472</td>
<td>Seminar in European History (with appropriate topic)</td>
<td>3</td>
</tr>
</tbody>
</table>

Language, Literature and Fine Arts Group

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>Late Antique and Medieval Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 203</td>
<td>Renaissance Art</td>
<td>3</td>
</tr>
</tbody>
</table>
MODERN AND CLASSICAL LANGUAGES

Mission
In an increasingly interdependent world community, the mission of the Department of Modern and Classical Language is to help students become articulate, knowledgeable and culturally aware, in accordance with the values and traditions of Saint Joseph's University and the Society of Jesus. We pursue this mission by:

• Fostering language proficiency
• Promoting an appreciation for the richness and complexity of language
• Deepening students' understanding of cultural diversity
• Encouraging student engagement in active, collaborative and critical learning
• Emphasizing a learner-centered pedagogy and care for the individual

Art/Literature through Modern and Classical Languages in the GEP
(See Curricula (p. 26))

Students who wish to satisfy the Literature/Fine Arts portion of the GEP by completing a course in Modern and Classical Languages should select one of the following:

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Completion of GEP non-native language requirement

Most students fulfill their GEP non-native language requirement by taking a two-semester course sequence (101-102, 102-201, 201-202, 202-301) in the following languages: American Sign Language, Chinese, French, German, Italian, Japanese, Russian and Spanish. Students placed in 301 (Conversation) are only required to take one semester of a non-native language.

English as a Second Language

All international students whose primary language is not English or who have English language deficiencies ought to take ESL 201 and ESL 202, Composition and Critical Thinking for Non-Native Speakers of English, in their first two semesters. ESL 201 and ESL 202 will satisfy the GEP non-native language requirement for students whose native language is not English.

Non-Native Language Courses outside the University

Students wishing to study a non-native language to fulfill the General Education Program requirements on either the introductory or intermediate level not offered at Saint Joseph’s University may be permitted to pursue such study at a four-year college or university of their choice. Permission will come from the appropriate academic Dean with the approval of the chair of the Department of Modern and Classical Languages.

In such cases, the student will pay Saint Joseph's University full tuition, and Saint Joseph's University will pay the institution in which the student is taking the course(s), an amount up to but not exceeding one fifth of the student’s semester tuition (excluding fees). If there is a tuition charge remaining at the institution where the courses are being taken, the student will be responsible for the remaining charges.

Upper Division Courses Taken in Study Abroad Programs

The Department will count a maximum of four upper division courses toward the major. This represents half of the upper division courses required. A total of three courses taken abroad may count for the minor.

Majors in Francophone Studies, French, German, Italian, Italian Studies, Linguistics or Spanish

Generally speaking, the major comprises ten courses, organized in a general progression that begins by strengthening students’ language skills and knowledge, then continues by developing more advanced-level skills and by introducing them to more challenging theoretical, historical, literary and/or cultural content, culminating in advanced readings, discussions and research of a specialized nature. For more specific information about majors in specific areas, see the appropriate sections below.

Minors in Chinese, French, German, Italian, Linguistics, Spanish or TESOL

With the approval of the Department of Modern and Classical Languages, a student may elect to minor in Chinese Culture, French, German, Italian, Linguistics, Spanish or TESOL by taking six courses at the appropriate level. (See individual language programs for details.)

Other Related Programs

In addition to the Spanish major and minor, a minor in Latin American Studies is also available. See the Latin American Studies Program website at: www.sju.edu/int/academics/cas/latinamerstudies.

A student may wish to consider a major/minor in Linguistics or TESOL. See the Advisor for Linguistics and TESOL Minors, Dr. Jennifer Ewald, for more information and visit the Linguistics Program website at: http://www.sju.edu/academics/cas/linguistics/index.html.

Modern Languages/Secondary Education Double Major

The Modern Languages/Secondary Education Double Major requires a course in culture and civilization in the modern language, as well as a course in basic or applied linguistics. The three Integrative Learning Courses for the Education Track are as follows: SPE 160/160F Introduction to Special Education; SPE 310/310F Assessment: Identification and Progress Monitoring, and SPE 203/203F: Teaching in Inclusive Environments. The following are recommended for satisfying both Education and GEP requirements: first-year EDU 150/150F Schools in Society for the first-year seminar, EDU 157/157F Adolescent Development for the social and behavioral science requirement, and a Linguistics course for the Art/Lit requirement.
Teacher Certification for Secondary Schools

Students majoring in French, German, Italian and Spanish who complete the double major in Secondary Education may apply to obtain an Instructional I, Secondary Education (12) Teaching Certificate from the State of Pennsylvania. In addition to their Modern Languages advisor, Modern Languages/Secondary Education double majors will also be assigned an advisor from the Education Department who will guide them through their required Education courses. The Education advisor will also assist students seeking teacher certification in formally applying for the teacher certification program, usually in the spring semester of their sophomore year. Students must have an overall GPA of 3.0 or higher to enroll in EDU 497 Secondary Student Teaching in their senior year. Students must maintain an overall GPA of 3.0 or higher to obtain teacher certification upon graduation.

Professor: Maria Marsilio, Ph.D.
Associate: Elaine Shenk, Ph.D.; Jennifer Ewald, Ph.D.; Konstantinos P. Nikoloutsos, Ph.D.; Kristen Grimes, Ph.D.; Kristin Burr, Ph.D.; Paola Giuli, Ph.D.
Assistant: Robert R. Daniel Jr., Ph.D.; Thomas Buckley, Ph.D.
Enrique Téllez-Espiga, Ph.D.; Theresa Zmukewycz

Chair: Buckley

Undergraduate

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- Francophone Studies (p. 347)
- German (p. 349)
- Italian (p. 350)
- Italian Studies (p. 351)
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Undergraduate Minors

- Chinese (p. 347)
- French (p. 349)
- German (p. 350)
- Spanish (p. 354)

French

FRE 101 Beginning French I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of FR101
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the French 102 Placement, French 201 Placement, French 202 Placement or French 301 Placement attributes may not enroll.
Attributes: Undergraduate

FRE 102 Beginning French II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid/high level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 101 or French 102 Placement with a score of 1 or Language Placement with a score of FR102
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the French 201 Placement, French 202 Placement or French 301 Placement attributes may not enroll.
Attributes: Undergraduate

FRE 201 Intermediate French I (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 101 or FRE 111
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

FRE 202 Intermediate French II (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 201 or French 201 Placement with a score of 1 or Language Placement with a score of FR201
Restrictions: Students with the French 202 Placement or French 301 Placement attributes may not enroll.
Attributes: Undergraduate
FRE 301 French Conversation (3 credits)
This course is designed to help students improve their oral communication skills in French through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students' attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions, and tailoring the discourse to the audience and context. This course is aimed at developing the intermediate mid/high level according to ACTFL — American Council on the Teaching of Foreign Languages. Counts toward the Francophone Studies Program. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 202 or French 301 Placement with a score of 1 or Language Placement with a score of FR301
Attributes: Undergraduate

FRE 302 French Composition (3 credits)
This course is designed to improve students' ability to communicate in written French and to develop the writing skills they will need to succeed in advanced French courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. Pre-req: completion of the GEP language requirement in French. Fulfills the GEP Writing-Intensive Overlay requirement.
Prerequisites: FRE 301 or French 302 Placement with a score of 1
Attributes: Undergraduate, Writing Intensive Course - GEP

FRE 309 Love and Hatred (3 credits)
Love and hatred are emotions that are at once universal and complicated. Studying these two themes will allow us to discover Francophone literature from diverse genres and time periods. In addition, the course will incorporate videos, music and art to enhance our understanding of the roles played by love and hatred in the Francophone world across the centuries

FRE 310 Intro to Literary Analysis (3 credits)
Study of variety of genres including theater, essays, fiction and poetry, with an emphasis on the methods for analyzing each genre. Fulfills the Art/Literature requirement of the GEP. Pre-requisite FRE 301 or FRE 302 or placement.
Prerequisites: Language Placement with a score of FR310
Attributes: GEP Art/Literature, Undergraduate

FRE 315 Comp Stylistics & Translation (3 credits)
Students will compare the linguistic structures and modes of expression in English and in French, doing exercises in translation (English-French and French-English) as a means of acquiring a better understanding of both languages and improving their expression in written and spoken French.

FRE 320 History of the French Language (3 credits)

FRE 321 Love & Desire in Med Fr Lit (3 credits)
Study of the origin and development of the literature and culture of the Middle Ages. Students will read a selection of texts that evoke love and desire in a variety of thematic form and we will also examine representations of love in desire in music, images, and other cultural products and practicess. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 322 Making our Voices Heard (3 credits)
A study of representations of women in works written by French women writers of the Middle Ages and Renaissance, with special emphasis on issues of female identity and voice in the texts. Fulfills the GEP Art/Lit requirement., Diversity course, Gender Studies course, Medieval, Ren & Reform Studies.
Prerequisites: FRE 301 or FRE 302

FRE 325 The Francophone World (3 credits)
This course is an introductory course for the Francophone Studies major while serving simultaneously as a language and culture course for French majors organized around the notion of “Francophonie.” There are four major intellectual components to the course: 1) the historical background of French and Belgian colonization (through research and readings), with particular reference to North America, to the Caribbean, to North Africa and to Subsaharan Africa; 2) a sampling of critiques of French colonialism; 3) select texts in postcolonial theory; 4) an overview of the contemporary Francophone world.
Attributes: Undergraduate

FRE 330 Medieval to Early Mod France (3 credits)
This course offers a cultural orientation to the French nation, focusing on the development of languages, ideas, art, architecture and social, political and economic structures within the geographical area sometimes identified as “The Hexagon,” from the tenth century to the seventeenth. Prerequisite: FRE 301 or FRE 302 or permission of the instructor. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 331 France: Enlightenment to Today (3 credits)
This course offers a cultural orientation to France and the francophone world, focusing on the evolution of ideas, artistic and literary movements, and political, social and economic structures, from the eighteenth century to the twenty-first. Prerequisite: FRE 301 or FRE 302 or permission of the instructor. Fulfills the GEP Art/Lit requirement.
Attributes: European Studies Course, GEP Art/Literature, Undergraduate

FRE 340 Current Events in the Fr Media (3 credits)

FRE 351 French Canada (3 credits)
In this course, we will explore the culture, history, and literature of French-speaking Canada, concentrating specifically on Quebec and Acadia. By focusing on questions of language, heritage, and identity, students will examine what it means to be a Francophone in Canada, deepen their knowledge of the unique cultural contributions made by these communities, and enhance their understanding of the complex identities of French speakers in eastern Canada. Fulfills the GEP Art/Lit requirement.

FRE 352 Francophone America (3 credits)
In this course, we focus on the question of identity. What does it mean to be a part of a Francophone community in the United States? By exploring the culture, history, and literature of Louisiana and New England—as well as the places where we see French influence in Philadelphia and at SUJ — students will deepen their appreciation of the richness of Francophone communities in the United States and enhance their understanding of the challenges facing members of a group whose language and heritage sets them apart. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature
FRE 366 Current Events in Fr-LangMedia (3 credits)
This course is intended to give students a better understanding of the contemporary French-speaking world and its cultures through analysis and discussion of current events covered in the Francophone news media, both in France and elsewhere. The course will develop listening and reading skills, as well as writing and speaking skills. Pre-requisite FRE 301 or FRE 302.
Prerequisites: FRE 301 or FRE 302
Attributes: Undergraduate

FRE 370 Special Topics in French (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the French-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Pre-requisite FRE 301 or FRE 302.
Prerequisites: Language Placement with a score of FR370
Attributes: Undergraduate

FRE 396 French AP Course (3 credits)

FRE 402 Advanced French Composition (3 credits)

FRE 403 A Just Society (3 credits)
This conversation course focuses on current events and contemporary culture, paying particular attention to ethical thinking and the notion of fairness as a principle of social organization. Discussion of controversial topics will be an important aspect of students' work. The course will be informed by the work of John Rawls and others. Participants will be asked to reflect on and to analyze issues as they are represented in television news reports, newspapers and magazine articles, popular songs, film and other media in French.
Prerequisites: FRE 301 or FRE 302
Attributes: Ethics Intensive (New GEP)

FRE 409 Love and Hatred (3 credits)

FRE 410 The French Novel (3 credits)
Reading, discussion and analysis of novels from a period ranging from the 17th century to the present. The period(s) of study will be selected by the professor. Fulfills the Art/Literature requirement of the GEP. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 412 Short Nar in Francophone Lit (3 credits)
Reading, discussion, and analysis of short stories and folktales from a variety of French-speaking areas, including Europe, North America, Africa, and the Caribbean. We will seek to define the genres and examine how their content and form change over time and by region, which will foster an understanding of how the tales reflect the culture(s) in which they were produced. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 413 French Poetry (3 credits)
A study of the various forms of French poetry with a particular emphasis on the evolution of the genre from Romanticism to Modernism. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 414 The French Essay (3 credits)
Reading, discussion, and analysis of selected works of representative essayists from the 16th to the 21st century, including Montaigne, Pascal, Diderot, Gide, Camus, Sartre, Barthes, Foucault, and Derrida. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 421 Love & Desire Med Fr Lit & Cul (3 credits)
Study of the origin and development of the literature and culture of the Middle Ages. Students will read a selection of texts that evoke love and desire in a variety of thematic form and we will also examine representations of love in desire in music, images, and other cultural products and practices. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 422 Fr Wom Writ of Mid Ages & Ren (3 credits)
Please see the description for FRE 322. Students taking 422 will have additional reading and projects to do. If you have taken at least three 300-level courses, you should enroll in 422. Fulfills the GEP Art/Lit requirement. Diversity course, Gender Studies course, Medieval, Ren & Reform Studies
Attributes: Diversity Course (New GEP), European Studies Course, GEP Art/Literature, Undergraduate

FRE 427 The Age of Louis XIV (3 credits)
A study of the growth of classicism and its various manifestations in the literary realm and the other arts. Selected works of Racine, Molière, Madame de LaFayette, Boileau, La Rochefoucauld, La Bruyère, Pascal, and La Fontaine will be studied. Fulfills the GEP Art/Lit requirement.
Attributes: Diversity Course (New GEP), European Studies Course, Gender Studies Course, GEP Art/Literature, Undergraduate

FRE 431 The French Enlightenment (3 credits)
A study of the origins of French Romanticism, its philosophical background, and its various forms of expression from Chateaubriand to Gerard de Nerval. Although principal emphasis will be placed on the study of the major genres, developments in music and the visual arts during the period will also be studied. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 434 French Romanticism (3 credits)
A study of the origins of surrealism and its philosophical background. Particular attention will be paid to the works of the founders, Breton, Artaud, Aragon, Soupault, Vitrac, Cocteau. Relationships with the visual arts, including film, will be studied. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 438 20th Cent Fr Theater to Pres (3 credits)
Study of the avant-garde theater from Jarry to Reza. Developments in content and structure, the influence of Antonin Artaud as well as metteurs-en-scene will be examined. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 451 Francophone Canada (3 credits)
Please see the description for FRE 351. Students taking 451 will have additional reading and projects to do. If you have taken at least three 300-level courses, you should enroll in 451. Fulfills the GEP Art/Lit requirement.

FRE 452 Francophone America (3 credits)
Please see the description for FRE 352. Students taking 452 will have additional reading and projects to do. If you have taken at least three 300-level courses, you should enroll in 452. Fulfills the GEP Art/Lit requirement.
FRE 460 La Francophonie (3 credits)
FRE 461 Caribbean Francophone Liter (3 credits)
This course will teach students to read and appreciate contemporary francophone literature of Martinique, Guadeloupe and Haiti by familiarizing them with the colonial and post-colonial history of the region, its cultural richness and its literary modes. Students will read works in different genres by major authors of the French Caribbean. Fullfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: Africana Studies Course, GEP Art/Literature, Undergraduate

FRE 462 Contempry Francophone Cinema (3 credits)
This course will teach students to read and appreciate contemporary francophone literature of Martinique, Guadeloupe and Haiti by familiarizing them with the colonial and post-colonial history of the region, its cultural richness and its literary modes. Students will read works in different genres by major authors of the French Caribbean. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 466 The Francophonie Press (3 credits)
An introduction to the press of the French-speaking world. The work of the course may include library and internet research, extensive readings in French-language newspapers and magazines, viewings of television news, round-table discussions of current events and regular writing assignments. The course aims to familiarize students with the contemporary Francophone world and its information media. It is also designed to improve students' general language skills in French. Prerequisite FRE 301 or FRE 302.
Attributes: Undergraduate

FRE 470 Topics in French (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the French-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Prerequisite FRE 301 or FRE 302.
Attributes: Undergraduate

FRE 471 Economic and Business French (3 credits)
An introduction to business notions and to social, economic and political problems in the francophone business world. The primary focus will be on France, although other French-speaking countries in Europe and elsewhere may also be covered. The course will emphasize the acquisition and use of fundamental economic and business concepts and vocabulary as tools for understanding the francophone business environment and communicating appropriately in a business setting.
Prerequisite FRE 301 or permission of the instructor.
Attributes: Undergraduate

FRE 490 Internship (3 credits)
FRE 491 Internship (3 credits)
FRE 493 Independent Research in French (3 credits)
FRE 494 Independent Research in French (3 credits)

German

GRM 101 Beginning German I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students who have limited experience with the German language. Fullfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of GR101
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the German 102 Placement, German 201 Placement, German 202 Placement or German 301 Placement attributes may not enroll.
Attributes: Undergraduate

GRM 102 Beginning German II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students who have limited experience with the German language. Fullfills the GEP non-native language requirement.
Prerequisites: GRM 101 or German 102 Placement with a score of 1 or German Language Placement with a score of GR102
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the German 201 Placement, German 202 Placement or German 301 Placement attributes may not enroll.
Attributes: Undergraduate

GRM 113 First Year German III (4 credits)
GRM 150 First Year Seminar in German (3 credits)
GRM 201 Intermediate German I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. A review of grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fullfills the GEP non-native language requirement.
Prerequisites: GRM 102 or German 201 Placement with a score of 1 or Language Placement with a score of GR201
Restrictions: Students with the German 202 Placement or German 301 Placement attributes may not enroll.
Attributes: Undergraduate
GRM 202 Intermediate German II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. A review of grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Prerequisite: Fulfills the GEP non-native language requirement.
Prerequisites: GRM 201 or German 202 Placement with a score of 1 or Language Placement with a score of GR202
Restrictions: Students with the German 301 Placement attribute may not enroll.
Attributes: Undergraduate

GRM 301 German Conversation (3 credits)
This course is designed to help students improve their oral communication skills in German through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students’ attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions, and tailoring the discourse to the audience and context. Fulfills the GEP non-native language requirement.
Prerequisites: GRM 202 or German 301 Placement with a score of 1 or Language Placement with a score of GR301
Attributes: Undergraduate

GRM 302 German Composition (3 credits)
This course is designed to improve students’ ability to communicate in written German and to develop the writing skills they will need to succeed in advanced German courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version.
Prerequisites: GRM 301 or German 302 Placement with a score of 1
Attributes: Undergraduate

GRM 303 From Bismark to Hitler (3 credits)
The period spanning 1871 to 1945 in Germany is a tumultuous period of transition in the country’s history. This course is intended to deepen the students’ knowledge of German history, literature, culture and politics. Readings, discussions and analysis both of a series of literary texts, as well as background readings on the time period. Fulfills the Art/Literature requirement of the GEP. Prerequisite: GRM 301 or departmental approval. This course is taught in German.
Prerequisites: Language Placement with a score of GR303
Attributes: GEP Art/Literature, Undergraduate

GRM 305 The Faust Legend (3 credits)
A study of the Faust legend in German and world literature. Goethe’s Faust will be analyzed in depth. The concept of the Faustian as expressed in other literature, as well as in the opera and film, will be studied. Fulfills the GEP Art/Literature requirement. Taught in English, does not satisfy the German major or minor requirements.
Attributes: GEP Art/Literature, Undergraduate

GRM 306 Advanced German Conv & Comp (3 credits)
The purpose of this course is to improve the student’s oral and written command of German by further developing the four linguistic skills on an advanced level. Prerequisite: GRM 301 or departmental approval.
Prerequisites: GRM 302 or German 301 Placement with a score of 1
Attributes: Undergraduate

GRM 309 German Civilization & Culture (3 credits)
A survey of the culture and civilization of Germany and other German-speaking countries, their history, politics, economic and social aspects, art, and folklore through the reading of literary texts. Emphasis is placed on modern trends. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 310 Selections in German Lit I (3 credits)
An introduction to German literature with selected readings from the works of principal writers from various periods. Fulfills the GEP Art/Literature requirement of the GEP.
Attributes: GEP Art/Literature, Undergraduate

GRM 320 Contemporary German Cinema (3 credits)
German Cinema as a mode of present-day artistic expression. Viewing and analysis of contemporary German movies by outstanding directors dealing with key issues in modern Germany. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 321 Getting to Know the Germ Media (3 credits)
The course will strengthen oral and written communication in German through discussion and analysis of the press, Deutsche Welle (German direct news broadcasts) using a variety of online news sources as well as German TV culture. The focus will be on contemporary culture and current events. Prerequisite: GRM 301 or departmental approval.
Prerequisites: Language Placement with a score of GR321
Attributes: Undergraduate

GRM 330 German Business I (3 credits)
It is true that the world is increasingly more globalized, particularly with respect to business and economic issues. Therefore, it is essential, even for those not directly involved in the business world, to be familiar with its workings and language. Yet it is equally true, despite globalization, that linguistic, cultural and economic differences persist and play an important role in the business world. It is the aim of this course to offer students insights into Business German from a micro point of view. Initially, we will have a general overview of the German economy, before embarking on a more detailed exploration of German business writing (cover letter, resumes, business correspondences), as well as common German business practices. Particular emphasis will be placed on vocabulary building. Prerequisite: GRM 301 or departmental approval.
Prerequisites: GRM 302 or GRM 1321
Attributes: Undergraduate

GRM 331 German Business II (3 credits)
The course deals with the multifaceted German business world on an advanced level. Emphasis will be placed on business correspondence, and the necessary oral proficiency skills required for successful commercial transactions. Prerequisite: GRM 301 or departmental approval.
Prerequisites: GRM 302 or GRM 1321 or Language Placement with a score of GR331
Attributes: Undergraduate

GRM 370 Topics in German Culture (3 credits)
The course will survey the most significant aspects of German culture through time. It is designed to give a broad overview of important cultural movements and personalities. We will discuss the highlights of selected areas in the culture of the German-speaking countries: in art, architecture, literature, music, history, politics and science. In particular, we will study representative figures of these areas, especially those who have had an impact on European and world culture.
Attributes: Undergraduate
GRM 396 German AP Course (3 credits)
GRM 401 Medieval German Literature (3 credits)
GRM 402 From Enlightenment to Realism (3 credits)
Readings, discussion, and analysis of a series of literary texts, as well as background readings on the period spanning the German Enlightenment to the beginning of German Realism (1750-1850). Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 403 From Bismarck to Hitler (3 credits)
The period spanning 1871 to 1945 in Germany is a tumultuous period of transition in the country’s history. This course is intended to deepen the students’ knowledge of German history, literature, culture and politics. Readings, discussions and analysis both of a series of literary texts, as well as background readings on the time period. Fulfills the GEP Art/Literature requirement.
Prerequisites: Language Placement with a score of GR403
Attributes: GEP Art/Literature, Undergraduate

GRM 404 Mod in Lit of Early 20th Cent (3 credits)
Readings, discussion, and analysis of selected works from Hauptmann to Mann. Focusing on the economic, social, and political issues of the pre-World War II era. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 405 Lit of Ger-Speaking Countries (3 credits)
Reading, discussion, and analysis of selected works by major authors, focusing on the social and cultural trends of the times. Fulfills the Art/Literature requirement of the GEP. Prerequisite: GRM 301 or departmental approval.
Attributes: GEP Art/Literature, Undergraduate

GRM 406 Phantms, Spirits & the Uncanny (3 credits)
This course explores the fantastic in German literature, utilizing examples from Romanticism to the present. The fantastic will be investigated with respect to its function within individual works of literature as well as within its socio-historical context. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 420 MultiKulti: German Migrant Lit (3 credits)
This course focuses on themes and texts of important “migrant authors” of Germany from the 20th and 21st centuries. Students will meet authors and texts that embody the struggles and successes of immigrants to Germany. It is designed to expose students to an array of selected German texts that are relevant to today’s way of life in Germany. Students will learn to analyze and interpret several works of literature, in relation to the historical and social events of the time. Fulfills the Diversity overlay.
Attributes: Diversity Course (New GEP)

GRM 423 German Short Story (3 credits)
Readings, discussion and analysis of representative short stories in the post-45 German-speaking world. Fulfills the GEP Art/Lit requirement.
Attributes: European Studies Course, Undergraduate

GRM 470 Topics in German (3 credits)
GRM 490 Internship (3 credits)
GRM 491 Internship (3 credits)
GRM 493 Independent Research (3 credits)
GRM 494 Independent Research (3 credits)

Italian
ITA 101 Beginning Italian I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students with no experience with the Italian language. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of IT101
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Italian 102 Placement, Italian 201 Placement, Italian 202 Placement or Italian 301 Placement attributes may not enroll.
Attributes: Undergraduate

ITA 102 Beginning Italian II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid/high level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 101 or Italian 102 Placement with a score of 1 or Language Placement with a score of IT102
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Italian 201 Placement, Italian 202 Placement or Italian 301 Placement attributes may not enroll.
Attributes: Undergraduate

ITA 111 Adult Learner Beginning ITA I (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ITA 112 Adult Learner Beginning ITA II (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 1015 or ITA 111
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate
ITA 113 First Year Italian III (4 credits)
ITA 150 First Year Seminar in Italian (3 credits)
ITA 201 Intermediate Italian I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement. 
Prerequisites: ITA 102 or Italian 201 Placement with a score of 1 or Language Placement with a score of IT201
Restrictions: Students with the Italian 202 Placement or Italian 301 Placement attributes may not enroll.
Attributes: Undergraduate

ITA 202 Intermediate Italian II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar, pronunciation, and writing will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 201 or Italian 202 Placement with a score of 1 or Language Placement with a score of IT202
Restrictions: Students with the Italian 301 Placement attribute may not enroll.
Attributes: Undergraduate

ITA 206 The Roman Experience (3 credits)
This month-long, full-immersion course will improve students’ command of Italian as it provides an enriching cultural experience. Students will discover what it means to live amidst ancient ruins, baroque basilicas, and artistic treasures as they navigate the eternal city. Through daily excursions and task-based activities students will acquire practical skills as they are immersed in Roman art, cuisine, culture and history. In particular, we will examine forces that have shaped the world we have inherited through units on the Jesuits in Rome. Fulfills the GEP Art/Lit requirement. Pre-requisite ITA 102 (for ITA 206) and ITA 301 (for 306). Both courses count toward the minor and major in Italian, and for the major in Italian Studies.
Prerequisites: ITA 102
Attributes: GEP Art/Literature, Undergraduate

ITA 240 Ital BegCult&Civilization Tour (3 credits)

ITA 301 Italian Conversation (3 credits)
This course is designed to help students improve their oral communication skills in Italian through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students’ attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions, and tailoring the discourse to the audience and context. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 202 or Italian 301 Placement with a score of 1 or Language Placement with a score of IT301
Attributes: Undergraduate

ITA 302 Italian Composition (3 credits)
This course is designed to improve students’ ability to communicate in written Italian and to develop the writing skills they will need to succeed in advanced Italian courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. Prerequisite: ITA 301 or permission of the instructor. This course satisfies the GEP writing-intensive requirement.
Prerequisites: ITA 301 or Italian 302 Placement with a score of 1 or Language Placement with a score of IT302
Attributes: Undergraduate, Writing Intensive Course- GEP

ITA 303 Advanced Italian Conversation (3 credits)
The purpose of this course is to improve students’ oral command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 304 Advanced Italian Composition (3 credits)
The purpose of this course is to improve students’ written command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. The course will be organized thematically around two main areas: issues in contemporary society and Roman literary and historical landscapes. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 306 The Roman Experience (3 credits)
The purpose of this course is to improve students’ oral and written command of Italian through an intensive full-immersion presentation of the structures and stylistics of the language. The course is organized thematically around two main areas: issues in contemporary society and Roman literary, artistic and social landscapes. Students will read twentieth-century writers’ appreciation of Rome, and newspaper articles on local cultural and social issues. While visiting sites described in the readings, interviewing the denizens on local issues, and observing the art and architecture that has left its imprint on western civilization as we know it, students will be asked to comment on their observations both in writing and in group conversation. They will acquire a very personal appreciation of the meraviglie di Roma and will formulate oral and written analyses on social, historical and artistic subjects. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Lit Requirement.
Prerequisites: ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 302 Italian Composition (3 credits)
This course is designed to improve students’ ability to communicate in written Italian and to develop the writing skills they will need to succeed in advanced Italian courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. Prerequisite: ITA 301 or permission of the instructor. This course satisfies the GEP writing-intensive requirement.
Prerequisites: ITA 301 or Italian 302 Placement with a score of 1 or Language Placement with a score of IT302
Attributes: Undergraduate, Writing Intensive Course- GEP

ITA 303 Advanced Italian Conversation (3 credits)
The purpose of this course is to improve students’ oral command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 304 Advanced Italian Composition (3 credits)
The purpose of this course is to improve students’ written command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. The course will be organized thematically around two main areas: issues in contemporary society and Roman literary and historical landscapes. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 306 The Roman Experience (3 credits)
The purpose of this course is to improve students’ oral and written command of Italian through an intensive full-immersion presentation of the structures and stylistics of the language. The course is organized thematically around two main areas: issues in contemporary society and Roman literary, artistic and social landscapes. Students will read twentieth-century writers’ appreciation of Rome, and newspaper articles on local cultural and social issues. While visiting sites described in the readings, interviewing the denizens on local issues, and observing the art and architecture that has left its imprint on western civilization as we know it, students will be asked to comment on their observations both in writing and in group conversation. They will acquire a very personal appreciation of the meraviglie di Roma and will formulate oral and written analyses on social, historical and artistic subjects. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Lit Requirement.
Prerequisites: ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 302 Italian Composition (3 credits)
This course is designed to improve students’ ability to communicate in written Italian and to develop the writing skills they will need to succeed in advanced Italian courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. Prerequisite: ITA 301 or permission of the instructor. This course satisfies the GEP writing-intensive requirement.
Prerequisites: ITA 301 or Italian 302 Placement with a score of 1 or Language Placement with a score of IT302
Attributes: Undergraduate, Writing Intensive Course- GEP

ITA 303 Advanced Italian Conversation (3 credits)
The purpose of this course is to improve students’ oral command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 304 Advanced Italian Composition (3 credits)
The purpose of this course is to improve students’ written command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. The course will be organized thematically around two main areas: issues in contemporary society and Roman literary and historical landscapes. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 306 The Roman Experience (3 credits)
The purpose of this course is to improve students’ oral and written command of Italian through an intensive full-immersion presentation of the structures and stylistics of the language. The course is organized thematically around two main areas: issues in contemporary society and Roman literary, artistic and social landscapes. Students will read twentieth-century writers’ appreciation of Rome, and newspaper articles on local cultural and social issues. While visiting sites described in the readings, interviewing the denizens on local issues, and observing the art and architecture that has left its imprint on western civilization as we know it, students will be asked to comment on their observations both in writing and in group conversation. They will acquire a very personal appreciation of the meraviglie di Roma and will formulate oral and written analyses on social, historical and artistic subjects. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Lit Requirement.
Prerequisites: ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 302 Italian Composition (3 credits)
This course is designed to improve students’ ability to communicate in written Italian and to develop the writing skills they will need to succeed in advanced Italian courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. Prerequisite: ITA 301 or permission of the instructor. This course satisfies the GEP writing-intensive requirement.
Prerequisites: ITA 301 or Italian 302 Placement with a score of 1 or Language Placement with a score of IT302
Attributes: Undergraduate, Writing Intensive Course- GEP

ITA 303 Advanced Italian Conversation (3 credits)
The purpose of this course is to improve students’ oral command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 304 Advanced Italian Composition (3 credits)
The purpose of this course is to improve students’ written command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. The course will be organized thematically around two main areas: issues in contemporary society and Roman literary and historical landscapes. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 306 The Roman Experience (3 credits)
The purpose of this course is to improve students’ oral and written command of Italian through an intensive full-immersion presentation of the structures and stylistics of the language. The course is organized thematically around two main areas: issues in contemporary society and Roman literary, artistic and social landscapes. Students will read twentieth-century writers’ appreciation of Rome, and newspaper articles on local cultural and social issues. While visiting sites described in the readings, interviewing the denizens on local issues, and observing the art and architecture that has left its imprint on western civilization as we know it, students will be asked to comment on their observations both in writing and in group conversation. They will acquire a very personal appreciation of the meraviglie di Roma and will formulate oral and written analyses on social, historical and artistic subjects. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Lit Requirement.
Prerequisites: ITA 301
Attributes: GEP Art/Literature, Undergraduate
ITA 309 I giovani e l'Italia di oggi (3 credits)
This course offers a unique perspective on contemporary Italy by placing the young generation at the center of study. Students will improve their communication skills while exploring a variety of narratives—songs, short stories, film, music, poems and newspaper articles—written by, for, or about Italian culture; the course will therefore introduce the analytical tools necessary for literary and film analysis. Political engagement, school life, adolescence, and generational conflicts are among the themes we will discuss. Class activities will provide students the opportunity to express and debate their personal views, which will guide the development and refinement of oral and written proficiency. The expansion of vocabulary and the study of grammar will be incorporated into the course. Prerequisite: ITA 301 or permission of instructor.

Prerequisites: ITA 301 and ITA 302

ITA 310 Italian Stylistics (3 credits)
This course introduces the fundamental principles and techniques of literary analysis in each of the major genres (lyric poetry, short story, theatre, epic poetry, novel), while presenting a sampling of masterpieces and authors from across the Italian literary tradition. By introducing students to the major writers and movements of Italian literature from the thirteenth through the twentieth centuries, we will examine the work of different styles and themes, with specific attention to historical and cultural frameworks. We will pay close attention to the vocabulary used in literary study, as well as to linguistic and stylistic difficulties in textual analysis. Prerequisite: ITA 301 or permission of instructor. Fulfills the GEP Art/Literature requirement.

Attributes: GEP Art/Literature, Undergraduate

ITA 311 Italian Conversation & Comp I (3 credits)

ITA 312 Italian Conversation & Comp II (3 credits)

ITA 315 Italy Through Art (3 credits)
In this language and culture course students refine their skills while learning about Italy through the medium of art. The approach encourages the development of a critical understanding of individual works by introducing students to the visual language of art. As a survey course, the subject content is chronologically wide ranging, extending from Magna Grecia to the Novecento, and includes a variety of media, including painting, sculpture and architecture. Among the artists covered are Cimabue, Giotto, Donatello, Masaccio, Piero della Francesca, Botticelli, Leonardo, Raffaello, Michelangelo, Cellini, Giorgione, Tiziano, Tintoretto, Caravaggio, Canalietto, Guardi, Canova, Modigliani, and De Chirico. By analyzing a variety of cultural artifacts, students will build vocabulary and use advanced grammatical structures. We will also read critical articles on art history and study the University’s Art collection, which includes replicas of Michelangelo’s most famous sculptures. The course is complemented visits to the Barnes Foundation and the Philadelphia Museum of Art. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Lit Requirement.

Attributes: European Studies Course, GEP Art/Literature, Undergraduate

ITA 320 Italian Through Film (3 credits)
Course aims to improve students’ speaking and listening skills and their understanding of Italian culture by viewing and discussing Italian film. Conducted in Italian. Prerequisite: ITA 301 or permission of instructor.

Attributes: Undergraduate

ITA 330 The Ita Bus Wrld & Its Lang (3 credits)
This course explores the language and culture of the Italian business world at an intermediate-high to advanced level. Besides developing writing and speaking skills—such as writing c.v., business letters and job descriptions; practicing job interviews, business meetings and presentations—the course analyzes socio-economic issues such as the position of women in the work force, the globalization of the markets of the European Union, and business etiquette through the analysis of Italian articles, the internet and visual materials (TV and movies). Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.

Attributes: Undergraduate

ITA 340 Italian Culture & Civilization (3 credits)
A survey of the culture of Italy, its geography, history, politics, outstanding personalities, arts, literature, economic and social problems, sciences, and education. Conducted in Italian. Fulfills the GEP Art/Literature requirement.

Prerequisites: ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 345 Art Fashion: la moda italiana (3 credits)
The goal of this course is to facilitate future educators in the teaching of foreign language and to allow those students, who are Education Majors and Minors, to fully comprehend how the multi-dimensional world of bilingualism plays and will continue to play a very important role in the future of this country. This course will examine the intricacies of acquiring a second language through the pedagogical years and into adulthood and will be taught in Italian. It will also examine the communication skills of Italian students learning English and of American students learning Italian. Emphasis shall be placed on the characteristics of interaction within the contexts that facilitate second language acquisition. Students will explore social, environmental and cultural differences and the roles they play in promoting or impeding L2 fluency and pronunciation. Theories and methodologies will be discussed, language classes observed and, eventually, students may have the possibility to teach specific grammar points in first year classrooms. Conducted in Italian. Fulfills the GEP Art/Lit requirement.

Prerequisites: (ITA 301 and ITA 302) or (Language Placement with a score of IT345)
Attributes: GEP Art/Literature

ITA 350 Topics & Meth for Teaching Ita (3 credits)
The goal of this course is to facilitate future educators in the teaching of foreign language and to allow those students, who are Education Majors and Minors, to fully comprehend how the multi-dimensional world of bilingualism plays and will continue to play a very important role in the future of this country. This course will examine the intricacies of acquiring a second language through the pedagogical years and into adulthood and will be taught in Italian. It will also examine the communication skills of Italian students learning English and of American students learning Italian. Emphasis shall be placed on the characteristics of interaction within the contexts that facilitate second language acquisition. Students will explore social, environmental and cultural differences and the roles they play in promoting or impeding L2 fluency and pronunciation. Theories and methodologies will be discussed, language classes observed and, eventually, students may have the possibility to teach specific grammar points in first year classrooms. Conducted in Italian. Fulfills the GEP Art/Lit requirement.

Prerequisites: Language Placement with a score of IT350 or ITA 301
Attributes: Undergraduate
ITA 360 Modern Italian Culture (3 credits)
The purpose of this course is to study some of the principal characteristics of contemporary Italian culture. The course explores such topics as regionalism, the formation of a national language, the question of national identity, terrorism, the separatist movements, gender relations, feminism, and popular culture. It studies Italian cultural trends in Italy today, outlines their history over the last one hundred years, and explores the future of Italian culture and society. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT360 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 365 Italian Society and the Media (3 credits)
The goal of this course is to develop advanced-level oral/aural and reading/writing skills while addressing key aspects of contemporary Italian culture through the consideration of exclusively authentic materials, such as Italian newspaper and magazine articles, Italian TV broadcasting, and Italian internet sites. We shall also learn how to critique the written and visual Italian media, as well as how to navigate Italian websites. Students will choose readings and topics initially within a given list of categories and, later, among a virtually endless variety of internet sources. Among the topics we may address are: style, fashion and design; geography, art and tourism; the environment; immigration and racism; the position of young people and women in Italian society; current Italian and international events from an Italian perspective. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT365 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 370 Topics in Italian (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Italian-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT370 or ITA 301
Attributes: Undergraduate

ITA 380 Ita Journeys from Marco Polo (3 credits)
This interdisciplinary course investigates Italy’s dual role as the home of legendary travelers and the destination for tourists over the centuries. Through a variety of texts—travel diaries, letters to kings and queens, maps, travel guides and film—we will explore the reality and metaphor of travel in the lives and works of pilgrims, poets, explorers and artists. We will consider three historical periods: the age of discovery (ca. 1300-1600), the grand tour (ca. 1600-1800) and the age of global tourism (ca. 1800-present). The course concludes with a virtual tour of various regions of contemporary Italy. As a final project, students will author their own travel guide to the Italian city (or cities) of their choice. Recommended for students who wish to further their cultural and linguistic preparation before studying abroad, this content-based language course emphasizes the vocabulary and idiomatic expressions necessary for travel in Italy. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT380 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 396 Italian AP Course (3 credits)

ITA 401 Early Ita Cinema-Stage to Scm (3 credits)
This course traces the birth and development of silent film, the transition to sound, and film under fascism, with emphasis on film’s relationship to theatre, literature and social and cultural history. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT401 or ITA 301
Attributes: Undergraduate

ITA 402 L’Italiano al Cinema (3 credits)
This course investigates major films as both aesthetic and cultural objects. It will introduce major directors, movements, and genres in Italian cinema from World War II to the present. We will study both “film d’autore” (Visconti, De Sica, Fellini, Scola, Risi, Monicelli) and “nuovi registi” (Belloccio, Giordana, Muccino). We will analyze typically Italian historical drama, “commedia all’italiana” and postmodern pastiche and explore contemporary social issues such as regional, ethnic and gender diversity. We will read literary sources, screenplays and film criticism. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT402 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 410 Major Italian Authors (3 credits)

ITA 420 From Novel to Film (3 credits)
This course studies representations of Italian society from unification (1860) to the present in literary works and films. We shall consider films by contemporary Italian filmmakers (Visconti, Damiani, Rossi, Fratelli, Taviani), and the literary works on which they are based, including works by D’Annunzio, Pirandello, Levi, and Sciascia. While comparing cinematographic and literary techniques, we shall explore ideological and cultural currents, such as Romanticism, Risorgimento, Realism and Neo-realism. Topics discussed will include: the problems of unification; regionalism and separatism between industrial north and rural south; solitude and marginalization; the search for an identity. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT420 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 425 Art&Madman:Renaissance&Reform (3 credits)
What separates genius from madness? Is creativity inspiration or insanity? This interdisciplinary course examines tales of psychosis, violence and the making of artistic masterpieces. We will explore the lives and works of artists and poets, such as Sandro Botticelli, Leonardo Da Vinci, Michelangelo Buonarotti, Vittoria Colonna, Benvenuto Cellini, Galileo Galilei, Caravaggio and Artemisia Gentileschi. A variety of works [poetry, prose, painting and sculpture] will be studied against the backdrop of the crisis of the Italian Renaissance. We will look closely at Counterreformation intellectual debates, religious dissent and persecution. At the center of our inquiry is the figure of the artist—genius, madman, or both? This course will be complemented by guest speakers and a trip to the Philadelphia Museum of Art. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: ITA 301 or Language Placement with a score of IT425
Attributes: GEP Art/Literature

ITA 430 Imges of Rome:Papl Rome - Pres (3 credits)
This course will interpret the symbolic and political importance of Rome in literary works and film. The course is organized historically: from the struggle over Rome within the Risorgimento movement to fascist and war-torn Rome; from the 50’s Rome of reconstruction to the economic boom of the 1960’s, to the socio-political problems of a new multicultural city in the 80’s and 90’s. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT430 or ITA 301
Attributes: GEP Art/Literature, Undergraduate
ITA 435 Rebels and Revolutionaries (3 credits)
The course aspires to provide an understanding of the culture of Baroque, Enlightenment and Risorgimento Italy and of its influence on contemporary Italian culture (especially as regards definition of concepts of gender, language and national identity). It considers a variety of genres —novels, poems, essays and plays—in the context of ideological and cultural currents. Audio-visual materials (videos, movies, cd roms) will be used and a variety of subtexts and interdisciplinary relationships will be explored, especially with history, art and philosophy. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT435 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 440 Profane and Sacred Love (3 credits)
The course aspires to provide an understanding of the culture of Medieval and Renaissance Italy and of its influence on contemporary Italian culture. It focuses on how power and gender relationships are reflected in the literature—canzoni, sonetti, ballate, novelle. The works studied belong to the tradition of Courtly Love, Neo- Platonic love and the literature of the Renaissance courtisans and follows the evolution of concepts of sacred and profane love in Italian literature from the thirteenth to the sixteenth centuries. The course considers a variety of subtexts and interdisciplinary relationships especially with history and art history. Audio-visual materials (videos, movies, cd roms) will be used to bring home to the students the sights and sounds of this vibrant age. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT440 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 444 The Medici Court (3 credits)
For the Medici, art and propaganda went hand in hand. This interdisciplinary course investigates the city and family that nurtured artists and humanists [including Brunelleschi, Fra Angelico, Donatello, Botticelli, Poliziano and Michelangelo]. Tracing the rise and fall of the dynasty, we will consider how the Medici fashioned an enduring image of princely power though architecture and music. We will study a variety of texts, including painting, sculpture, poetry and intimate letters exchanged between family members. This course will be complemented by visiting the Medici Collection at the Philadelphia Museum of Art. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT440 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 445 The Birth of a Nation: Italy (3 credits)
This course encourages a critical approach to the study of Italian unification in its aesthetic, cultural, and political dimensions as well as their repercussions on present-day Italian society and culture. The making of Italians, as Massimo D'Azelegio famously put it, would engage the best Italian minds for the following 150 years. The divisions between North and South, between Church and State, between the government and the people were created or compounded by the making of Italy. The course studies the debate on Italian Unification and the development of an Italian identity in a variety of historical artistic and literary sources, including diaries, letters, treatises, paintings, sculptures, poems and short stories.
Prerequisites: Language Placement with a score of IT450 or ITA 301
Attributes: Undergraduate

ITA 447 Topics in Italian (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Italian- speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Fulfills the GEP Art/Lit requirement.
Attributes: Undergraduate

ITA 450 Italy in Age of Grand Tour (3 credits)
This course focuses on travel through Italy as an educational experience and cultural initiation and aims to improve students' reading, writing and speaking skills in Italian, while familiarizing them with culturally important sites and encouraging them to think critically about the notion of the Grand Tour. Conducted in Italian Pre-requisite: ITA 301 or permission of instructor.
Prerequisites: Language Placement with a score of IT450 or ITA 301
Attributes: Undergraduate

ITA 455 Women's Voices (3 credits)
We will investigate the relation between the emergence of a self- professed woman novelist and the changing ideologies concerning the moral and intellectual nature of women and their role in society. We will not only study the way prominent women intellectuals helped shape the debate on women's condition and on women's writing, but also their original contribution to the interpretation of twentieth century history (e.g. Fascism, the Resistance, the Second World War and the Holocaust). Among the literary theoretical issues we will encounter: the relationship of genre to gender, of gender to writing, and the role of gender values in historiographical representation. We shall read autobiographical and historical novels, as well as essays and non-fictional prose. The course will be complemented by a film and a lecture series. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT455 or ITA 301
Attributes: GEP Art/Literature, Undergraduate
ITALIAN STUDIES

IST 150 Ita Cinema-Neoreal to Present (3 credits)
This course investigates major Italian films as both aesthetic and cultural objects. It offers an introduction to Italian cinema from the 1940’s to the Present, and also to Italian social and cultural history of that time. It introduces major directors, movements, and genres in Italian cinema, focusing on movies that not only are influential masterpieces, but also offer incisive interpretations of their cultural and social milieus, including regional, ethnic and religious diversity; gender diversity; social tensions and class issues. Visconti, De Sica, Fellini, Scola, Belloccchio, Giordana are among the directors we study.
Attributes: First-Year Seminar, GEP Art/Literature, Undergraduate

IST 350 Mangia! Flavors of Italy (3 credits)
The expression “Mangia, mangia!” is commonly associated with American stereotypes of Italians. But is the perceived Italian love of food the same in the United States and in Italy? Is it an issue of quantity or quality? Of socio-economics, politics, or education? Is it global, local or both? In this interdisciplinary course, we will explore the role of food in Italian culture and in the shaping of Italian identity, in Italy and abroad. We will trace its evolution through a variety of texts: literature, works of art, music, and film, as well as family recipes. Guest lectures made by Italian chefs in Philadelphia, food tastings, and a visit to the Italian Market, will enrich the course. Fulfills the GEP Art/Lit requirement

IST 360 Italian Identities (3 credits)
In this course, taught in English, we will explore the complex nature of Italian Identities, focusing on race, sex and gender roles, religion, food, art and science. Fulfills the GEP Art/Lit requirement. Does not count toward a minor in Italian. Counts towards a major in Italian Studies and it may count toward the major in Italian, with permission of the Chair of Modern and Classical Languages.
Attributes: GEP Art/Literature, Undergraduate

IST 370 Topics in Italian Studies (3 credits)
The purpose of this course is to explore specific topics within the Italian-speaking World. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Classes are taught in English.
Attributes: GEP Art/Literature, Undergraduate

IST 375 Shadow State: Mafia in Italy (3 credits)
This course explores the nature of organized crime in Italy, its origins, its economic aspects, its connection with politics, its reality beyond stereotypes, and finally, the way it is portrayed in Italian Arts and literature. No pre-requisites required. Does not count toward a minor in Italian. May count toward the major, with permission of the Chair of Modern and Classical Languages. Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

JAPANESE

JPN 101 Beginning Japanese I (4 credits)
Proficiency-based instruction will encourage the development of speaking and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students with no experience with the Japanese language. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of JP101
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Asian Studies Course, Undergraduate

JPN 102 Beginning Japanese II (4 credits)
Proficiency-based instruction will encourage the development of speaking and listening comprehension, with some focus on understanding Japanese characters. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid level according to ACTFL – American Council on the Teaching of Foreign Languages. Prerequisite: Fulfills the GEP non-native language requirement.
Prerequisites: JPN 101 or JPN 101 or Language Placement with a score of JP102
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Asian Studies Course, Undergraduate
JPN 201 Intermediate Japanese I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of JP201 or JPN 102
Attributes: Asian Studies Course, Undergraduate

JPN 202 Intermediate Japanese II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Prerequisite: JPN 201 or equivalent.
Prerequisites: JPN 1211 or JPN 201
Attributes: Asian Studies Course, Undergraduate

JPN 211 Second Year Japanese I (3 credits)
JPN 212 Second Year Japanese II (3 credits)

JPN 301 Japanese Conversation (3 credits)
This course is designed to give the student the necessary practice in spoken and written Japanese with special emphasis on the more difficult modern Japanese grammatical constructions and idioms. Prerequisite: JPN 301 or equivalent.
Prerequisites: Language Placement with a score of JP301 or JPN 202
Attributes: Asian Studies Course, Undergraduate

JPN 302 Japanese Conversat & Compos II (3 credits)
This course is designed to give the student the additional practice in spoken and written Japanese with increased emphasis on the more difficult modern Japanese grammatical constructions and idioms. Prerequisite: JPN 301 or equivalent.
Prerequisites: JPN 1311 or JPN 301 or Language Placement with a score of JP302
Attributes: Asian Studies Course, Undergraduate

JPN 310 Selections in Japanese Lit I (3 credits)
Introduction to Japanese Literature and its history. Selected readings of plays, essays, novels, short stories and poetry. Taught in Japanese. Fulfills the GEP Art/Lit requirement
Prerequisites: Language Placement with a score of JP310 or JPN 301
Attributes: Asian Studies Course, GEP Art/Literature, Undergraduate

JPN 311 Selections in Japanese Lit II (3 credits)
JPN 330 Japanese Film and Culture (3 credits)

Russian

RUS 101 Beginning Russian I (4 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/middle level according to ACTFL – American Council on Teaching Foreign Languages. This course is reserved for students with no experience in the Russian language. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of RU101
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Undergraduate

RUS 102 Beginning Russian II (4 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid level according to ACTFL – American Council on Teaching Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: RUS 101 or Russian 102 Placement with a score of 1 or Language Placement with a score of RU102
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Undergraduate

RUS 201 Intermediate Russian I (3 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high level according to ACTFL – American Council on Teaching Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of RU201
Attributes: Undergraduate

RUS 202 Intermediate Russian II (3 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice intermediate low/mid-level according to ACTFL – American Council on Teaching Foreign Languages. Pre-requisite: RUS 201 or equivalent. Fulfills the GEP non-native language requirement.
Prerequisites: RUS 201 or Russian 202 Placement with a score of 1 or Language Placement with a score of RU202
Attributes: Undergraduate

RUS 301 Russian Conv & Comp I (3 credits)
This course is designed to give the student the necessary practice in spoken and written Russian with special emphasis on the more difficult modern Russian grammatical constructions and idioms. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of RU301
Attributes: Undergraduate
RUS 302 Russian Conv & Comp II (3 credits)
This course is designed as a follow-up to RUS 301, to give the student additional practice in spoken and written Russian with increased emphasis on difficult modern Russian grammatical constructions and idioms. Pre-requisite: RUS 202 or equivalent.
Prerequisites: RUS 1311 or RUS 301
Attributes: Undergraduate

RUS 310 Selections in Russian Lit I (3 credits)
Introduction to Russian literature and its history. Selected readings of plays, essays, novels, short stories and poetry. Fulfills the GEP Art/Literature requirement. Pre-requisite: RUS 202 or equivalent.
Prerequisites: Language Placement with a score of RU310
Attributes: Undergraduate

RUS 311 Selections in Russian Lit II (3 credits)
A continuation of RUS 310. Fulfills the GEP Art/Literature requirement.
Prerequisites: RUS 1311 or RUS 310
Attributes: Undergraduate

RUS 370 Topics in Russian (3 credits)

Spanish

SPA N001 Non-Credit: Spanish Special Top (1 credit)

SPA 101 Beginning Spanish I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is reserved for beginning students with no experience with the Spanish language. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of SP101
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Spanish 102 Placement, Spanish 201 Placement, Spanish 202 Placement or Spanish 301 Placement attributes may not enroll.
Attributes: Undergraduate

SPA 102 Beginning Spanish II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. Prerequisite: SPA 102 or equivalent. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.
Prerequisites: SPA 101 or Spanish 102 Placement with a score of 1 or Language Placement with a score of SP102
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Spanish 201 Placement, Spanish 202 Placement or Spanish 301 Placement attributes may not enroll.
Attributes: Undergraduate

SPA 111 Adult Learner Beginning SPA I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is reserved for PLS students with no experience with the Spanish language. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

SPA 112 Adult Learner Beginning SPA II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is reserved for PLS students with no experience with the Spanish language. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.
Prerequisites: SPA 110 or SPA 111
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

SPA 113 First Year Spanish III (4 credits)

SPA 115 1st Year Span II (Non-Begins) (4 credits)

SPA 117 1st Year Span III (Non-Begins) (4 credits)

SPA 201 Intermediate Spanish I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar, pronunciation, and writing will accompany active student participation in task-oriented group work in the classroom. Prerequisite: SPA 201 or equivalent. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement. With some limitations, this course may count toward the Latin American Studies minor.
Prerequisites: SPA 201 or Spanish 201 Placement with a score of 1 or Language Placement with a score of SP201
Restrictions: Students with the Spanish 202 Placement or Spanish 301 Placement attributes may not enroll.
Attributes: Latin American Studies Course, Undergraduate

SPA 202 Intermediate Spanish II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar, pronunciation, and writing will accompany active student participation in task-oriented group work in the classroom. Prerequisite: SPA 201 or equivalent. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.
Prerequisites: SPA 201 or Spanish 201 Placement with a score of 1 or Language Placement with a score of SP202
Restrictions: Students with the Spanish 301 Placement attribute may not enroll.
Attributes: Latin American Studies Course, Undergraduate

SPA 210 Intermediate Spanish I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in classroom. This course is reserved for PLS students. Prerequisite: SPA 111 or equivalent. Fulfills the GEP non-native language requirement.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

SPA 211 Intermediate Spanish II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in classroom. This course is reserved for PLS students. Fulfills the GEP non-native language requirement.
Prerequisites: (SPA 211 or SPA 1211)
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate
SPA 212 Second Year Spanish II (3 credits)

SPA 301 Spanish Conversation (3 credits)
This course is designed to help students improve their oral communication skills in Spanish through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students’ attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement. With some limitations, this course may count toward the Latin American Studies minor.
Prerequisites: SPA 202 or Spanish 301 Placement with a score of 1 or Language Placement with a score of SP301
Attributes: Latin American Studies Course, Undergraduate

SPA 302 Spanish Composition (3 credits)
This course is designed to improve students’ ability to communicate in written Spanish and to develop the writing skills they will need to succeed in advanced Spanish courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. This course is not open to native or heritage speakers of Spanish. Prerequisite: SPA 301 or permission of the instructor. This course satisfies the GEP Writing Intensive requirement component. With some limitations, this course may count toward the Latin American Studies minor.
Prerequisites: SPA 301 or Spanish 302 Placement with a score of 1 or Language Placement with a score of SP302 and ENG 101
Attributes: Latin American Studies Course, Undergraduate, Writing Intensive Course- GEP, Writing Centered Course

SPA 303 Spa Conv for Heritage Speakers (3 credits)
This course is designed for Hispanic/Latino students whose family origin is a Spanish-speaking country and who speak Spanish in their households. The course aims to build vocabulary and develop oral and writing skills through the study of culture and topics of current interest from throughout the Spanish-speaking world. This course is open only to native and heritage speakers of Spanish. With some limitations, this course may count toward the Latin American Studies minor.
Prerequisites: Spanish 303 Placement with a score of 1 or Language Placement with a score of SP303
Attributes: Latin American Studies Course, Undergraduate

SPA 304 Sp Comp for Heritage Speakers (3 credits)

SPA 306 Spanish Conv & Composision II (3 credits)

SPA 310 Intro to Lit of Sp-Spkng Wrld (3 credits)
Through literature we can explore both the culture of a people and the universal themes and struggles that unite us. The experience of literature is enhanced when one has the framework for understanding literary works in their contexts. The purpose of this course is to introduce students to the reading and discussion of literature in Spanish. Students will read selections in both prose and verse. Authors and texts will vary but will represent the literatures of Latin America and Spain. This course is part of the Latin American Studies Program and as such will present a majority of works from Latin America. Satisfies the Art/Lit requirement. Latin American Studies.
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP310
Attributes: GEP Art/Literature, Latin American Studies Course, Undergraduate

SPA 311 Introduc to Spanish Literature (3 credits)
This course introduces students to major literary works and also “non-canonical” texts of Spain’s literature. Through a representative sampling of short stories, poems, essays, and plays, students are introduced to the analysis of the principal literary movements from medieval times to contemporary Spain. The course also examines non-canonical genres like comic, graphic novel, and flash fiction. Fulfills the GEP Art/Lit requirement.
Prerequisites: SPA 302 or SPA 303
Attributes: GEP Art/Literature, Undergraduate

SPA 312 Span Conversation & Comp II (3 credits)

SPA 320 Cur Evnts in the Sp-Lang Media (3 credits)
This course is designed to help students advance their communication skills in Spanish as well as their critical thinking skills as they research and discuss current issues in Latin America, as reported in the Spanish-language media. Topics will fall under a wide range of categories, such as ecology and the environment, social issues, international and domestic politics, culture (both popular and “high”), business and economics, and science and technology. Primary sources of information include Spanish-language online journals, radio and television broadcasts. Latin American Studies.
Prerequisites: SPA 302 or SPA 303
Attributes: Undergraduate

SPA 330 Spanish for Business (3 credits)
This course will acquaint the student with business terminology and phraseology used in Spain and Latin America. Business letters will be composed and answered in Spanish. Special information on such fields as advertising, foreign trade, transportation, money, banking, and finance will be presented and studied in Spanish. Problems of grammar and style will be studied as the need arises. Prerequisite: SPA 301 or 303.
Prerequisites: SPA 301 or SPA 303
Attributes: Undergraduate

SPA 331 Span for Internatnl Business (3 credits)
This course is principally for students who are majoring in the Haub School of Business. This class will assist students in a career in Business or International Relations. Comparisons will be made among the business practices of different Spanish speaking countries. All activities will be in Spanish. Prerequisite: SPA 301 or 303.
Prerequisites: SPA 301 or SPA 303
Attributes: Undergraduate

SPA 340 Advanced Spanish Conversation (3 credits)
The purpose of this advanced level course is to help students improve their oral Spanish by engaging in a variety of interactive tasks. Students will build on their current knowledge of Spanish grammar and vocabulary and will be encouraged to take linguistic risks. They will be given opportunities to create sustained discourse and to communicate in various contexts in order to accomplish a variety of communicative functions. This course is not open to native or heritage speakers of Spanish. Prerequisite: SPA 301.
Prerequisites: SPA 1321 or SPA 1331 or SPA 1341 or SPA 302 or SPA 310 or SPA 311 or Language Placement with a score of SP340
Attributes: Undergraduate

SPA 341 Advanced Spanish Composition (3 credits)
This advanced level course is designed to build on students’ current Spanish writing skills. The course is aimed at improving students’ ability to communicate in written Spanish in various writing contexts. Students’ writing skills are developed through a process-oriented approach to writing. Prerequisite: SPA 302 or 303.
Attributes: Undergraduate
SPA 342 Advanced Spanish Grammar (3 credits)
This course will provide a detailed review of Spanish grammar, analyzed on both theoretical and applied levels. We will consider discursive, lexical and syntactic topics related to the Spanish language that represent areas for linguistic analysis and are usually problematic for advanced English-speaking learners of Spanish. This course is designed to help students begin to develop skills in linguistic analysis as well as improve their knowledge about and use of Spanish grammar. This course will benefit students who are majoring or minoring in Spanish as well as students who are specifically considering careers in which Spanish will play a central role. Emphasis will be placed on the role of linguistics and grammatical competence in language teacher education. Students will consider how these topics affect the relationship between their understanding of grammatical structures and their actual oral and written proficiency. This course also counts for a Linguistics minor. This course is not open to native or heritage speakers of Spanish. Prerequisite: SPA 302 or permission of instructor.
Prerequisites: SPA 302
Attributes: Undergraduate

SPA 350 Intro to Latin Amer Cultures (3 credits)
The purpose of this course is to orient students to the diverse peoples and places of Latin America. Students will use Spanish to discuss the geography, history, politics and cultures of the region. Some attention will be paid to current issues in Latin America, as reported in online news sources from the region. Prerequisite: SPA 302 or 303 (the latter as pre or co-requisite). This course satisfies the Non-Western Area Studies requirement. Latin American Studies.
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP350
Attributes: Latin American Studies Course, Non-Western Studies (GEP), Undergraduate

SPA 351 Intro to Spanish Cultures (3 credits)
The purpose of this course is to orient students to Spain’s rich and diverse cultural heritage, varied terrain and dynamic history. Students will also discuss current issues and events, as reported in Spanish online news sources. Prerequisite: SPA 302 or 303 (the latter as pre or co-requisite). Students may not count both 351 and 356 for credit toward a Spanish major or minor. Both may be taken but only one may count for major/minor credit. The other may count for elective credit, and SPA 356 can satisfy the GEP Art/Lit requirement.
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP351
Attributes: Undergraduate

SPA 352 Modern to Postmod City in SpCulture (3 credits)
Cities are the stage of social and political changes at the same time that these events transform the urban space. On occasion, alterations are sudden and traumatic such as the devastation and reconstruction after a war. However, transformations are most often caused by economic and social factors which are subtle and happen over a long period of time. For these reasons, the city has captivated the imagination of writers and filmmakers alike. This course examines representations of Spanish cities from the nineteenth to the early twenty-first century. The course will be divided into three periods in which Spanish society and its main cities underwent important changes. The first analyzes the incipient modernization of the society during the second half of the nineteenth century and early twentieth century. The second focuses on the years after the Civil War, examining the socioeconomic hardships of the 40s and 50s, the reconstruction of the urban space, and the rural immigration to Madrid and Barcelona due to the shift from an agricultural to an industrial economic model. Finally, the third period signals the incorporation of Spanish society into the global world during the last thirty years. The new democracy not only implied new rights, but also opening up to the free market and rampant capitalism which transformed the structure of society and cities. Fulfills the Art/Lit requirement.
Prerequisites: SPA 302 or SPA 303
Attributes: GEP Art/Literature, Undergraduate

SPA 355 Rio de la Plata: Study Tour (3 credits)
This course is a study tour of different geographical points of the Southern Cone region (South America): Montevideo, Colonia and Punta del Este (Uruguay), Buenos Aires and Iguazú Falls (Argentina). The aim of the course is to improve students’ knowledge of Latin American socio-political, historical and cultural reality—of the Southern Cone region, in particular—, through the study of the history, geography and sociology of the region, as well as through the study of its literature, music, painting, and other artistic manifestations. Lectures, visits to museums and cultural sites, films, and meetings with local personalities will be part of our activities. Students will be able to focus on a field of interest in their research papers, sharing their findings with the class in oral presentations. Lectures, readings, journals, discussions, oral presentations, exams and papers will be in Spanish. This course counts toward a minor or major in Spanish, or it can be used as an elective course. Prerequisite: Fulfills the Art/Lit requirement. Latin American Studies.
Attributes: GEP Art/Literature, Undergraduate

SPA 356 Spain: Study Tour (3 credits)
Spain is one of the most dynamic countries in Europe today. It’s a mixture of the old and new. Some of the major influences of the ancient and contemporary worlds will be studied through history, literature, film, art, architecture, regional languages, politics, economic development and music. The highlight of the course is the experience in Spain itself. Prerequisite: SPA 301 or 303 or permission of the instructor. Students may not count both 351 and 356 for credit toward a Spanish major or minor. Both may be taken but only one may count for major/minor credit. The other may count for elective credit. Fulfills the Art/Lit requirement.
Prerequisites: SPA 301 or SPA 303
Attributes: GEP Art/Literature, Undergraduate
SPA 360 Spanish in the Community (4 credits)
This service-learning course focuses on cultural, social, historical, linguistic, and political issues relevant to Latin communities in Philadelphia. The course is designed to promote solidarity with Latinos, learn about cultural norms and values, reflect on issues of social justice prevalent in these communities, and develop oral and written proficiency in Spanish. Class materials include both written and community texts, presentations, film and news media. Active participation in both the community and the classroom are key components of the course. In addition to classes on campus, each student will carry out three hours per week of work at a designated service placement site in a Latin community in or near Philadelphia. This class focuses on learning how to "read the texts" of your service experience, how to read the texts of concepts and theories and how to make connections between the two.
Prerequisite: SPA 302 or 303. This is a Service Learning course. Latin American Studies.
Prerequisites: SPA 302 or SPA 303
Attributes: Latin American Studies Course, Undergraduate

SPA 361 Faith, Just & SpSpking Com II (4 credits)

SPA 370 Topics in Spanish (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Spanish-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Prerequisite: SPA 302 or 303.
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP370
Attributes: Undergraduate

SPA 375 Translation (3 credits)

SPA 380 Intro to Spanish Linguistics (3 credits)
This course is an introduction to the study of language and principles of Spanish linguistics including: the sound system (phonetics and phonology), the formation of words (morphology), sentence structure (syntax), as well as word and sentence meaning (semantics); in addition, we will discuss linguistic change throughout time (historical linguistics), linguistic variation in geographical space (dialectology) and within society (sociolinguistics), language use for communication (pragmatics), language learning (second language acquisition), and language teaching (pedagogy and applied linguistics). This course also counts for a Linguistics minor. Prerequisite: SPA 301 or 303.
Prerequisites: SPA 301 or SPA 303 or Language Placement with a score of SP380
Attributes: Undergraduate

SPA 396 Spanish AP Course (3 credits)

SPA 401 Topics in Latin Am Cultures (3 credits)
This course is a focused study of select aspects of Latin American cultures. It is designed to help students build a framework for understanding some of the geographical, historical, social, and political circumstances that have shaped Latin American realities and cultural manifestations. The course will take a thematic approach, and topics will vary. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300 or 400 level. It would be helpful though not required that the student have some kind of introduction to Latin America prior to or concurrent with this course. Latin American Studies.
Attributes: Non-Western Studies (GEP), Undergraduate

SPA 402 Topics in Spanish Cultures (3 credits)
This course provides an in-depth look at select aspects of Spanish cultures and civilization. It also provides a framework for understanding these cultural manifestations within their geographical, historical, political and social contexts. The course will take a thematic approach, and topics will vary. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300 or 400 level. It would be helpful though not required that the student have some kind of introduction to Spain prior to or concurrent with this course.
Attributes: Undergraduate

SPA 410 Old Wrd to New Wrd Hsp Lit (3 credits)
SPA 411 Mod Wld to Pres Wld in Hsp Lit (3 credits)
SPA 420 Major Latin American Authors (3 credits)
An in-depth study of selected texts by major authors in different genres (poetry, fiction, essay, and theater) with special emphasis on the interrelationship of genre, form, and content. Fulfills the GEP Art/Lit requirement. Latin American Studies.
Prerequisites: Language Placement with a score of SP420
Attributes: GEP Art/Literature, Undergraduate

SPA 421 Shrt Mod Latn Am Novel & Film (3 credits)
Analyzing these “novelas” we study the (re)construction of national identity through the modern literary discourse in particular, and the question of the development of Latin American identities, in general.
Goals: throughout our literature readings and analysis we intend to answer questions such as how do these narrative texts articulate a discourse of Latin American identity; how is Latin America culturally different; what makes it culturally "the other" in relation to Occidental hegemonic cultures; should we talk about Latin American identity or/ and regional/ national identities. Ways of approaching the identity questions may be: studying technical innovations that disarticulate the traditional realistic discourse of the novel of XIX century; seeing the ways these texts re-textualize the social history of Latin-America, like for example the testimonial novel; studying some examples of magical realism and the fantastic as forms of constructing/ textualizing our identities; mapping Latin American region, cities/country; studying the ways that Latin American people are constructed in this narrative, as well as their cultures, reaching the political, ideological, social subtexts of these novels. Possible authors: Gómez de Avellaneda, Bombal, Onetti, R. Castellanos, E. Garro, Sábato, Fuentes, Vargas Llosa, Carpentier, García Márquez, Rufio, Benedetti, M. Traba, Peri Rossi, Cortázar, Galeano, T. Mercado, Giardinelli, A. Gorodischer, L. Heker, S. Molloy, G. Gambaro, I. Verolín, among others. Fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: Undergraduate
SPA 422 Cult, Dictshp & Exile: 1973-85 (3 credits)
In this course we study different aesthetic discourses of the dictatorship period between 1973 and 1985, in the Latin American Southern Cone. According to the theories of Jameson and Terdiman, among others, we consider these discourses as an arena of social and ideological struggle. We will elucidate the ways in which these cultural texts register and articulate that struggle in relation to the social and political situation of the region. In addition, we will consider the different ways social imaginary is refracted in those aesthetic products, reconstructing the ideologies within their subtexts. Some of the following cultural expressions of the period are selected to be studied in this course: Movies/Videos: Un lugar en el mundo, Los ojos de los pájaros, Missing, La historia oficial (The Official History), La noche de los lápices, Death and the Maiden, School of Assassins, Machuca. Literary Texts: narrative by Partnoy, Galeano, Traba, Benedetti, Valenzuela, Dorfman; poetry by Benedetti, Rosencof, Gelman, La canción de los presos (Anonymous). Lyrics: by D. Viglietti, M. Sosa, V. Jara, L. Gieco, Sting, among others. Fulfills the GEP Art/Lit requirement. Latin American Studies.
Prerequisites: SPA 310 or SPA 350
Attributes: GEP Art/Literature, Latin American Studies Course, Undergraduate

SPA 423 Latin Am Modern Short Story (3 credits)
This course includes the reading of short stories and nouvelle within the boundaries of a social and ideological framework. The (re)construction of national identities through modern narrative discourse and the development of a Latin American identity in general will be discussed in this course. Authors: Darío, Quiroga, Felisberto Hernández, Borges, Biy Casares, Mujica Láinez, Cortázar, Onetti, Poniatowska, Rufio, Carpenter, García Márquez, Galeano, Haroldo Conti, L. Padura Fuentes, R. Arenas, Irma Verónin, M. L.Valenzuela, R. Ferré, Zoé Valdés, A. Somers, Benedetti, Peri-Rossi, etc. Students’ tasks may include: journal of critical readings; mid-term and final exams; final research paper. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: GEP Art/Literature, Undergraduate

SPA 424 Discourse of Lat Am Modernity (3 credits)
This course will focus on the use of the poetic discourse of Latin American Modernity as a means of constructing identity, from an aesthetical-ideological perspective. We will analyze this poetic discourse beginning with Modernism on through the Transitional Period and the Vanguard, ending with the poetry of social issues of the 70s. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: GEP Art/Literature, Undergraduate

SPA 425 Imagery of the Conquest (3 credits)
Most official histories of early contact between Europeans and Amerindians in Latin America will present a Eurocentric version of American reality. This course will explore Amerindian and mestizo perspectives as expressed through a variety of texts, such as narrative, poetry and song, illustrations and painting, maps, uprisings, and other forms of expression. The objective is to better understand pre-Colombian civilizations and the effects of European colonization on Amerindian cultures. The course will analyze how Amerindian and mestizo subjects authorize their voices, represent their own unique identities, and respond to the cultural changes brought about through conquest and colonization. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300-400 level. It would be helpful though not required that the student have some kind of introduction to Latin America prior to or concurrent with this course. This course fulfills the GEP Art/Lit and the Non-Western Studies requirements. Latin American Studies.
Attributes: GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

SPA 426 Culture in Revolution (3 credits)
In this course students will become familiar with three main milestones of Latin American history and culture in the 20th century: the Mexican, Cuban and Nicaraguan Revolutions. Beginning with a discussion of the concept of “revolution” and a brief historical introduction to these periods, we will focus specifically on the cultural policies of the new regimes, with particular emphasis on the literacy campaigns derived from those policies. Students will also become familiar with the different cultural manifestations of those periods, including literature, visual arts, and popular music. Prerequisites: SPA 302 or 303; and either SPA 310, 350 or 355 or permission of instructor. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Prerequisites: (SPA 310 or SPA 350 or SPA 355)
Attributes: GEP Art/Literature, Undergraduate

SPA 427 Iden & Power in Am:1350-1650 (3 credits)
In this interdisciplinary course, students will use both primary and secondary sources to examine the construction of identities and the relations between different kinds of power—for example, military, social, political—among three distinct peoples who built imperial states in the Americas: the Aztec, the Inca, and the Spanish. The first part of the course will address each of these three cultures in the era leading up to the Spanish exploration and conquest of the Americas. In the second part of the course, students will analyze changes in the construction of identity and power wrought by European-indigenous contact. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: GEP Art/Literature, Undergraduate

SPA 430 Nar of Euro Explor & Con in Am (3 credits)
SPA 431 Commonplaces of Colonial Exp (3 credits)
In this course students think about how various spaces became places through human experience in Colonial Spanish America. They engage in reflective discussion about the physical conditions, value systems, beliefs and politics that created such places and, in some cases, have changed their meaning over time. They explore the dynamics of spaces endowed with different values by different peoples at different times. Through these discussions students think about some commonplaces of colonial experience, as well as the experience of colonial legacies and colonial places in the 21st century. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300 or 400 level. It would be helpful though not required that the student have some kind of introduction to Latin America prior to or concurrent with this course. This course fulfills the Art/Lit and the Non-Western Area Studies requirements. Latin American Studies.
Prerequisites: SPA 302 or SPA 303
Attributes: GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

SPA 440 Major Spanish Authors (3 credits)
A study in depth of one or two major authors; the choice to be determined by the instructor. This course fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 441 Love, Cortshp & Vio in Med Lit (3 credits)
SPA 442 Passions Hrt & Soul in Imp Snp (3 credits)
SPA 443 Gender, Sexility & Soc Conflict (3 credits)
Reading, discussion, and analysis of selected works in 16th and 17th century Spanish drama. This course fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate
SPA 440 Don Quixote (3 credits)

SPA 445 Lit Spn of Ignatius of Loyola (3 credits)

SPA 446 Romanticism and Realism (3 credits)

SPA 447 The Gen of 1898 & Modernismo (3 credits)
A seminar course on some of the authors of this generation, Unamuno, Machado, Maria Martínez Sierra, and the impact of Modernismo on Spanish literature. This course fulfills the GEP Art/Lit requirement.

Attributes: GEP Art/Literature, Undergraduate

SPA 448 The Posguerra Generation (3 credits)
An in-depth study of the contemporary figures of Spanish literature from the Spanish Civil War to Franco’s death. Emphasis will be placed on the new trends in the novel and the theater. This course fulfills the GEP Art/Lit requirement.

Attributes: GEP Art/Literature, Undergraduate

SPA 449 Spanish Literature and Film (3 credits)
Films by contemporary Spanish directors (Buñuel, Saura, Camus, Erice) based on literary works from the 19th and 20th centuries (Galdós, Unamuno, Lorca, Delibes) comparing cinematographic techniques with their literary counterparts. Emphasis will be placed on a theoretical approach as well as the socio-political context of the respective works. This course fulfills the GEP Art/Lit requirement.

Attributes: GEP Art/Literature, Undergraduate

SPA 450 Spain into the 21st Century (3 credits)
A seminar on the cultural changes which have taken place in Spain since Franco’s death in 1975, as they are reflected in the contemporary novel, short story, and film. The objective of the course is to give a comprehensive understanding of the "New Spain" which has emerged in the last thirty years of Democracy. Our approach will be a critical analysis of the works paying attention to literary and cultural trends, themes and techniques within the context of the socio-political times. Readings, class discussions, oral presentations, and papers will be totally in Spanish. This course fulfills the GEP Art/Lit requirement.

Attributes: GEP Art/Literature, Undergraduate

SPA 451 Narrative cine la Esp democrat (3 credits)
This course examines narrative and film in Spain from the demise of the Franco dictatorship (1975) until today. In doing so, the course focuses on cultural and aesthetic renovations such as the cinema of Pedro Almodovar in the “movida madrileña” and the new representations of Spanish youth in the 1990s with the “generación Kronen.” This course also analyzes additional approaches for understanding Spanish culture through the social cinema of Fernando León de Aranoa, and the role of Franco’s traumatic dictatorship in today’s society. Finally, we will examine the current socioeconomic crisis in Spanish society and how it affects younger generations.

Prerequisites: SPA 302 and (SPA 310 or SPA 350 or SPA 355) and PHL 154

Attributes: Ethics Intensive (New GEP)

SPA 452 Hist. on Screen: Hist/Culture (3 credits)
This course examines Spain’s history and culture through the analysis of historical films. The course begins with an introduction to the concept of History and a definition of historical films. After this introduction the course will focus on some key historical periods of Spanish history such as the Conquest of America with Iciar Bollain’s feature film También la lluvia; the rise and decay of the Spanish empire in Alatriste by Augustin Diaz Yanes; and the Spanish Civil War with the analysis of José Luis Saénz de Heredia’s Raza, among others. The class also deals with cultural issues that have affected Spain throughout its history focusing on issues of national and regional identity such as, for instance, the separatist movement of part of Basque Country’s society and the terrorist group ETA in the documentary La pelota vasca by Julio Médem. In addition to introducing students to key moments and aspects of Spanish history and culture, this course invites students to think critically about History’s objectivity and how historical events are often shaped to satisfy current political projects. Other underlying issues will be reflected on whether film may be considered History. Fulfills the GEP Art/Literature requirement.

SPA 455 Women in Spanish Literature (3 credits)
Feminist interpretation of major works of a given period of Peninsular or Latin American literature. Choice to be determined by instructor.

Prerequisite: SPA 310. This course fulfills the Art/Lit requirement.

Attributes: GEP Art/Literature, Undergraduate

SPA 456 Women’s Voices in 20th Cen Fic (3 credits)

SPA 460 A Ling Approach to Oral Com (3 credits)
In this course, we will analyze communication from a linguistic perspective and also focus on the development of advanced oral communication skills. Drawing on current research in the field of linguistics (including discourse analysis, cross-cultural communication, semantics, pragmatics, etc.) we will explore various aspects of "communication" as well as study methods used to investigate oral communication. Significant class time will also be devoted to the continued development of students' own communicative competence and oral language proficiency. Students will engage in activities aimed at developing their interpersonal and presentational communicative skills. This course will be beneficial to students who are majoring or minoring in Spanish as well as those who plan to use Spanish for personal or professional reasons outside the classroom. Because of its emphasis on communication skills for non-native speakers, this course is not open to native or heritage speakers of Spanish. This course also counts for a Linguistics minor. Prerequisite: SPA 302.

Prerequisites: SPA 302

Attributes: Undergraduate

SPA 461 Methods for Teaching Spanish (3 credits)
This course is designed for students who are potentially interested in teaching Spanish at the university, secondary or elementary levels. We will explore general aspects of Spanish phonology, morphology, syntax, and semantics as they bear upon teaching the Spanish language. Topics discussed include second language acquisition, pedagogical theory, materials preparation and language teaching methodology. This course also counts for a Linguistics minor. Prerequisites: SPA 302 or 303; and SPA 380.

Prerequisites: (SPA 380) and SPA 302 or SPA 303

Attributes: Undergraduate
SPA 466 Spanish Dialectology (3 credits)
In this course, students will become familiar with the range of dialect features exhibited in the Spanish spoken in Spain, Latin America, and the US. We will also discuss the relationship between language and dialect, examine the role of the standard language in both written and oral usage, and identify the factors that have contributed to the diversity of the Spanish language. This course also counts for a Linguistics minor.
**Prerequisites:** SPA 302 or 303, Latin American Studies.
**Attributes:** Latin American Studies Course, Undergraduate

SPA 467 Lang Contact & Pol in U.S. (3 credits)
This course is designed to engage students in a review critical analysis of the history and politics of language contact within the context of the United States. Given the demographic shifts in population taking place currently in the U.S., the course will focus primarily on the contact between Spanish and English. We will discuss bilingualism and the characteristics of language contact, language ideologies, language planning and policy, official English movements, and bilingual education. We will examine the language of hegemony used to maintain the dominance of English vis-a-vis Spanish (and other languages) present in our society. We will also do some comparative study connecting this reality to what is happening with Spanish in other situations of language contact. This course also counts for a Linguistics minor. Prerequisite: SPA 302 or SPA 303
**Attributes:** Diversity requirement. Latin American Studies.

SPA 468 Spanish Phonetics & Phonology (3 credits)
This course consists of a theoretical investigation of the phonetic/phonological system of the Spanish language. Practical emphasis will be placed on aspects of the Spanish sound system that are typically problematic for the native speaker of English learning Spanish. The course will also consist of an investigation of some of the more salient features of Spanish dialectology at the phonetic and phonological levels. This course also counts for a Linguistics minor. Prerequisite: SPA 302 or 303.
**Prerequisites:** SPA 302 or SPA 303
**Attributes:** Undergraduate

SPA 470 Topics in Spanish (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Spanish-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Prerequisites: SPA 302 and at least one 300-level SPA course in culture or literature (such as 310, 350, 351, 355 or 356) or instructor’s approval.
**Prerequisites:** SPA 302 or Language Placement with a score of SP470
**Attributes:** Undergraduate

SPA 480 Topics in Spanish Linguistics (3 credits)
The purpose of this course is to explore specific topics within the field of linguistics as they relate to the Spanish language. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. This course also counts for a Linguistics minor. Prerequisite: SPA 302 or 303.
**Prerequisites:** SPA 302 or SPA 303
**Attributes:** Undergraduate

SPA 490 Spanish Internship I (3 credits)
This course is a practicum in which the student applies his/her communication skills in Spanish in a work environment related to his/her professional area. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place in order to discuss the course requirements and expectations. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or will deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Spanish majors or minors who have completed the other course requirements for the major or minor.
**Prerequisites:** SPA 302 or 303.
**Attributes:** Undergraduate

SPA 491 Spanish Internship II (3 credits)
This course is a practicum in which the student applies his/her communication skills in Spanish in a work environment related to his/her professional area. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place in order to discuss the course requirements and expectations. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or will deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Spanish majors or minors who have completed the other course requirements for the major or minor.
**Prerequisites:** SPA 302 or 303.
**Attributes:** Undergraduate

SPA 493 Independent Research in Span I (3 credits)
Prerequisites: SPA 310; and 350, 351, 355 or 356; and 380. Also, non-heritage speakers of Spanish need to have taken SPA 302.
**Attributes:** Undergraduate

SPA 494 Independent Research in Spn II (3 credits)
Prerequisites: SPA 310; and 350, 351, 355 or 356; and 380.
**Attributes:** Undergraduate

### Chinese Language and Culture Minor
Requirements for the minor are: 6 courses (18 credits), including the following, with one course in Chinese culture, which may be taken in English, from a pre-approved list.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHN 102</td>
<td>Beginning Chinese II</td>
<td>4</td>
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<tr>
<td>CHN 201</td>
<td>Intermediate Chinese I</td>
<td>3</td>
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<tr>
<td>CHN 202</td>
<td>Intermediate Chinese II</td>
<td>3</td>
</tr>
<tr>
<td>CHN 301</td>
<td>Chinese Conv and Comp I (and higher)</td>
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### Francophone Studies Major
**Learning Goals and Objectives**

*On completing the major in Francophone Studies, students will:*

**Goal 1.** Have a nuanced understanding of the Francophone world as a whole, viewed through multiple disciplinary perspectives.
Objective 1.1: Students will be able to display knowledge of the formal structures of La Francophonie.

Objective 1.2: Students will demonstrate an ability to apply theoretical frameworks, intellectual standards or analytical techniques from at least two distinct disciplines to issues in the Francophone world.

Goal 2. Have an understanding of the colonial and postcolonial history of France and at least one other region in the Francophone world.

Objective 2.1: Students will be able to speak in general terms about the historical background and the postcolonial evolution of metropolitan France and at least one other French-speaking region of the world.

Objective 2.2: Students will demonstrate an ability to speak and write knowledgeable about colonial and postcolonial relations between at least one Francophone region and metropolitan France.

Goal 3. Have an understanding of one significant culture of a major Francophone region, including its relations with mainstream French language and cultural traditions.

Objective 3.1: Students will demonstrate an ability to speak knowledgeable about one significant Francophone culture outside of France.

Objective 3.2: Students will be able to explain the cultural relations of at least one Francophone region with France.

Goal 4. Be able to use French effectively as a vehicle for communication.

Objective 4.1: Students will demonstrate that they can narrate and describe in spoken French with few major errors.

Objective 4.2: Students will demonstrate that they can compose substantive written texts in French with few major errors.

Objective 4.3: Students will be able to pursue research, gather data, do analysis and report results and conclusions by using French as a tool of investigation and as a means of communication.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

GEP Electives
A varying number of courses, typically nine to twelve.

Major Concentration
The Francophone Studies major is an interdisciplinary program designed for students interested in the language, literature and culture of France, but also the art, history, philosophy and political systems of the wider French-speaking world. The major is also appropriate for students interested in multiple academic disciplines and cross-discipline perspectives. The Francophone Studies major requires 10 courses:

• All students must complete FRE 315, The Francophone World (or a substitute course in French/Francophone culture/civilization)
• A minimum of four additional courses in French language, culture or literature, of which two will be at the level FRE 301-FRE 320 and two will be at the level FRE 321 or higher.
• The other five courses may be in English and will be chosen from at least two of the three categories listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 202</td>
<td>Late Antique and Medieval Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 205</td>
<td>NeoClassic-Impression1780-1880</td>
<td>3</td>
</tr>
<tr>
<td>ART 206</td>
<td>Impressionism</td>
<td>3</td>
</tr>
<tr>
<td>ART 208</td>
<td>Modern Art &amp; Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ART 209</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>REL 271</td>
<td>African &amp; Caribbean Religions</td>
<td>3</td>
</tr>
<tr>
<td>HIS 327</td>
<td>Trans in Early Mod Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIS 343</td>
<td>African Ethnicities</td>
<td>3</td>
</tr>
<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 115</td>
<td>Introduction to Global Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 335</td>
<td>Comp Pols of MENA</td>
<td>3</td>
</tr>
<tr>
<td>LTT 461</td>
<td>Franco-Afro-Caribbean Story</td>
<td>3</td>
</tr>
<tr>
<td>ECN 460</td>
<td>African Economies</td>
<td>3</td>
</tr>
<tr>
<td>PHL 304</td>
<td>African Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 463</td>
<td>French Existentialism</td>
<td>3</td>
</tr>
</tbody>
</table>

French Major

Mission
In a complex, increasingly interdependent world community, the French program helps students become articulate, knowledgeable and culturally aware global citizens in accordance with the values and traditions of Saint Joseph’s University and of the Society of Jesus. We actively pursue this mission by:

• Fostering proficiency in French
• Promoting an appreciation for the richness and complexity of language in general
• Deepening students’ understanding of cultural diversity
• Encouraging student engagement in active, collaborative and critical learning in the French-language classroom
• Emphasizing learner-centered pedagogy and care for the individual

On completing the major in French, students will:

**Goal 1: Effective communication in the target language (TL)**

**Outcome 1.1:** Students will narrate and describe in the TL in spoken form in all major time frames using connected discourse of paragraph length with general clarity of lexicon and a moderate level of detail.

**Outcome 1.2:** Students will compose written texts in the TL that summarize, evaluate or describe concrete or abstract items, notions, events or persons, in major time frames in paragraph length discourse, with a lexicon relevant to the topic.

**Goal 2: Critical and interpretive thinking in the target language (TL)**

**Outcome 2.1:** Students will interpret and analyze the main ideas, relevant facts and details about works of literary, cinematic and/or artistic expression in the target language (TL).

**Outcome 2.2:** Students will be able to pursue research, gather data, do analysis and report results by using TL as a tool of investigation and as a means of communication.

**Goal 3: Knowledge of the target language (TL) culture(s)**

**Outcome 3.1:** Students will be able to describe accurately in the TL with moderate detail some aspect of the TL cultures (perspectives, products, and/or practices)

**Outcome 3.2:** Students will compare and contrast in the target language similarities and differences between the students’ own cultures and those of the target language (TL).

**Goal 4: Inclusion and diversity**

**Outcome 4.1:** Students will articulate and defend multiple perspectives on diverse human beliefs, abilities, experiences, identities, or cultures in a global context.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**
See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**
See this page about Variable courses (p. 26). Six to Nine courses

**General Education Overlays**
See this page about Overlays (p. 27).

**General Education Integrative Learning Component**
See this page about Integrative Learning Component (p. 27). Three courses

**GEP Electives**
A varying number of courses, typically nine to twelve.

**Major Concentration**
The French major emphasizes the acquisition of competence in spoken and written French, a sound understanding of the structures of modern French, and the ability to understand and analyze literary texts and cultural notions from a variety of periods. All courses are offered in French.

Course requirements for the major in French are as follows:

- Three courses numbered 202 to 320
- Seven courses numbered 321 or higher

Students in French are strongly encouraged to participate in a study abroad program in France, Quebec, Canada; or Senegal (or another country). Please see Study Abroad. Courses from other institutions must be pre-approved by the Associate Dean of Humanities in consultation with Dr. Burr, the study abroad coordinator in French.

**Study Abroad Courses**
For summer study at the Université Laval in Quebec, Canada; and semester-long programs in Paris, France; and Dakar, Senegal, see Study Abroad.

**French Honor Society**
The department has an active chapter of Pi Delta Phi, the National French Honor Society. A yearly initiation ceremony is held during the spring semester. Qualified students are encouraged to apply; please contact the French faculty for more information.

**French Minor**
Completing the French Minor requires taking six courses (18 credits) numbered FRE 202 or higher. For further information, please contact Dr. Kristin Burr.

**German Major**

**Learning Goals and Objectives for the Major in German**

**Goal 1: Effective communication in the target language (TL)**

**Outcome 1.1:** Students will narrate and describe in the TL in spoken form in all major time frames using connected discourse of paragraph length with general clarity of lexicon and a moderate level of detail.

**Outcome 1.2:** Students will compose written texts in the TL that summarize, evaluate or describe concrete or abstract items, notions,
events or persons, in major time frames in paragraph length discourse, with a lexicon relevant to the topic.

**Goal 2:** Critical and interpretive thinking in the target language (TL)

**Outcome 2.1:** Students will interpret and analyze the main ideas, relevant facts and details about works of literary, cinematic and/or artistic expression in the target language (TL).

**Outcome 2.2:** Students will be able to pursue research, gather data, do analysis and report results by using TL as a tool of investigation and as a means of communication.

**Goal 3:** Knowledge of the target language (TL) culture(s)

**Outcome 3.1:** Students will be able to describe accurately in the TL with moderate detail some aspect of the TL cultures (perspectives, products, and/or practices)

**Outcome 3.2:** Students will compare and contrast in the target language similarities and differences between the students’ own cultures and those of the target language (TL).

**Goal 4:** Inclusion and diversity

**Outcome 4.1:** Students will articulate and defend multiple perspectives on diverse human beliefs, abilities, experiences, identities, or cultures in a global context.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. **Diversity, Globalization or Non-western Area Studies,**
2. **Ethics Intensive,** and
3. **Writing Intensive.** Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**

See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**

See this page about Variable courses (p. 26). Six to Nine courses

**General Education Overlays**

See this page about Overlays (p. 27).

**General Education Integrative Learning Component**

See this page about Integrative Learning Component (p. 27). Three courses

**GEP Electives**

A varying number of courses, typically nine to twelve.

**Major Requirements**

Requirements for the German Major are: two language courses (GRM 201-GRM 202 or higher) and eight approved courses in the language of the major at the 300 or 400 level. The German Major has become popular in combination with either a Minor or another Major in the Arts, in the Sciences, or in Business. They offer a variety of international career opportunities. All courses for the German Minor and Major concentrate on German culture, literature, film, and business. All courses are offered in German. The approval of the Department of Modern and Classical Languages is needed both for the Minor and the Major. For further details and scholarship opportunities, please contact Dr. Thomas Buckley.

**German Honor Society**

The department has an active chapter of Delta Phi Alpha, the National German Honor Society. Qualified students are encouraged to apply. Please contact the German faculty for more information.

**Study Abroad**

Students of German are strongly encouraged to participate in a study abroad program for one year, one semester or a summer in a German-speaking country either within an academic program or as an intern in a German company or other organization.

**German Minor**

Requirements for the German Minor are: six courses beginning at the intermediate level GRM 201 or higher. These courses are chosen in consultation with the German advisor. For further details and scholarship opportunities, please contact Dr. Thomas Buckley.

**Italian Major**

**Learning Goals and Objectives for the Major in Italian**

**Goal 1:** Effective communication in the target language (TL)

**Outcome 1.1:** Students will narrate and describe in the TL in spoken form in all major time frames using connected discourse of paragraph length with general clarity of lexicon and a moderate level of detail.

**Outcome 1.2:** Students will compose written texts in the TL that summarize, evaluate or describe concrete or abstract items, notions, events or persons, in major time frames in paragraph length discourse, with a lexicon relevant to the topic.

**Goal 2:** Critical and interpretive thinking in the target language (TL)

**Outcome 2.1:** Students will interpret and analyze the main ideas, relevant facts and details about works of literary, cinematic and/or artistic expression in the target language (TL).

**Outcome 2.2:** Students will be able to pursue research, gather data, do analysis and report results by using TL as a tool of investigation and as a means of communication.

**Goal 3:** Knowledge of the target language (TL) culture(s)

**Outcome 3.1:** Students will be able to describe accurately in the TL with moderate detail some aspect of the TL cultures (perspectives, products, and/or practices)

**Outcome 3.2:** Students will compare and contrast in the target language similarities and differences between the students’ own cultures and those of the target language (TL).
Goal 4: Inclusion and diversity

Outcome 4.1: Students will articulate and defend multiple perspectives on diverse human beliefs, abilities, experiences, identities, or cultures in a global context.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

GEP Electives
A varying number of courses, typically nine to twelve.

Major Concentration
Course requirements for the major in Italian are as follows:

10 courses (30 credits), including ITA 201 and ITA 202 and eight courses at the 300 level or higher. 201/202 are waived if the language placement process determines that the student ought to begin studies in Italian in a course at a higher level.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ITA 302</td>
<td>Italian Composition</td>
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<td>ITA 303</td>
<td>Advanced Italian Conversation</td>
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<tr>
<td>ITA 306</td>
<td>The Roman Experience</td>
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<tr>
<td>ITA 310</td>
<td>Italian Stylistics</td>
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<td>ITA 315</td>
<td>Italy Through Art</td>
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<tr>
<td>ITA 320</td>
<td>Italian Through Film</td>
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<td>ITA 330</td>
<td>The Ita Bus Wrld &amp; its Lang</td>
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<td>ITA 340</td>
<td>Italian Culture &amp; Civilization</td>
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<tr>
<td>ITA 350</td>
<td>Topics &amp; Meth for Teaching Ita</td>
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Medieval/Early Modern
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<td>ITA 380</td>
<td>Ita Journeys from Marco Polo</td>
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<tr>
<td>ITA 425</td>
<td>Art&amp;Madman:Renaissance&amp;Reform</td>
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<tr>
<td>ITA 440</td>
<td>Profane and Sacred Love</td>
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<tr>
<td>ITA 445</td>
<td>The Medici Court</td>
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</tr>
<tr>
<td>ITA 460</td>
<td>Dante, Petrarch, Boccaccio</td>
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Modern
Select two of the following:

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<th>Title</th>
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<tr>
<td>ITA 309</td>
<td>I giovani e l'Italia di oggi</td>
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<tr>
<td>ITA 345</td>
<td>Art Fashion: la moda italiana</td>
<td></td>
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<tr>
<td>ITA 360</td>
<td>Modern Italian Culture</td>
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<tr>
<td>ITA 370</td>
<td>Topics in Italian</td>
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<tr>
<td>ITA 401</td>
<td>Early Ita Cinema-Stage to Scrn</td>
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<tr>
<td>ITA 402</td>
<td>L'Italiano al Cinema</td>
<td></td>
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<tr>
<td>ITA 420</td>
<td>From Novel to Film</td>
<td></td>
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<tr>
<td>ITA 430</td>
<td>Images of Rome:Papl Rome - Pres</td>
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<tr>
<td>ITA 435</td>
<td>Rebels and Revolutionaries</td>
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<tr>
<td>ITA 450</td>
<td>Italy in Age of Grand Tour</td>
<td></td>
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<tr>
<td>ITA 455</td>
<td>Women's Voices</td>
<td></td>
</tr>
<tr>
<td>ITA 465</td>
<td>The Birth of a Nation: Italy</td>
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</tr>
</tbody>
</table>

The remaining ITA credits must include ITA courses at the 300 or 400 levels.

Italian Honor Society
The department has an active chapter of the National Italian Honor Society, Gamma Kappa Alpha. A yearly initiation ceremony is held during the spring semester. For more information, including requirements and an application, please visit the Italian Program homepage: http://www.sju.edu/academics/cas/mcl/languages/italian/honors.html.

Italian Studies Major
After completing the major in Italian Studies, students will be able to:

Goal 1: Communicate effectively in both spoken and written Italian

Objective 1.1: Successfully manage in spoken Italian a variety of uncomplicated communicative tasks in straightforward social and academic situations

Objective 1.2: Write compositions and summaries related to work and/or school experiences; narrating and describing in different time frames when writing about everyday events and situations.

Goal 2: Demonstrate knowledge of the grammatical structure of modern Italian

Objective 2.1: Narrate and describe in spoken Italian with general clarity of grammatical structures

Objective 2.2: Compose written texts in Italian with general clarity of grammatical structures

Goal 3: Develop modes of analysis and ways of critical and interpretive thinking that may be applied to a variety of career paths

Objective 3.1: Interpret the main ideas, relevant facts and details of authentic Italian language texts that are narrative and/or descriptive and that employ standard linguistic conventions for written expression.
Objective 3.2: Pursue research, gather data, do analysis and report results by using Italian as a tool of investigation and as a means of communication.

Goal 4: Demonstrate familiarity with theoretical frameworks that help to integrate the study of Italy and Italian culture into research in other fields.

Objective 4.1: Demonstrate knowledge of a selection of Italian texts and cultural artifacts (specific to their chosen area of concentration from classical times to the present) and the historical contexts in which they were created.

Goal 5: Demonstrate knowledge of contemporary Italian culture and current events.

Objective 5.1: Understand and explain significant cultural phenomena of the Italian-speaking world, including the value of Italian as a world language.

Goal 6: Respect diversity and difference both in the context of their own culture and globally.

Objective 6.1: Accurately describe with moderate detail—simply in Italian and with a more sophisticated expression in English—some aspect of the cultures (perspectives, products, and/or practices) of the Italian-speaking world.

Objective 6.2: Compare and contrast—simply in Italian and with a more sophisticated expression and greater level of detail, in English—similarities and differences between American cultures and those of the Italian speaking world.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

GEP Electives
A varying number of courses, typically nine to twelve.

Major Concentration
The requirements for the Italian Studies major are 10 courses, of which 6 must be ITA courses at the 200, 300, or 400 level (conducted entirely in Italian). The remaining 4 courses may be conducted in English, and are interdisciplinary courses spanning a variety of disciplines, including Art, English, History, Music, Linguistics, Philosophy and Classics, including the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>ART 202</td>
<td>Late Antique and Medieval Art</td>
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<tr>
<td>ART 203</td>
<td>Renaissance Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 204</td>
<td>Baroque Art and Architecture</td>
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<td>ART 205</td>
<td>NeoClassic-Impression1780-1880</td>
<td>3</td>
</tr>
<tr>
<td>CLA 302</td>
<td>Mystery&amp;Monument:Ancient Rome</td>
<td>3</td>
</tr>
<tr>
<td>CLA 307</td>
<td>Ancient Greece &amp; Rome in Film</td>
<td>3</td>
</tr>
<tr>
<td>CLA 320</td>
<td>Golden Age of Rome</td>
<td>3</td>
</tr>
<tr>
<td>HIS 311</td>
<td>Nazism &amp; Fascism Global Persp</td>
<td>3</td>
</tr>
<tr>
<td>HIS 316</td>
<td>The Grandeur that was Rome</td>
<td>3</td>
</tr>
<tr>
<td>IST 370</td>
<td>Topics in Italian Studies</td>
<td>3</td>
</tr>
<tr>
<td>IST 375</td>
<td>Shadow State: Mafia in Italy</td>
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<td>LTT 150</td>
<td>First-year Seminar</td>
<td>3</td>
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<td>MTF 158</td>
<td>Western Music: 1750 to Present</td>
<td>3</td>
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<tr>
<td>POL 302</td>
<td>Democratic Music</td>
<td>3</td>
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<td>PHL 402</td>
<td>Plato and Aristotle</td>
<td>3</td>
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<tr>
<td>POL 336</td>
<td>The EU and European Politics</td>
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</table>

(This list is illustrative, not exhaustive; for more information, please consult the faculty in Italian.)

Study Abroad Courses
For study at SJU in Rome and Florence, Italy, see Study Abroad.

Spanish Major

**Learning Goals and Objectives for the Major in Spanish**

**Goal 1:** Effective communication in the target language (TL)

**Outcome 1.1:** Students will narrate and describe in the TL in spoken form in all major time frames using connected discourse of paragraph length with general clarity of lexicon and a moderate level of detail.

**Outcome 1.2:** Students will compose written texts in the TL that summarize, evaluate or describe concrete or abstract items, notions, events or persons, in major time frames in paragraph length discourse, with a lexicon relevant to the topic.

**Goal 2:** Critical and interpretive thinking in the target language (TL)

**Outcome 2.1:** Students will interpret and analyze the main ideas, relevant facts and details about works of literary, cinematic and/or artistic expression in the target language (TL).

**Outcome 2.2:** Students will be able to pursue research, gather data, do analysis and report results by using TL as a tool of investigation and as a means of communication.

**Goal 3:** Knowledge of the target language (TL) culture(s)
Outcome 3.1: Students will be able to describe accurately in the TL with moderate detail some aspect of the TL cultures (perspectives, products, and/or practices)

Outcome 3.2: Students will compare and contrast in the target language similarities and differences between the students’ own cultures and those of the target language (TL).

Goal 4: Inclusion and diversity

Outcome 4.1: Students will articulate and defend multiple perspectives on diverse human beliefs, abilities, experiences, identities, or cultures in a global context.

The Spanish major emphasizes the learning of both spoken and written Spanish, a sound understanding of the linguistic structures of modern Spanish, an appreciation for cultures of the Spanish-speaking world, and the ability to analyze literary texts from a variety of periods. Students may choose from a variety of offerings in Latin American or Peninsular literature, film, culture, language, and Spanish linguistics. All courses are offered in Spanish. See individual faculty members for more information.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

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<th>Code</th>
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<tr>
<td>LIN 200</td>
<td>Introduction to Linguistics</td>
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<tr>
<td>LIN 201</td>
<td>English Grammar</td>
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<tr>
<td>LIN 280</td>
<td>Lang. Acquisition &amp; Learning</td>
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</tr>
<tr>
<td>LIN 301</td>
<td>Teaching Lang at Home/Abroad</td>
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<tr>
<td>LIN 317</td>
<td>Sociolinguistics</td>
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<tr>
<td>LIN 320</td>
<td>Phonetics</td>
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<tr>
<td>LIN 340</td>
<td>Communication in Soc Contexts</td>
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<tr>
<td>LIN 401</td>
<td>Bilingualism &amp; Lang Diversity</td>
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<td>LIN 470</td>
<td>Topics in Linguistics</td>
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<tbody>
<tr>
<td>LIN 490</td>
<td>TESOL Internship</td>
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Any approved Latin American Studies course outside of Modern and Classical Languages

Other courses that specifically focus on some aspect of the Spanish-speaking world may be approved as an IL course if deemed appropriate by the Spanish major advisor. Beginning with the class of 2016, Spanish majors will be required to complete an ACTFL certified proficiency test. A fee (to be paid directly to the testing service) will be required. For more information, refer to: http://www.languagetesting.com/academic.cfm and follow the links to Tests–Speaking–OPI. See Dr. Heather Hennes or Dr. Carmen Faccini for more information about the major.

GEP Electives
A varying number of courses, typically nine to twelve.

Major Concentration
Requires 10 SPA courses (30 credits) including:

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II (depending on placement)</td>
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<td>SPA 301</td>
<td>Spanish Conversation (depending on placement)</td>
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<td>SPA 302</td>
<td>Spanish Composition ¹</td>
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<td>SPA 310</td>
<td>Intro to Lit of Sp-Spkng Wld</td>
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<td>SPA 311</td>
<td>Intro to Spanish Literature</td>
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<td>SPA 380</td>
<td>Intro to Spanish Linguistics</td>
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<tr>
<td>SPA 350</td>
<td>Intro to Latin Amer Cultures</td>
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<tr>
<td>SPA 351</td>
<td>Introd to Spanish Cultures ²</td>
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<tr>
<td>SPA 355</td>
<td>Río de la Plata:Study Tour</td>
</tr>
<tr>
<td>SPA 356</td>
<td>Spain:Study Tour ²</td>
</tr>
</tbody>
</table>

The remaining SPA credits must include at least 2 4xx level SPA courses

¹ Heritage speakers of Spanish having completed SPA 303 complete a SPA elective in place of SPA 302.
² A student may count only one of these two courses toward the major or minor.

Study Abroad
Spanish majors and minors are strongly encouraged to study abroad in a Spanish-speaking country of their choice. The Center for International Programs (http://www.sju.edu/academics/centers/cip/studyabroad) provides information on SJU-approved programs in Argentina, Chile, Central America, and Spain, as well as programs in other Latin American countries, for which students may petition credit. Modern and Classical Languages faculty also offer Study Tour Courses to Argentina/Uruguay and Spain. Study Tours offered by other departments have included destinations such Bolivia, Cuba, the Dominican Republic and Nicaragua. Study Tours offered by other departments do not count toward the Spanish major or minor, (except as Integrative Learning courses for the major) but they do complement students’ interests in Spanish. Students who are interested in studying abroad should meet with Dr. Elaine Shenk, the Spanish Program Coordinator for Study Abroad.
Spanish Honor Society

The department has an active chapter, Omicron Phi, of the National Spanish Honorary Society Sigma Delta Pi. A yearly initiation ceremony is held in the spring semester. Qualified students are encouraged to apply; please contact the Spanish faculty for more information.

Spanish Minor

Requires 6 SPA course (18 credits) including:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II (depending on placement)</td>
<td>3</td>
</tr>
<tr>
<td>SPA 301</td>
<td>Spanish Conversation (depending on placement)</td>
<td>3</td>
</tr>
<tr>
<td>or SPA 303</td>
<td>Spa Conv for Heritage Speakers</td>
<td></td>
</tr>
<tr>
<td>SPA 302</td>
<td>Spanish Composition (^1)</td>
<td>3</td>
</tr>
</tbody>
</table>

\(^1\) Heritage speakers of Spanish having completed SPA 303 complete a SPA elective in place of SPA 302.

The remaining SPA credits must include SPA courses at the 300 and 400 levels. See Dr. Enrique Téllez-Espiga for more information about the minor.
**MUSIC, THEATRE AND FILM**

**Department Overview and Mission**

Built on the praxis of analysis and creation, the Department of Music, Theatre & Film offers a wide range of courses in two major degree programs – the B.A. in Music, and the B.A. in Theatre & Film (with a concentration in either Theatre, Musical Theatre, or Film/TV). In addition, the Department offers stand-alone minors in Music, Theatre Studies, and Film/TV, as well as being a partner department in the Music Industry minor. At the core of all degree programs are the shared values of historical insight, analytical rigor, technical proficiency, and creative expression.

Within each of its disciplines, the Department offers a breadth of courses that not only equip students with the tools to understand and evaluate an existing body of work, but also teach the necessary technical skills to bring their own work to fruition while fostering both creativity and engagement in the world around them. The curriculum aims to prepare students for careers in their respective fields or for further study at the graduate level, but perhaps more importantly, to give graduates a foundation of organizational, analytical, technical, and creative tools from which they might launch any future endeavor.

**Associate:** Deron Albright, M.F.A.; Renee Dobson, M.F.A.; Suzanne Sorkin, Ph.D
**Assistant:** Elizabeth Morgan, Ph.D.; Michael Wellenreiter, M.F.A.
**Visiting:** Catherine A. Hughes, Ph.D.

**Chair:** Sorkin

**Undergraduate Majors**
- Music (p. 361)
- Theatre & Film (p. 362)

**Undergraduate Minors**
- Music (p. 361)
- Film/TV (p. 360)
- Theatre (p. 364)

**MTF 141 Guitar Class for Beginners (1 credit)**
This class is intended as an introduction to acoustic and classical guitar techniques employed in contemporary guitar styles. The focus of this course will involve learning basic open chords, learning to read and play music on the guitar, bar chords, and basic fingerstyle technique. The course will also cover the fundamental music theory necessary for playing songs and basic fret board knowledge.

**MTF 142 History of Rock and Pop (3 credits)**
This course examines the history of popular music in the English-speaking world from the mid twentieth century to the present day. Genres examined include swing, doo-wop, rock and roll, soul, funk, disco, heavy metal, and punk.
**Attributes:** GEP Art/Literature

**MTF 143 Music in Film (3 credits)**
This course focuses on the ways music functions in narrative film. In the first weeks, students will develop analytical skills to describe the ways music can enhance, comment on, undermine, and direct a viewer’s interpretation. The remainder of the semester will follow a generally chronological structure, focusing on influential composers and directors, theoretical writings, and the wide variety of twentieth-century and twenty-first musical styles used in soundtracks. Class discussions and writing assignments will guide students in the study of the interlocking histories of music, film, politics, and culture. This course is designed for all students. Previous musical training is not required.
**Attributes:** GEP Art/Literature

**MTF 150 First Year Seminar (3 credits)**

**MTF 151 Music Fundamentals (3 credits)**
A study of elements of music including notation, rhythm, scales, intervals, melody, harmony, and form. To facilitate reading skills, class exercises in ear training are included. Previous musical training unnecessary.
**Attributes:** GEP Art/Literature

**MTF 152 Music Appreciation (3 credits)**
This course is a survey of music from the Middle Ages to the Twentieth Century. Emphasis is placed on the elements of music, styles of major historical periods, and the lives and works of representative composers. **Restrictions:** Enrollment is limited to PLS/HDC or Undergraduate Day Division level students.

**MTF 153 Vocal Performance (1 credit)**
In this course you will learn to professionally train your singing voice through breath management, phrasing, diction, performance practice, and accurate musicianship. Students will receive one individual sixty minute lesson each week. This course may be repeated for credit. Prerequisite: Students should be able to read music. An audition and permission of the instructor is required.

**MTF 154 Piano Performance (1 credit)**
Students will receive one individual piano lesson each week, between 30 and 60 minutes in length. This course may be repeated for credit. Prerequisite: Students must be able to read music. An audition and permission of the instructor are required.

**MTF 155 Instrumental Performance (1 credit)**
Students will receive one individual instrumental lesson each week, between 30 and 60 minutes in length. This course may be repeated for credit. Prerequisite: Students must be able to read music. An audition and permission of the instructor are required.

**MTF 156 Intro to World Music (3 credits)**
This course introduces students to the traditional music of cultures around the world, including music of India, Indonesia, Latin America, Africa, and the Middle East. Students will learn to listen critically and to articulate their observations about the music of numerous regions and societies.
**Attributes:** Diversity Course (New GEP), Undergraduate

**MTF 157 Western Music Hist: MidAge-1750 (3 credits)**
This course considers the history of Western music from the Middle Ages to the end of the Baroque Period, focusing on the relationship between historical, social, and cultural currents and the development of music. Students will acquire a framework for thinking critically about music and articulating their observations, and they will learn to recognize the musical characteristics of important styles, genres, and historical periods.
**Attributes:** GEP Art/Literature, Writing Intensive Course- GEP
MTF 158 Western Music: 1750 to Present (3 credits)
This course considers the history of Western Music from the second half of the eighteenth century to the present day, focusing on the relationship between historical, social, and cultural currents and the development of music. Students will acquire a framework for thinking critically about music and articulating their observations and learn to recognize the musical characteristics of important styles, genres, and historical periods. This course welcomes students who have not taken MTF 157, Western Music History: The Middle Ages to 1750.
Attributes: GEP Art/Literature

MTF 159 Contemporary Music (3 credits)
An investigation of the chief developments in the concept and style of music which have occurred in the Twentieth century.

MTF 161 Introduction to Theatre (3 credits)
This course examines major traditional and modern plays with emphasis upon the styles and conventions which govern the relationship between drama and its audience; relevance of these styles to the work of actors, directors, and designers.
Attributes: GEP Art/Literature

MTF 162 History of Broadway Musical (3 credits)
This course provides a basic overview of the historical developments of musical theatre as an uniquely American art form, and the study of the structures and genres from early Twentieth Century influences through the “Golden Age” of musicals to contemporary musical theatre.
Attributes: Undergraduate

MTF 170 Special Topics & Indep Study (3 credits)
Student majors may pursue investigation of topics beyond those listed in the catalog. Major GPA of 3.0 required, as is prior approval by the chair and faculty mentor. Course number dependent on relevant level of coursework.

MTF 181 Filmmaking Methods (3 credits)
An introduction and overview to the complete production cycle. Each class session is dedicated to a different department – writing, producing, directing, design, cinematography, grip and electrical, location sound, editing, digital post, audio post, marketing and distribution - designed to both introduce and involve students in the breadth of the production experience.
Attributes: GEP Art/Literature

MTF 191 Introduction to the Film (3 credits)
This course is an introduction to the study of cinematic form and style, taking cinema to be located at the confluence of art, industry and technology. This course examines the cultural meanings of cinema as well as its aesthetic construction, including such elements as narrative structure, cinematography, design, editing and sound. Selections from historical and contemporary films will be viewed and analyzed.
Attributes: GEP Art/Literature

MTF 192 History of Narrative Film & TV (3 credits)
Providing an overview of significant works that exemplify film and television as visual media, this course is a survey of movements and makers that helped shape the evolution of screen narrative. Storytelling techniques and trends will be explored from early, spectacle-driven serial films through the postmodern, CGI-driven productions of today.
Attributes: GEP Art/Literature, Undergraduate

MTF 241 Basic Conducting (3 credits)
This course will focus on the basic technical aspects of conducting a musical ensemble. Emphasis will be placed on learning how to communicate musical ideas to an ensemble using traditional conducting gestures. Included in the course will be the study of patterns, phrasing, and rehearsal techniques. Prerequisite: MTF 251 Music Theory I.
Prerequisites: (MTF 251)

MTF 242 Music & Gender (3 credits)
This course examines issues concerning gender and music making in many different historical periods and cultures. Among the topics studied are representations of men and women in opera and other musical works, feminist music criticism, androgyny and music, and the roles of men and women in the production, performance, and consumption of music. The musical traditions covered include current American popular music, Chinese opera, Western art music from the Middle Ages to the present day, jazz and the blues, and American musicals.

MTF 251 Music Theory I (3 credits)
This course introduces the student to the practice of tonal harmony. Students will learn the principles of chord construction and voice leading, examine the ways in which chords function in tonal music, and be able to compose effective progressions in four-part vocal style. Prerequisite: MTF 151 Music Theory I or permission of the instructor. Students must demonstrate to the instructor a familiarity with treble and bass clef notation and basic rhythmic notation.
Prerequisites: MTF 151
Attributes: GEP Art/Literature

MTF 252 Music Composition I (3 credits)
This course introduces the student to the practice of tonal harmony. Students will learn the principles of chord construction and voice leading, examine the ways in which chords function in tonal music, and be able to compose effective progressions in four-part vocal style. Prerequisite: MTF 251 Music Theory I or permission of the instructor. Students must demonstrate to the instructor a familiarity with treble and bass clef notation and basic rhythmic notation.
Prerequisites: MTF 251
Attributes: GEP Art/Literature

MTF 253 Choral Music (3 credits)
A study and performance of choral music with emphasis on vocal development and performing technique. Prior choral experience unnecessary. Participation in concerts and a term paper required. Prerequisite: Participation for one semester in University Singers prior to enrollment.

MTF 254 Jazz in Performance (3 credits)
A study and performance of the repertoire of the contemporary jazz ensemble with emphasis on the history of contemporary "BIG BAND" jazz and the mastery of its performance technique and stylistic interpretation. Participation in the fall and spring concert series and several short papers required. Prerequisite: Participation in the Jazz Band in the fall semester prior to enrollment.
Attributes: GEP Art/Literature

MTF 255 Ensemble Performance (1 credit)

MTF 257 American Music (3 credits)
This course examines music produced in the United States from the early Colonial period to the present day. Students will consider a variety of styles, with an emphasis on folk, art, and African-American music.
Attributes: GEP Art/Literature
MTF 258 Major Composers (3 credits)
Major composers courses are semester-long studies of a single composer and his or her contributions to music history. Students read a biography of the composer and study several of his or her pieces in detail. Examples of courses in the Major Composers series include Ludwig van Beethoven and Johann Sebastian Bach. 
Attributes: GEP Art/Literature

MTF 261 Theatre Performance Practicum (3 credits)
Rehearsal and performance of a campus theatre production (produced by SJU Theatre Company and directed by a faculty director) with the student in the role of actor or stage manager. Comprehensive study of both the rehearsal and performance processes. In order to register for the course, the production must be the third campus production in which the student has served as cast member or stage manager. Departmental approval is required in order for the student to register for the course. 
Attributes: GEP Art/Literature, Undergraduate

MTF 262 Production Practicum (3 credits)
A practical application of theatre production studies where the student works as a stage manager or run crew chief on a production produced by the Department of Music, Theatre & Film under the guidance of a faculty Director. 
Attributes: Undergraduate

MTF 263 Acting I (3 credits)
Study of the fundamentals of the acting process based upon Stanislavsky's system of acting. Course culminates in scene study preparation and performance of contemporary scenes. 
Attributes: GEP Art/Literature

MTF 264 Acting II (3 credits)
Exploration of various methods and styles of acting; further development of techniques of voice, movement, characterization, script analysis, emotion memory, comic timing, and monologues. Extensive laboratory work in scene performance. Prerequisite: MTF 263 Acting I. 
Prerequisites: MTF 263
Attributes: GEP Art/Literature

MTF 265 Directing for the Stage (3 credits)
Study of the basic techniques of play direction, including composition, picturization, play selection, auditions and casting, blocking and staging, including historic perspectives on notable directors. This course culminates in student-directed scenes from modern and contemporary plays. 
Attributes: GEP Art/Literature

MTF 266 Theatre History (3 credits)
This course examines the history of theatre from the Ancient Greek period through contemporary theatrical forms of the 21st century, focusing on major periods of theatre development including the Italian Renaissance, the Elizabethan age, Restoration Drama as well as the modern European and American theatre movements. Prerequisite: MTF 161 Introduction to Theatre. 
Attributes: Undergraduate

MTF 267 Theater Design (3 credits)
An introduction to theatrical production design. Instruction on the development of a basic ground plan and a basic light plot. Lighting and scenic design will be discussed and demonstrated. Prerequisite: MTF 161 Introduction To Theatre. 
Attributes: GEP Art/Literature

MTF 268 Musical Theater Performance (3 credits)
Practice in performance techniques used in musical theatre auditions as well as practice in scene study from the musical theatre repertoire. 
Attributes: GEP Art/Literature

MTF 269 Musical Theatre Dance Styles (3 credits)
A performance/studio course in dance in which a variety of basic technique in musical theatre dance styles are examined including basic jazz as well as stylistic interpretations of select prominent music theatre choreographers (Jerome Robbins, Bob Fosse, Michael Bennett, etc.). 
Prerequisites: MTF 268
Attributes: GEP Art/Literature

MTF 270 Special Topics & Indep Study (3 credits)
Student majors may pursue investigation of topics beyond those listed in the catalog. Major GPA of 3.0 required, as is prior approval by the chair and faculty mentor. Course number dependent on relevant level of coursework.

MTF 281 Producing & Business of Film (3 credits)
This hands-on course addresses the inner workings of creative producing: business structures, project origination, building a team, acquiring production resources, budgeting and scheduling, managing day-to-day production and incorporating marketing tools. Additionally, the course will address how different business models may affect films’ content, style, themes and inclusiveness. 
Restrictions: Enrollment is limited to Undergraduate Day Division level students.

Attributes: GEP Art/Literature

MTF 282 Screenwriting I (3 credits)
An intensive workshop in writing for the screen, focusing primarily on the short form. Through the study of character and conflict, structure and setting, and rudimentary rehearsal and performance of draft scene-work, students will develop their own short pieces, culminating in a revised script and a visualized shooting plan ready to move into production. 
Attributes: GEP Art/Literature, Writing Intensive Course- GEP

MTF 283 Screenwriting for TV and Web (3 credits)
Building on the skills developed in Screenwriting I (MTF 282), each student will first develop his or her own series concept, show bible, and pilot. Students will then work in groups to script episodes for selected shows. Top work will be selected for production in MTF 286 Episodic TV/Web Series Production. Prerequisite: MTF 282 Screenwriting I – The Short or ENG 344. 
Prerequisites: MTF 282
Attributes: GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

MTF 284 Digital Filmmaking (3 credits)
An introductory creative film production workshop that focuses upon visual storytelling, camera operation, digital editing and sound. Students will develop their personal creativity as they complete film projects in narrative and documentary modes, incorporating elements and techniques from music and theatre. Students will also view relevant selections from historical and contemporary films. 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Film Studies, Music, Theatre Film or Theatre Studies. Enrollment is limited to Undergraduate Day Division level students.
Attributes: GEP Art/Literature
MTF 285 Short Film Production (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284), this course is an intermediate-level collaborative workshop in producing the short film. There is a particular emphasis upon theoretical and technical lighting and camera operation, shot structure, and production design. Working in small groups, students will rotate crew positions on various projects, while still retaining significant creative input into each work. Prerequisite: MTF 284 Digital Filmmaking.
Attributes: MTF 284

MTF 286 Episodic TV/Web Series Production (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284) and working from a show developed in Writing for Television (MTF 283), this course is a collaborative workshop in producing an episodic series. Students will rotate crew positions on each episode of the show, producing installments suitable for campus and public broadcast. Prerequisites: MTF 284

MTF 287 Commercial TV/Web Series Production (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284), this course is a collaborative workshop in the production of commercial and industrial projects. In small groups, students will work to produce a set of advertisements, PSAs and other client-based media. Prerequisite: MTF 284 Digital Filmmaking
Attributes: Undergraduate

MTF 291 American Film (3 credits)
Taking up a significant genre, era, or issue in American Filmmaking, this course is a selected study of the interplay of technology, commerce, art, idea and audience — and specifically how American cinema has reflected the broader cultural milieu. Examples of course focus include Classic Hollywood Cinema, The Silent Era, Musicals, The 1970s, Westerns, American Indies and the War Film. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations. Attributes: MTF 284 Digital Filmmaking

MTF 292 European Cinemas (3 credits)
A selected study of cinematic movements and filmmakers from European nations, specifically in how they both reflect and exemplify the culture in which they are produced. Possible areas of study include German Expressionism, Russian Formalism, the French New Wave, Italian Neo-Realism, New German Cinema and British Social Realism. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations. Attributes: MTF 284 Digital Filmmaking

MTF 293 Asian & Pacific Cinemas (3 credits)
A selected study of cinematic movements and filmmakers from Asia and the Pacific Rim, specifically in how they both reflect and exemplify the culture in which they are produced. Possible areas of study include the cinemas of Japan, China, Hong Kong, India and Australia. MTF 191, Introduction to Film recommended as pre-requisite; may be repeated for credit under rotating iterations. Attributes: MTF 284 Digital Filmmaking

MTF 294 Global Cinemas (3 credits)
A selected study of emerging cinematic movements and filmmakers from around the globe, that have pushed beyond the boundaries of established cinematic norms and innovated what film can be in its relation to culture and society. Possible areas of study include the cinemas of the Middle East, Africa and Latin America. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations. Attributes: Diversity Course (New GEP), GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

MTF 295 Major Figures (3 credits)
A critical and analytical examination of the work of selected directors and producers who have had a profound impact on the evolution of contemporary cinema. Possible figures of study include Chaplin, Welles, Hitchcock, Ford, Truffaut, Kurosawa, Hawks, Kubrick, Spielberg and Scorsese. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations. Attributes: GEP Art/Literature

MTF 296 Documentary Cinema (3 credits)
A critical and analytical examination of how documentary films are conceived and produced, as well as how they purport to design and deliver "the truth." Possible areas of study include the early century work of Flaherty and Riefenstahl, the Direct Cinema movement of the Maysles and Wiseman and the contemporary work of Michael Moore and Errol Morris.

MTF 297 Music Theory II (3 credits)
This course serves as a continuation of MTF 251 Music Theory I. Topics include diatonic harmony, formal design, and an introduction to chromatic harmony. Students will further develop their skills in both written theory and ear-training. Prerequisite: MTF 251 Music Theory I.

MTF 298 Music Composition II (3 credits)
In this course, advanced vocalists take weekly lessons with a member of the studio faculty, learning four-six solo works from three different historical periods, including the twentieth or twenty-first century. They also participate in University Singers. In addition to their lessons, individual practice, and choir, students are required to give an outreach performance in a community venue, such as a nursing home or hospital. MTF 359 is open only to advanced singers who have already completed three semesters of studio lessons at SJU and who have the permission of the instructor to enroll.
MTF 355 Adv Ensemble Performance (3 credits)
In this course, advanced instrumentalists or vocalists participate in three chamber groups, coached by member(s) of the music faculty. They learn three different musical works, including at least one from the twentieth or twenty-first century, and participate in the studio recital. In addition, students are required to give an outreach performance in a community venue, such as a nursing home or hospital. MTF 355 is open only to advanced performers who have already completed three semesters of Ensemble Performance at SJU and who have the permission of the instructor to enroll.  
Attributes: GEP Art/Literature

MTF 357 Music Theory III (3 credits)
This course serves as a continuation of MTF 351 Music Theory II. Topics include borrowed chords, modulation to distant keys, enharmonic relationships, and chromatic harmonic. Emphasis on part-writing, composition, and analysis. Prerequisite: MTF 351 Music Theory II.  
Prerequisites: MTF 351  
Attributes: GEP Art/Literature

MTF 358 Advanced Musical Composition (3 credits)
MTF 359 Adv Instrumental Performance (3 credits)
In this course, advanced instrumentalists take weekly lessons with a member of the studio faculty, learning three solo works from three different historical periods, including the twentieth or twenty-first century. They also participate in a collaborative ensemble with another student musician. In addition to their lessons and individual practice, students are required to give an outreach performance in a community venue, such as a nursing home or hospital. MTF 359 is open only to advanced instrumentalists who have already completed three semesters of studio lessons at SJU and who have the permission of the instructor to enroll.

MTF 363 Styles of Acting (3 credits)
An advanced acting course that explores scene study performance of complex scenes including classic works (Shakespeare, Moliere) and plays from the modern period (August Strindberg, Tennessee Williams and Sam Shepard). Prerequisite: Acting II (MTF 264) or permission of the instructor.  
Attributes: GEP Art/Literature

MTF 370 Special Topics (3 credits)
Special Topics courses are upper-level classes on a variety of subjects in Music History. These courses synthesize score analysis, close reading of musicological literature, critical listening, and discussion in a stimulating seminar environment. Prerequisites: MTF 251 Music Theory I, MTF 157 Music History: The Middle Ages to 1750 and MTF 158 Music History: 1750 to the Present Day.  
Prerequisites: MTF 157 and MTF 158 and MTF 151 and MTF 251  
Attributes: GEP Art/Literature, Writing Intensive Course- GEP

MTF 381 Episodic TV/Web Series Prod (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284) and working from a show developed in Writing for Television (MTF 283), this course is a collaborative workshop in producing an episodic series. Students will rotate crew positions on each episode of the show, producing installments suitable for campus and public broadcast.  
Prerequisite: MTF 284 Digital Filmmaking.  
Prerequisites: MTF 284  
Attributes: Undergraduate

MTF 382 Screenwriting II (3 credits)
Building on the work of Screenwriting I (MTF 282), this course will focus on the development and composition of a feature film script. Students will both study the feature form in the work of established writers and complete a revised draft of their own feature script. May be taken as an Independent Study. Prerequisite: MTF 282, Screenwriting I-The Short.  
Prerequisites: MTF 282  
Attributes: GEP Art/Literature

MTF 383 Directing for Film/TV (3 credits)
An advanced workshop in the practices and techniques of screen directing. Students will explore script breakdown, visualization and storyboarding, casting and working with actors, blocking and set-direction through the analysis, direction and production of class projects. Course may be taken as an Independent Study. Prerequisite: MTF 282 Screenwriting I – The Short and MTF 284 Digital Filmmaking.  
Prerequisites: MTF 284 and MTF 282
Attributes: GEP Art/Literature

MTF 384 Advanced Lightg, Camera, Design (3 credits)
An advanced workshop in shaping the aesthetics of the image. Considering the image as a confluence of both production design and cinematography, students will explore how what is in front of the camera creates meaning as much as how it is lit and captured. Alongside the theoretical and technical skill of lighting and camera operation, students will perform script analysis for aesthetic direction and design, as well as working beyond illumination toward the art of cinematography.  
Prerequisite: MTF 284 - Digital Filmmaking.  
Prerequisites: MTF 284 or ART 173
Attributes: GEP Art/Literature

MTF 385 Sound Design (3 credits)
An advanced workshop in the skills of film sound recording, editing and mixing. This course examines the fundamentals of sound gear and technology, location and soundstage recording techniques, and the creation of film soundtracks, including dialogue editing, sound effects, automated dialogue replacement (ADR), music editing and mixing to picture. Prerequisite: MTF 284, Digital Filmmaking.  
Prerequisites: MTF 284

MTF 386 Edit & Digital Post-Production (3 credits)
An advanced workshop in the necessary skills of post-production and the required workflow of moving a project toward delivery. Topics include advanced techniques in non-linear editing, the demands of various video formats, digital video effects, compositing, color correction and delivery across multiple platforms. Course may be taken as an Independent Study. Prerequisite: MTF 284, Digital Filmmaking.  
Prerequisites: MTF 284  
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Film Studies, Music, Theatre Film or Theatre Studies.  
Attributes: GEP Art/Literature

MTF 387 Music Video Production (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284), this course is a collaborative workshop in the production of original music videos. Following production of “demo” videos, students will pitch video concepts to actual musicians and work to produce videos suitable for public broadcast.  
Prerequisites: MTF 284
MTF 388 Documentary Workshop (3 credits)
An advanced workshop in the planning and production of documentary film. Students will conceive and execute a project of their own design while exploring such issues as collaborative design and production, cross-cultural investigation, documentary ethics and empowerment, and community and individual representation. Prerequisite: MTF 284, Digital Filmmaking.
Attributes: GEP Art/Literature

MTF 389 Animation Workshop (3 credits)
An advanced workshop in various techniques of 2D and 3D animation. Students will conceive and execute a project of their own design using methods ranging from traditional cell animation, to stop-motion, rotoscope, clay and the digital realm.
Prerequisites: MTF 284

MTF 391 Film Theory & Criticism (3 credits)
An advanced course in the study of the critical trends and theoretical positions that have influenced, enlightened and framed the creation and critique of cinema throughout its first century. Prerequisite: MTF 191, Introduction to Film.
Prerequisites: (MTF 191)

MTF 392 Special Topics in Film (3 credits)
A study of film/tv in either production or studies beyond those listed in the catalog. Film& Theatre major or minor, or permission of instructor required.

MTF 393 Prof. Film Production Workshop (3 credits)
A participatory workshop in the production of a professional media project. Projects will be selected by merit or university need, produced and directed by the instructor, and funded through the department and university. Students will have the opportunity to work on a live set and participate according to their ambition, ability and experience. May be taken as an Independent Study.
Prerequisites: MTF 282 or MTF 284 or MTF 181
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Film Studies, Music, Theatre Film or Theatre Studies.
Attributes: GEP Art/Literature

MTF 470 Special Topics & Indep Study (3 credits)
Student majors may pursue investigation of topics beyond those listed in the catalog. Major GPA of 3.0 required, as is prior approval by the chair and faculty mentor. Course number dependent on relevant level of coursework.

MTF 491 Internship (3 credits)
Junior and Senior MTF majors may broaden their perspective by completing an approved internship in Music, Theatre, or Film/TV. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.
Attributes: GEP Art/Literature

MTF 492 Internship in Theatre (3 credits)
Junior and Senior MTF majors may broaden their perspective by completing an approved internship in Music, Theatre, or Film/TV. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.

MTF 493 Independent Research (3 credits)
Students pursuing advanced independent projects, especially those in connection with departmental or university honors, may register for these courses under the direct mentorship of department faculty. Prior approval of both faculty mentor and chair required.
Attributes: GEP Art/Literature

MTF 495 Senior Project I (3 credits)
A student majoring in either Music or Theatre & Film must execute a supervised senior project with acts as a capstone experience on their work in the department. Working closely with their faculty mentor, the student will prepare a major piece of creative or critical work (composition, performance, film, screenplay, or thesis) inclusive of a public presentation in an appropriate venue. Depending on the scope and nature of the project, students will complete the work in either one or two semesters decided in consultation with the faculty mentor and with permission of the chair.
Attributes: Undergraduate

MTF 496 Senior Project II (3 credits)
A student majoring in either Music or Theatre & Film, must execute a supervised senior project which acts as a capstone experience on their work in the department. Working closely with their faculty mentor, the student will prepare a major piece of creative or critical work (composition, performance, film, screenplay, or thesis) inclusive of a public presentation in an appropriate venue. Depending on the scope and nature of the project, students will complete the work in either one or two semesters decided in consultation with the faculty mentor and with permission of the chair.
Attributes: GEP Art/Literature

Film and TV Minor

Departmental Educational Goals and Objectives

Goal 1: Development of Creative Voice and Abilities

Objective 1.1: Students will develop the ability to create performing arts works that express their creativity and unique voices.

Objective 1.2: Students will develop the ability to craft well-organized, reasoned, critical, and thoroughly-researched written and oral work.

Goal 2: Development of Critical and Rhetorical Skills

Objective 2.1: Students will develop the ability to craft well-organized, reasoned, critical, and thoroughly-researched written and oral work.

Goal 3: Knowledge and Analysis of Significant Works

Objective 3.1: Students will develop an awareness and analytical understanding of significant and diverse creative and theoretical works within the performing arts, and the cultural and historical contexts in which they were produced.

Goal 4: Knowledge of Professional Practices

Objective 4.1: Students will acquire the creative, technical, and analytical tools to begin professional work in the field or to pursue graduate studies.

Goal 5: Development of Social and Ethical Awareness

Objective 5.1: Students will develop an understanding of social issues, ethics and inclusivity within the performing arts.
Goal 6: Development of Collaborative and Service Skills

Objective 6.1: Students will engage, share and collaborate as creative citizens by completing performing arts projects that include campus, local, national and/or international communities.

(6 courses total)

Students wishing to minor in Film/TV may do so by fulfilling the following requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 191</td>
<td>Introduction to the Film</td>
<td>3</td>
</tr>
<tr>
<td>MTF 192</td>
<td>History of Narrative Film &amp; TV</td>
<td>3</td>
</tr>
<tr>
<td>MTF 282</td>
<td>Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>MTF 283</td>
<td>Screenwriting for TV and Web</td>
<td>3</td>
</tr>
<tr>
<td>MTF 284</td>
<td>Digital Filmmaking</td>
<td>3</td>
</tr>
<tr>
<td>MTF 285</td>
<td>Short Film Production</td>
<td>3</td>
</tr>
<tr>
<td>MTF 381</td>
<td>Episodic TV/Web Series Prod</td>
<td>3</td>
</tr>
<tr>
<td>MTF 287</td>
<td>Commercial TV/Web Series Prod</td>
<td>3</td>
</tr>
</tbody>
</table>

Students wishing to minor in Music may do so by fulfilling the following requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 151</td>
<td>Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MTF 151</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select five additional Music courses selected from the offerings in Theory, Composition, History, and Advanced Performance

One Semester participation in a department-sponsored performance ensemble or private studio

If a student places out of Music Fundamentals, with a score of 4 or 5 on the AP Music Theory exam, he/she will enroll in Music Theory I to meet this requirement.

Music Major

Departmental Educational Goals and Objectives

Goal 1: Development of Creative Voice and Abilities

Objective 1.1: Students will develop the ability to create performing arts works that express their creativity and unique voices.

Objective 1.2: Students will acquire skills in creative inquiry, analysis and self-reflection.

Goal 2: Development of Critical and Rhetorical Skills

Objective 2.1: Students will develop the ability to craft well-organized, reasoned, critical, and thoroughly-researched written and oral work.

Goal 3: Knowledge and Analysis of Significant Works

Objective 3.1: Students will develop an awareness and analytical understanding of significant and diverse creative and theoretical works within the performing arts, and the cultural and historical contexts in which they were produced.

Goal 4: Knowledge of Professional Practices

Objective 4.1: Students will acquire the creative, technical, and analytical tools to begin professional work in the field or to pursue graduate studies.

Goal 5: Development of Social and Ethical Awareness

Objective 5.1: Students will develop an understanding of social issues, ethics and inclusivity within the performing arts.

Goal 6: Development of Collaborative and Service Skills

Objective 6.1: Students will engage, share and collaborate as creative citizens by completing performing arts projects that include campus, local, national and/or international communities.

The Music Minor (6 courses plus one semester of performance)
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

All students are required to take one course in Art History.

In addition students must choose two courses from the following list of options:

- Any course in Modern and Classical Languages at or above 300.
- Any course in History at or above 200.
- Any course in English at or above 200.
- Any course in Sociology at or above 200.
- Any course in Philosophy at or above 200.
- Any course in Political Science at or above 300

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 120</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>CSC 121</td>
<td>Computer Science II</td>
<td>4</td>
</tr>
<tr>
<td>CSC 201</td>
<td>Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>MAT 180</td>
<td>Theory of Numbers</td>
<td>3</td>
</tr>
<tr>
<td>MAT 231</td>
<td>The Mathematics of Music</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are encouraged to discuss their academic goals with their advisor and to make a plan for fulfilling the ILC which meets their specific objectives. Other CAS courses will be accepted with the approval of the Department Chair.

GEP Electives
10-12 to courses, depending on how many required courses in variable core and choice of major concentration

The Music Major
11 courses plus 4 semesters of performance

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 156</td>
<td>Intro to World Music</td>
<td>3</td>
</tr>
<tr>
<td>or MTF 257</td>
<td>American Music</td>
<td></td>
</tr>
<tr>
<td>MTF 252</td>
<td>Music Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or MTF 357</td>
<td>Music Theory III</td>
<td></td>
</tr>
<tr>
<td>MTF 252</td>
<td>Music Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or MTF 357</td>
<td>Music Theory III</td>
<td></td>
</tr>
<tr>
<td>MTF 370</td>
<td>Special Topics</td>
<td>3</td>
</tr>
</tbody>
</table>

Music Electives
Select two of the following: 6

- MTF 142 History of Rock and Pop
- MTF 156 Intro to World Music (if not selected above)
- MTF 159 Contemporary Music
- MTF 162 History of Broadway Musical
- MTF 241 Basic Conducting
- MTF 242 Music & Gender
- MTF 252 Music Composition I (if not selected above)
- MTF 253 Choral Music
- MTF 254 Jazz in Performance
- MTF 257 American Music (if not selected above)
- MTF 258 Major Composers
- MTF 268 Musical Theater Performance
- MTF 352 Music Composition II
- MTF 353 Advanced Vocal Performance
- MTF 354 Advanced Piano Performance
- MTF 355 Adv Ensemble Performance
- MTF 357 Music Theory III (if not selected above)
- MTF 358 Advanced Musical Composition
- MTF 359 Adv Instrumental Performance
- MTF 370 Special Topics

1 If a student places out of Music Fundamentals, this requirement is met by taking Music Theory I, II, and III.

2 A combination of four semesters of participation in a department-sponsored performance ensemble or private studio.

Ensembles include: Jazz Ensemble, University Singers, Concert Choir, Chamber Music

Private Studios include: Guitar, Piano, Violin and Voice

Theatre & Film Major

Departmental Educational Goals and Objectives

Goal 1: Development of Creative Voice and Abilities

Objective 1.1: Students will develop the ability to create performing arts works that express their creativity and unique voices.

Objective 1.2: Students will acquire skills in creative inquiry, analysis and self-reflection.

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Objective 4.1: Students will acquire the creative, technical, and analytical tools to begin professional work in the field or to pursue graduate studies.

Goal 5: Development of Social and Ethical Awareness

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Goal 6: Development of Collaborative and Service Skills

Objective 6.1: Students will engage, share and collaborate as creative citizens by completing performing arts projects that include campus, local, national and/or international communities.

Requirements for the Theatre & Film Major

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

As part of the GEP, all majors in Theatre & Film will select three courses total from at least two of the following three categories:

- ART: Art Studio Course
- ART: Art History Course
- COM: Communications Studies Course
- ENG: Dramatic Literature Course
- CSC: Computer Science Courses
- CAS: Chair-approved CAS course in Cinema Studies presented from the perspective of an independent discipline (i.e. Sociology, Psychology, Political Sciences, etc.)

GEP Electives

11-13 courses, depending on how many required courses in variable core and choice of major concentration.

The Theatre & Film Major

10 courses

Each student is required to take the following four Theatre & Film/TV common courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 161</td>
<td>Introduction to Theatre</td>
<td></td>
</tr>
<tr>
<td>MTF 162</td>
<td>History of Broadway Musical</td>
<td></td>
</tr>
<tr>
<td>MTF 191</td>
<td>Introduction to the Film</td>
<td></td>
</tr>
<tr>
<td>MTF 263</td>
<td>Acting 1</td>
<td>3</td>
</tr>
<tr>
<td>MTF 284</td>
<td>Digital Filmmaking</td>
<td>3</td>
</tr>
<tr>
<td>MTF 496</td>
<td>Senior Project II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following tracks to complete major:

**Track 1 – Theatre Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 261</td>
<td>Theatre Performance Practicum</td>
<td>3</td>
</tr>
<tr>
<td>or MTF 262</td>
<td>Production Practicum</td>
<td></td>
</tr>
<tr>
<td>MTF 264</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>MTF 265</td>
<td>Directing for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>MTF 266</td>
<td>Theatre History</td>
<td>3</td>
</tr>
<tr>
<td>MTF 267</td>
<td>Theater Design</td>
<td>3</td>
</tr>
<tr>
<td>MTF 363</td>
<td>Styles of Acting</td>
<td>3</td>
</tr>
</tbody>
</table>

**Track 2 - Musical Theatre Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 151</td>
<td>Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MTF 251</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MTF 261</td>
<td>Theatre Performance Practicum</td>
<td>3</td>
</tr>
<tr>
<td>MTF 264</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>or MTF 363</td>
<td>Styles of Acting</td>
<td></td>
</tr>
<tr>
<td>MTF 268</td>
<td>Musical Theater Performance</td>
<td>3</td>
</tr>
<tr>
<td>MTF 269</td>
<td>Musical Theatre Dance Styles</td>
<td>3</td>
</tr>
</tbody>
</table>

Four semesters of private voice lessons

**Track 3 - Film/TV Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 192</td>
<td>History of Narrative Film &amp; TV</td>
<td>3</td>
</tr>
<tr>
<td>MTF 282</td>
<td>Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>or MTF 283</td>
<td>Screenwriting for TV and Web</td>
<td></td>
</tr>
<tr>
<td>MTF 285</td>
<td>Short Film Production</td>
<td>3</td>
</tr>
<tr>
<td>MTF 381</td>
<td>Episodic TV/Web Series Prod</td>
<td>3</td>
</tr>
<tr>
<td>MTF 383</td>
<td>Directing for Film/TV</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following Film/TV electives:

**Production Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 181</td>
<td>Filmmaking Methods</td>
<td></td>
</tr>
<tr>
<td>MTF 281</td>
<td>Producing &amp; Business of Film</td>
<td></td>
</tr>
<tr>
<td>MTF 282</td>
<td>Screenwriting I</td>
<td></td>
</tr>
<tr>
<td>MTF 283</td>
<td>Screenwriting for TV and Web</td>
<td></td>
</tr>
</tbody>
</table>
Theatre Minor

Departmental Educational Goals and Objectives

Goal 1: Development of Creative Voice and Abilities

Objective 1.1: Students will develop the ability to create performing arts works that express their creativity and unique voices.

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Goal 6: Development of Collaborative and Service Skills

Objective 6.1: Students will engage, share and collaborate as creative citizens by completing performing arts projects that include campus, local, national and/or international communities.

(6 courses total)

Students wishing to minor in Theatre may do so by fulfilling the following requirements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF 161</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>MTF 263</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>MTF 265</td>
<td>Directing for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>Select three MTF courses for electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

1 MTF 263 Acting I may be replaced by MTF 265 Directing for the Stage or MTF 267 Theatre Design for Film/TV Track.

2 See course description below for explanation of the department’s capstone experience.

3 If a student will be writing a Thesis for their Senior Project, s/he is required to take MTF 391- Film Theory and Criticism; if s/he will be writing a feature screenplay, s/he is required to take MTF 382 – Screenwriting II – The Feature.
ORGANIZATIONAL DEVELOPMENT AND LEADERSHIP

Master of Science in Organizational Development and Leadership
Felice Tilin, Ph.D. Graduate Program Director
Merion Hall, Suite 280, 610-660-1575 ftilin@sju.edu

Program Mission Statement
The mission of the Saint Joseph’s University Master’s of Science in Organization Development and Leadership is to educate adult graduate students to create more effective and healthy human systems in an inclusive world community. Students learn to foster sustainable change in individuals, groups and organizational systems by applying theories, principles and research in the fields of organization development, adult learning, organizational psychology and organizational dynamics.

In order to achieve this mission the Master’s of Science in Organization Development and Leadership has four concentration areas: Concentration in Adult Learning and Training, Concentration in Organizational Psychology and Development, Concentration in Organization Dynamics and Leadership, and Concentration in Organizational Leadership.

Order of Taking Courses
Students should take the Foundation Courses at the beginning of their studies and must complete these courses before taking the 700 Level Advanced Courses. Advanced courses are taken as the last series of courses. Refer to course descriptions for specific course prerequisites.

Degree Requirements
To earn the Master of Science in Organization Development and Leadership with a concentration, students must satisfactorily complete 12 courses/36 credits. Two courses (six credits) may be transferred as long as they are in accord with program requirements and university standards. Transcripts must be submitted prior to matriculation.

Academic Advising
Advising is an important factor in enhancing the quality of each student’s experience in his or her concentration. Students who would like to discuss their course of study and/or who have questions on prerequisite courses or degree requirements should contact the Program Director, Dr. Felice Tilin, at the Graduate Organization Development and Leadership Office at 610-660-1575, email her at ftilin@sju.edu. Advising is readily available to counsel participants in the selection of courses and completing program requirements.

Adult Undergraduate Program:
- Organizational Development & Leadership (https://academiccatalog.sju.edu/arts-sciences/organizational-development-leadership-bls)

Graduate Programs
- Master of Science in Organizational Development and Leadership with a Concentration in Adult Learning and Training

- Master of Science in Organizational Development and Leadership with a Concentration in Organizational Psychology and Development
- Master of Science in Organizational Development and Leadership with a Concentration in Organizational Dynamics and Leadership
- Master of Science in Organizational Leadership - Online (p. 373)

ODL 200 Career & Personal Development (3 credits)
This course takes the student through a systematic and integrative process of examining eight research-supported “critical factors for success” as they apply to oneself and one’s career. This course will be partially didactic, while being primarily small group oriented, experiential and self-reflective. No prerequisites.
Attributes: Undergraduate

ODL 300 Organizational Development (3 credits)
A behavioral science perspective on the causes and outcomes of individual and group behavior in organizations, and of the behavior of organizations. Topics will include motivation, attitudes, interpersonal processes, leadership, and macro-organizational behavior. Prerequisite: PSY 100 or permission of instructor.
Prerequisites: (PSY 1005 or PSY 1001 or PSY 100 or PSY 101 or PSY 1011)
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 310 Group & Team Dynamics (3 credits)
Almost all of our behavior takes place in the presence of other people. A number of small group practitioners and researchers have presented explanations for the why and how of individual behavior in group and team settings. Through the vehicle of the class as laboratory students will experientially examine a number of theories and concepts about individual behavior in group/team settings. Students through class discussions will learn to observe, understand, examine and influence team and group development. Prerequisite: PSY 100 or permission of instructor.
Prerequisites: PSY 1005 or PSY 1001 or PSY 100 or PSY 101
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 320 Leadership & Development (3 credits)
In this course, participants will review and discuss current applicable social science literature in an attempt to answer some of the following questions: Who is a leader? What is leadership? Does effective leadership originate in a person or in a set of actions or behaviors? What do we know about developing leaders? How do the constraints of organizations inhibit or facilitate leadership development? What is your current leadership style? These and related questions will be examined by class members through lectures, case studies, self-assessments, and experiential activities. Prerequisite: PSY 100.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 330 Issues in Organizational Development (3 credits)
Selected issues in the field such as change agency, emotional intelligence, assessment, group and interpersonal processes, job enrichment, selection, and placement will be discussed. Small groups, role-playing, and other experiential exercises will clarify important concepts in the field. Prerequisite: ODL 300.
Prerequisites: ODL 300
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate
ODL 340 Coaching & Consulting (3 credits)
Roles, functions, tools and settings that define a consulting psychologist will be explored with an emphasis on the corporate world. Small groups, role-playing, videos and other experiential exercises will clarify and supplement readings, research and discussion. Prerequisites: PSY 100 or permission of the instructor.
Prerequisites: ODL 300 and ODL 320
Attributes: Undergraduate

ODL 350 Organizational Research (3 credits)

ODL 400 Cap Proj - Org Development (3 credits)
This course serves as a senior-level, research-based capstone in which organizational development students complete a research project typically developed in the Issues in Organizational Development course. Students will present and orally defend their research project to the Organizational Development and Leadership faculty. Prerequisite: ODL 330.
Prerequisites: PSY 2725 or ODL 330
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 600 Adult Learning: Theory & App (3 credits)
Course introduces students to adult education theory that focuses on how adults learn, application of adult education theory, skills required in the delivery of adult learning programs and an introduction to group process. Students have an opportunity to develop a professional learning theory and model. Students also discover their learning style and how style impacts their ability to use their theory and model. Use of feedback as a tool for learning allows students to realize how to improve their facilitation approach. ALT Concentration Requirement
Restrictions: Enrollment is limited to Graduate level students.

ODL 605 Performance Consulting (3 credits)
Course presents to the Organization Development and Leadership professional the practical tools necessary to measure and evaluate the effectiveness of learning and change programs. A specific technology is presented in a step-by-step approach, which links the collaborative consulting process with performance assessment. The course focuses on increasing students’ ability to communicate and work with leaders in their organizations. ALT and OPD Concentration Requirement
Restrictions: Enrollment is limited to Graduate level students.

ODL 610 Adult Learning Methods (3 credits)
Major delivery methods and techniques that foster adult learning are discussed and demonstrated. Key elements are discussed that allow students to effectively facilitate adult learning methods that enhance individual and group learning. Emphasis is placed on student participation that fosters experiential learning. Impact of communication style on delivery effectiveness is also discussed. Some methods include case studies, role-plays, small groups, games, simulations, questioning techniques and icebreakers. ALT Concentration Requirement.
Prerequisite: ODL 600.
Prerequisites: ODL 600
Restrictions: Enrollment is limited to Graduate level students.

ODL 615 Learning Design & Implem (3 credits)
Major steps in creating and designing adult education learning programs are discussed. Students develop a program that demonstrates their understanding of the key components of instructional design. Specific topics include collaborative relationships with customers/management, needs assessment, analyzing data, writing learning objectives, cost effectiveness of programs, selecting and sequencing content, developing learning materials and constructing evaluative instruments. ALT Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.

ODL 618 e-learning Design (3 credits)
Technological innovations are increasingly being used in training and development programs. Through the lens of adult learning theory, students will assess online learning needs, develop online modules, create online communities of learning and become familiar with the language and best practices associated with eLearning program development. (Pre-requisite: ODL 600 or permission form Director).
Prerequisites: ODL 600
Restrictions: Enrollment is limited to Graduate level students.

ODL 620 Psych Assessments (3 credits)
The psychological theories and practices underlying a wide variety of instruments used in assessing individual and group behavior in organizations will be examined. Issues and topics will include employee selection, performance, ability, attitude and development. Participants learn how to critically evaluate measures to answer organizational issues. OPD Concentration Requirement
Restrictions: Enrollment is limited to Graduate level students.

ODL 625 Psych of Executive Coaching (3 credits)
Executive Coaching has become a staple within many organizations. Executive Coaching is essentially a purposeful, relational intervention based in psychosocial concepts that leads to new and more complex level of functioning in one party. This course primarily assists the student in further development of their coaching skills and models while also examining coaching models, underlying constructs, skills and relevant coaching research. OPD Concentration Requirement, or ODL 680.
Restrictions: Enrollment is limited to Graduate level students.

ODL 630 Ldshp & Team Development (3 credits)
Course focuses on theories and practices required in leading and developing teams. Issues of leadership behavior, interpersonal relations, group roles and stages of development are examined in an experiential laboratory. OPD Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.

ODL 635 Positive Org Pscy& Scholarship (3 credits)
This course will provide you with a grounding in the theories and applications of positive organizational and organizational psychology. The core premise of this course is that leadership and personal scholarship excellence are fundamentally tied to creating/enabling organizational contexts that build human strengths as well as unlock the positive and generative dynamics of vibrant human communities. This course will help you to create, foster, and develop organizations where people learn to thrive and perform at their best.
Restrictions: Enrollment is limited to Graduate level students.
ODL 640 Talent Dev & Mgt in Modern Org (3 credits)
An overview course that focuses on the emerging trend of talent management with a specific focus on how talent development, learning and training aligns with organizational strategy. Topics include areas like coordinating individual's goals and organizational goals, positioning the learning function, and positioning yourself for a leadership position through talent development.
Restrictions: Enrollment is limited to Graduate level students.

ODL 642 Facilitating Adult Learning (3 credits)
Adult learning, as it relates to training/organization development, involves a combination of facilitation and presentation skills. Course focuses on strategies that increase students' ability to interact with individuals and groups in these areas. Impromptu and planned presentations are audio taped and videotaped for students to receive constructive feedback. Facilitation techniques include managing question-and-answer sessions, dealing with resistive participants, and getting stalled sessions/groups going.
Restrictions: Enrollment is limited to Graduate level students.

ODL 644 Ldshp Dev Methods for Training (3 credits)
An introductory experiential course that acquaints the learner with the role and activities of being a leader in an organization. Management styles as well as key practices such as planning, decision making, change, conflict, motivation, group dynamics and control are discussed through interactive exercises.
Restrictions: Enrollment is limited to Graduate level students.

ODL 646 Career Dev Theory & Practice (3 credits)
Course provides students with an experiential understanding of the process of career development. Through a primarily experiential approach, where students craft their own career vision, students have an opportunity to engage key concepts in the field of career development. In addition, topics such as assessment, gender, choice, interventions and career management are experienced and discussed.
Restrictions: Enrollment is limited to Graduate level students.

ODL 647 Appreciative Inquiry (3 credits)
Appreciative Inquiry (AI) is a methodology (and philosophy) for system intervention. Instead of examining what is wrong with a system and devising ways to fix it, AI discovers what is right with a system and engages stakeholders to amplify and build upon that positive core and spurs innovation. Prerequisite: ODL 605 for ALT and OPD Concentrations, No Pre requisites for ODL Concentration
Restrictions: Enrollment is limited to Graduate level students.

ODL 648 Conflict & Negotiation (3 credits)
ODL 650 Organizational Leadership (3 credits)
This course provides a foundation for leadership competencies and characteristics necessary for guiding organizations. Students will use self-awareness tools grounded emotional intelligence developed especially for organizational leaders. Students will deepen their understanding of traditional and contemporary leadership research, theories and practices; and, explore the organizational contexts where work, management and leadership happen. Students will examine the responsibility that comes with leadership through readings, lectures, small group interactions and an online self-development process. This foundational course provides the framework for other online course work by establishing a community of learners.
Restrictions: Enrollment is limited to Graduate level students.

ODL 655 Change & Culture (3 credits)
Studying an organization's culture is essential to any successful change effort. This course will enable students to study organizational theories, systems thinking, and the relationship between cultural issues and successful change implementation. They will experiment with taking on the role of a change agent through simulations, case studies, and studying the culture and changes in their own work place.
Restrictions: Enrollment is limited to Graduate level students.

ODL 660 Strategic Leadership (3 credits)
Consulting, advising, educating and coaching leaders necessitates a knowledge and understanding of the learning process and how that translates into strategy for changing any human social environment. In Strategic Leadership you will get a chance to broaden your knowledge and expand your leadership development toolkit as a leader and an educator of leaders. Specific strategies are considered and students begin to explore new ways of looking at leadership and their own behaviors in order to successfully implement strategies. Students have will have the opportunity to engage with a group of other students in an action research project and participate in a skill weekend where they reflect on the assumptions underlying their leadership actions.
Restrictions: Enrollment is limited to Graduate level students.

ODL 665 Leading Teams (3 credits)
A big part of organizational life takes place in groups. This course focuses on theories of group dynamics and development and the application to team membership and leadership. Facilitating teams, assessing the development of a team, influencing groups, group roles and group decision-making processes and the dynamics of creating effective virtual teams will all be explored. Students will work in teams in this class and will integrate class learning with their work experience on teams.
Restrictions: Enrollment is limited to Graduate level students.

ODL 666 Social Media & Learning (3 credits)

ODL 670 Strategic Leader Ethics & Values (3 credits)
Thinking strategically about your own development and the development of others is critical to your personal development and your ability to develop others. Leading at the next level requires knowledge and understanding of organizational vision, mission, values, ethics and communication. You will explore the impact of ethics and values on decision-making and organizational effectiveness. Students have the opportunity to focus on a particular area of organizational life and explore the impact of communications, perceptions, behaviors, culture, and current events on the outcomes of projects and initiatives. Pre-Requisites ODL 650 and ODL 655 or permission from Director. Pre-Requisites: ODL 655 and ODL 650
Restrictions: Enrollment is limited to Graduate level students.

ODL 675 Implementing Change (3 credits)
Course aids students in designing and effectively implementing change programs and projects while achieving and sustaining performance. Students have an opportunity to create a change model from both experience and research. Major issues impacting change will be discussed including understanding resistance and techniques to overcome resistance to change.
Restrictions: Enrollment is limited to Graduate level students.
ODL 680 Coaching & Mentoring Skills (3 credits)
This interactive course provides students with the opportunity to learn coaching skills. Specific topic areas include giving and receiving feedback, identifying and understanding communication style preferences, learning how to listen for the "real issues." This course is aligned with the competencies of the International Coach Federation (ICF) and can be applied to professional coaching portfolio hours.
Restrictions: Enrollment is limited to Graduate level students.

ODL 685 Sem in Global Organ Issues (3 credits)
Learning to work across the boundaries of culture, opinions, language, ideas and time zones takes practice, experience, empathy and a sense of adventure. This Seminar in Global Leadership is offered in that spirit to give graduate students the opportunity to do a deep dive into other environments, exposure to multinational organizations like the United Nations, NGO’s, Schools, corporations, health systems etc. and to both study and get first hand exposure to training and leadership development functions, and what it takes to manage, facilitate and develop positive human development strategies from a multinational perspective. We will look at global learning and leadership at the individual, organization, national, regional and global levels.
Restrictions: Enrollment is limited to Graduate level students.

ODL 686 Global Leadership (3 credits)
There is no better way to learn about cultural diversity and working in a multinational society than to actually travel to another country. The Study Tour Course includes 9 days in another country and pre work to prepare for the trip and post tour projects. This is a deeply experiential program with a focus on cultural diversity in a variety of education, business and social justice settings. The students will get a chance to network and learn from professionals in other countries.

ODL 688 Social Media & Learning (3 credits)
The course will examine the relationship between learning and social media. Current trends and use of social media in training, education, marketing, product development, data collection, customer service, and networking are some of the topics that will be covered. Students will discuss and evaluate uses of social media in informal social networking and formal knowledge management learning settings. Students will critique their own organization’s culture and values around learning and social media and the challenges and opportunities they pose.

ODL 690 Creative Problem Solving (3 credits)
Creative problem solving is an essential skill for people working in complex organizations. Creative thinkers reflect on the assumptions underlying actions and consider new ways of looking at and living in the world. They use methods to identify new alternatives. This course is a comprehensive guide for making worthwhile, influential and creative contributions at work. Students have an opportunity to identify and overcome personal and organizational barriers to develop breakthrough thinking.
Restrictions: Enrollment is limited to Graduate level students.

ODL 695 Org Change: A Gestalt Approach (3 credits)
This course will focus on the Gestalt Model in organizational change consulting. Students will learn a powerful new perspective that recognizes behavior and interactions of systems, rather than individuals, creating new and dynamic possibilities for intervention. A theoretical and practical framework will be taught for high-impact consulting in organizations, exploring critical dilemmas and offering opportunities to practice new skills. This course will benefit students who wish to understand and develop process consultation skills while learning a new framework for managing change. Approved by International Coaching Federation (ICF) for coach accreditation hours. Prerequisite: ODL 605 for ALT and OPD Concentrations, No Pre requisites for ODL Concentration
Restrictions: Enrollment is limited to Graduate level students.

ODL 700 Org Dev Theory & App (3 credits)
Course presents an overview of the fundamental components of organization development. Case studies are discussed and analyzed to demonstrate the fundamental components of OD. Practical skills and approaches are studied, such as change techniques and strategies, influence methods in dealing with leaders and consulting/learning models. Focus of course helps students implement successful learning or change programs in their organization. Topics of discussion include developing sponsorship, action research methods, survey feedback approaches, and dealing with conflict. Prerequisite: ODL 650 and 655 or Permission from Director.
Prerequisites: ODL 650 and ODL 655
Restrictions: Enrollment is limited to Graduate level students.

ODL 705 Facilitating Org Development (3 credits)
This course includes an overview of how skilled facilitation helps individuals and groups learn and change within organizations. This course is part of a yearlong journey in which students immerse themselves in learning new skills to lead change. Students have an opportunity to practice organization development skills and learn new methods in helping individuals and groups learn to change. Participants learn to effectively use their own behaviors to influence others in creating work environments that foster collaborative, open problem solving, dealing with differences and participative decision making. (Prerequisites for ALT and ORG Psych: All Core Courses).

ODL 710 Interven Skills: Strat & Desgn (3 credits)
Students have an opportunity to complete a project demonstrating action research methodology. Course centers on understanding how to use interventions and the impact that interventions can have within an organizational setting. Students have an opportunity to design and facilitate interventions both in class and in their organization to assure the successful implementation of change and/or that individual learning takes place within their project. Prerequisite: ODL 705
Prerequisites: ODL 705
Restrictions: Enrollment is limited to Graduate level students.

ODL 750 Change Leader:Facilitating Chg (6 credits)
This is a 6-credit Residency specifically required for students signing up for the online ODL program. The course is designed to be a transformative experience that builds on all of the preceding courses. It will provide real-time community interaction, face-to-face feedback, and opportunities to lead change experiments. During this residency, students learn how to close the gap between knowing and doing through specific teaching and learning strategies. The program is organized into a series of clinics focusing on areas like facilitative leadership, team leadership, implementing change, and power and authority dynamics. Prerequisite: ODL 650 or permission form Director.
Prerequisites: ODL 650
ODL 770 Special Topics in ODL (3 credits)

ODL 775 Capstone Seminar (3 credits)

ODL 780 Research Design & Eval (3 credits)
The course helps students design and evaluate research in their respective organization or field of study. Methods are presented for application to work situations. Topics include: the similarities and differences between theoretical and applied research, use of data-gathering techniques, writing of research reports and evaluation methods for change, learning, and research projects. Prerequisite: Completion of Foundation Courses. Required for ALT and OPD concentration. Restrictions: Enrollment is limited to Graduate level students.

ODL 785 Advanced Seminar (3 credits)
A capstone course and the last course taken in the Organization Development and Leadership Graduate Program. Course provides students the opportunity to complete a professional paper on a topic/issue of their choice utilizing research methods and statistics. Students also complete an independent/group project leading to the design and facilitation of a learning or change project. Prerequisite: ODL 780. Prerequisites: ODL 780 (may be taken concurrently) Restrictions: Enrollment is limited to Graduate level students.

Master of Science in Organizational Development and Leadership with a Concentration in Adult Learning and Training

Program Objectives
The Adult Learning and Training Concentration (ALT) focuses on Talent Development and Leadership. This enhances career development and is designed for leaders who are building careers in Organizational Change and for Adult Educators, Talent Managers, Trainers Facilitators, Curriculum Designers, Instructional Designers, Technical Trainers, Consultants, Health Education Professionals, and individuals in career transitions. Students will develop skills and knowledge in designing and facilitating talent development and training programs and utilizing experiential and adult learning methods to lead others and facilitate learning experiences. Learning objectives for the Master’s Degree Concentration in Adult Learning and Training are to:

• Learn how to lead others by developing competencies such as self-awareness, self-management, communication, organizational awareness and managing others.
• Analyze learning and performance needs
• Consult with employers and clients to develop talent by implementing learning strategies, training programs, coaching programs and workshops
• Design interventions and instructional approaches that meet objectives
• Increase self-awareness about personal learning and professional development
• Facilitate programs based in adult learning principles, methods and techniques
• Measure outcomes and evaluate performance improvement

Admission Requirements
Students seeking admission to the Organization Development and Leadership Graduate Program with a concentration in Adult Learning and Training must have a baccalaureate degree from an accredited college or university. In addition, applicants must have two or more years of professional work experience. Applicants with an undergraduate GPA below 2.8 may have to submit Graduate Record Examination (GRE) or Miller Analogies Test (MAT) scores and request provisional status for admission. Applicants should submit and online graduate application form and all required documents outlined in the admissions section for Graduate Arts and Sciences.

ODL Concentration in Adult Learning and Training

Goal 1: Students will gain knowledge and apply the history, theories, values, ethics, processes and practices of Organization Development to their workplace, communities and/or personal lives.

Objective 1.1: Students will display the ability to conduct assessments, build relationships, and intervene for positive human impact at the individual, group, and organization levels of system

Objective 1.2: Students will practice and assess the use of dialogical models, feedback, coaching and simulations designed to transform individuals and effect change in organizations.

Objective 1.3: Students will examine the influence of organizational culture on behavior change.

Goal 2: Students will develop interpersonal and leadership competencies for lifelong learning in themselves and others.

Objective 2.1: Students will use recommended models of leadership (e.g., emotional intelligence, situational leadership, whole brain theory, neuroscience, etc.) to document growth in self-awareness.

Objective 2.2: Students will demonstrate self-awareness through learning activities, critical reflection and demonstrating knowledge grounded in current research and models of leadership development like emotional intelligence, situational leadership, whole brain theory, neuroscience, etc.

Objective 2.3: Students will be able to describe and/or demonstrate knowledge of the relationships between learning, leadership, and change.

Goal 3: Students will respect, value and demonstrate academic research and writing

Objectives 3.1: The student will complete a thesis or capstone using APA style applicable to the workplace or academic discipline.

Concentration in Adult Learning and Training
The Master of Science in Organization Development and Leadership with a Concentration in Adult Learning and Training consists of twelve 3-credit courses. The thirty-six credits are distributed as follows:

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<tbody>
<tr>
<td>ODL 600</td>
<td>Adult Learning: Theory &amp; App</td>
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<td>ODL 605</td>
<td>Performance Consulting</td>
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<td>ODL 610</td>
<td>Adult Learning Methods</td>
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</tr>
<tr>
<td>ODL 615</td>
<td>Learning Design &amp; Implem</td>
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Electives
These courses help students develop expertise in a specific area of interest. Students select four elective courses. The courses below are a sample of electives that can be taken. Substitution is permissible with permission of your advisor. (Foundation courses from the Organization Psychology Concentration can be taken as electives.)

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**Advanced Courses**

The Advanced Courses are designed to provide students with advanced facilitation, influence, consulting and intervention skills.

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<td>ODL 785</td>
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* These courses require either pre requisites or permission from the Director.

**ODL Elective Option: Health Administration**

An option exists for selected students working in the health care industry who require more knowledge and skills in the Organizational Development and Leadership field. Students who wish to pursue graduate courses in Health Administration and who enrolled in the Master of Science program in Organizational Development and Leadership may choose the following courses in place of Elective courses offered. Students must meet the admission requirements for Health Administration. All Foundation and Advanced Courses would be required with any four of the following courses taken in place of Elective courses. Course substitution is permissible under certain circumstances and advisor approval.

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**Master of Science in Organizational Development and Leadership with a Concentration in Organizational Dynamics and Leadership**

**Concentration in Organizational Dynamics and Leadership**

**Program Objectives**

The Organizational Dynamics and Leadership Concentration is designed to enhance the capability of executives, middle managers, project managers, sales managers, human service directors and supervisors, educational leaders, government officials, supervisors, military officers, and HR administrators in cultivating their ability to lead. The Concentration is designed for busy professionals who have a clear understanding of their educational objectives. The curriculum of the program focuses on the human side of business with training in organizational behavior, leadership development, and personal growth. A variety of management models and tools are studied: including: Emotional and Social intelligence, leadership styles, team development, cultural competence, power and authority dynamics and effective communication.

Learning objectives for the Master’s Degree Concentration in Organizational Dynamics and Leadership are to:

- Emphasize leadership competencies such as self-awareness, inspirational leadership, influence and managing conflict by developing the ability to learn and value others knowledge and experience.
- Enhance students’ knowledge of psychology and education to successfully initiate, execute, and implement strategic and operational goals by creating positive work environments.
- Learn skills and knowledge to translate vision, both professional and personal, into reality by broadening the student’s comfort zone through self-assessment.

**Admission Requirements**

Students seeking admission to the Organization Development and Leadership Graduate Program Online with a must have a baccalaureate degree from an accredited college or university. In addition, applicants must have six or more years of professional work experience in organizations. Applicants with an undergraduate GPA below 2.8 may have to either submit a work resume that shows a substantial post-undergraduate work history or submit Graduate Record Examination (GRE) or Miller Analogies Test (MAT) scores.
Applicants should submit an online graduate application form and all required documents as outlined in the admission section for Graduate Arts and Sciences.

**ODL Concentration in Organizational Dynamics and Leadership**

**Goal 1:** Students will gain knowledge and apply the history, theories, values, ethics, processes and practices of Organization Development to their workplace, communities and/or personal lives.

**Objective 1.1:** Students will display the ability to conduct assessments, build relationships, and intervene for positive human impact at the individual, group, and organization levels of system

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**Objectives 3.1:** The student will complete a thesis or capstone using APA style applicable to the workplace or academic discipline

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<td>HAD 552</td>
<td>Health Administration</td>
<td>3</td>
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<td>Health Care Organization</td>
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<tr>
<td>or ODL 705</td>
<td>Facilitating Org Development</td>
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<td>ODL 665</td>
<td>Leading Teams</td>
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<tr>
<td>or ODL 710</td>
<td>Interven Skills: Strat &amp; Desgn</td>
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**Master of Science in Organizational Development and Leadership with a Concentration in Organizational Psychology and Development**
Concentration in Organizational Psychology and Development

Program Objectives

The Organizational Psychology and Development Concentration strengthens the ability of Organization Development Practitioners, Human Resource Professionals, Project Leaders, Managers, Change Agents, Internal and External Consultants, Mental Health Professionals and individuals in career transition to develop assessment, planning, facilitation and consulting skills in guiding and implementing change in self, groups and organizations. Learning objectives for the Master's Degree Concentration in Organizational Psychology and Development are to:

- Collaborate with sponsors/clients by helping to assess their needs
- Collect and act on quantitative and qualitative data that identifies organization and individual strengths and weaknesses.
- Learn new skills to create strategies that align individual and departmental goals with organizational objectives
- Leverage internal/external resources to deliver excellent client services by concentrating on the work issues and problems that matter
- Develop measurements that help clients focus their behaviors on achieving specific outcomes.

Admission Requirements

Students seeking admission to the Organization Development and Leadership Graduate Program with a concentration in Organizational Psychology and Development must have a baccalaureate degree from an accredited college or university. In addition, applicants must have four or more years of professional work experience in organizations. Applicants with an undergraduate GPA below 2.8 may have to submit Graduate Record Examination (GRE) or Miller Analogies Test (MAT) scores and request provisional status for admission.

Applicants should submit an online graduate application form and all required documents as outlined in the admission section for Graduate Arts and Sciences.

ODL Concentration in Organizational Psychology and Development

Goal 1: Students will gain knowledge and apply the history, theories, values, ethics, processes and practices of Organization Development to their workplace, communities and/or personal lives.

Objective 1.1: Students will display the ability to conduct assessments, build relationships, and intervene for positive human impact at the individual, group, and organization levels of system

Objective 1.2: Students will practice and assess the use of dialogical models, feedback, coaching and simulations designed to transform individuals and effect change in organizations.

Objective 1.3: Students will examine the influence of organizational culture on behavior change.

Goal 2: Students will develop interpersonal and leadership competencies for lifelong learning in themselves and others.

Objective 2.1: Students will use recommended models of leadership (e.g., emotional intelligence, situational leadership, whole brain theory, neuroscience, etc.) to document growth in self-awareness.

Objective 2.2: Students will demonstrate self-awareness through learning activities, critical reflection and demonstrating knowledge grounded in current research and models of leadership development like emotional intelligence, situational leadership, whole brain theory, neuroscience, etc.

Objective 2.3: Students will be able to describe and/or demonstrate knowledge of the relationships between learning, leadership, and change.

Goal 3: Students will respect, value and demonstrate academic research and writing

Objectives 3.1: The student will complete a thesis or capstone using APA style applicable to the workplace or academic discipline

The Master of Science in Organization Development and Leadership with a Concentration in Organizational Psychology and Development consists of twelve 3-credit courses. The thirty-six credits are distributed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ODL 605</td>
<td>Performance Consulting</td>
<td>3</td>
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<tr>
<td>ODL 620</td>
<td>Psych Assessments</td>
<td>3</td>
</tr>
<tr>
<td>ODL 660</td>
<td>Strategic Leadership</td>
<td>3</td>
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<td></td>
<td>Choose one of the following (Coaching Block):</td>
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<tr>
<td>ODL 625</td>
<td>Psych of Executive Coaching</td>
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<tr>
<td>ODL 680</td>
<td>Coaching &amp; Mentoring Skills</td>
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<td>Choose one of the following (Team Block):</td>
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<tr>
<td>ODL 630</td>
<td>Ldshp &amp; Team Development</td>
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<tr>
<td>ODL 665</td>
<td>Leading Teams</td>
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<td>Choose one of the following (Current Methods Block):</td>
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<tr>
<td>ODL 635</td>
<td>Positive Org Psyc&amp; Scholarship</td>
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<tr>
<td>ODL 647</td>
<td>Appreciative Inquiry</td>
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<tr>
<td>ODL 695</td>
<td>Org Change: A Gestalt Approach</td>
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Elective Courses

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ODL 600</td>
<td>Adult Learning:Theory &amp;App</td>
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<td>ODL 615</td>
<td>Learning Design &amp; Implem</td>
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<td>ODL 618</td>
<td>e-learning Design</td>
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<tr>
<td>ODL 625</td>
<td>Psych of Executive Coaching</td>
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<tr>
<td>ODL 630</td>
<td>Ldshp &amp; Team Development</td>
<td>3</td>
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<tr>
<td>ODL 635</td>
<td>Positive Org Psyc&amp; Scholarship</td>
<td>3</td>
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<tr>
<td>ODL 645</td>
<td>Leadership Principles</td>
<td>3</td>
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<tr>
<td>ODL 646</td>
<td>Career Dev Theory &amp; Practice</td>
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<tr>
<td>ODL 647</td>
<td>Appreciative Inquiry</td>
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<tr>
<td>ODL 650</td>
<td>Organizational Leadership</td>
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<tr>
<td>ODL 655</td>
<td>Org Change &amp; Culture</td>
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<tr>
<td>ODL 665</td>
<td>Leading Teams</td>
<td>3</td>
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<tr>
<td>ODL 668</td>
<td>Social Media &amp; Learning</td>
<td>3</td>
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<tr>
<td>ODL 675</td>
<td>Implementing Change</td>
<td>3</td>
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<tr>
<td>ODL 680</td>
<td>Coaching &amp; Mentoring Skills</td>
<td>3</td>
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<tr>
<td>ODL 685</td>
<td>Sem in Global Organ Issues</td>
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<tr>
<td>ODL 686</td>
<td>Global Leadership</td>
<td>3</td>
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</table>
ODL 690 Creative Problem Solving 3
ODL 695 Org Change: A Gestalt Approach 3
ODL 700 Org Dev Theory & App 3
HED 575 Stress and Crisis Management 3
EDL 655 Interpersonal Relations 3

Advanced Courses
The Advanced Courses are designed to provide students with advanced facilitation, influence, consulting and intervention skills. All four Advanced Courses are required.

ODL 705 Facilitating Org Development 3
ODL 710 Interven Skills: Strat & Design 3
ODL 780 Research Design & Eval 3
ODL 785 Advanced Seminar 3

1 The courses below are a sample of electives that can be taken. Substitution is permissible with permission of your advisor. Foundation courses from the Adult Learning and Training Concentration can be taken as electives. Courses from the Blocks can be taken as electives.

ODL Elective Option: Health Administration
An option exists for selected students working in the health care industry who require more knowledge and skills in the Organizational Development and Leadership field. Students who wish to pursue graduate courses in Health Administration and who enrolled in the Master of Science program in Organizational Development and Leadership may choose the following courses in place of Elective courses offered. Students must meet the admission requirements for Health Administration. All Foundation and Advanced Courses would be required with any four of the following courses taken in place of Elective courses. Course substitution is permissible under certain circumstances and advisor approval.

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<tr>
<th>Code</th>
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<tr>
<td>HAD 552</td>
<td>Health Administration</td>
<td>3</td>
</tr>
<tr>
<td>HAD 553</td>
<td>Health Care Organization</td>
<td>3</td>
</tr>
<tr>
<td>HAD 600</td>
<td>Ethics of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HSV 551</td>
<td>Managed Health Care</td>
<td>3</td>
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<tr>
<td>ODL 650</td>
<td>Organizational Leadership</td>
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<td>or ODL 660</td>
<td>Strategic Leadership</td>
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<td>ODL 655</td>
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<td>or ODL 705</td>
<td>Facilitating Org Development</td>
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<tr>
<td>ODL 665</td>
<td>Leading Teams</td>
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<tr>
<td>or ODL 710</td>
<td>Interven Skills: Strat &amp; Design</td>
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Master of Science in Organizational Leadership - Online

Concentration in Organizational Leadership - Online
Program Objectives
The Concentration in Organizational Development and Leadership (Online) is designed to enhance the capability of executives, middle managers, project managers, sales managers, human service directors and supervisors, educational leaders, government officials, supervisors, military officers, and HR administrators in cultivating their ability to lead. The Concentration is designed for busy professionals who have a clear understanding of their educational objectives. The curriculum of the program focuses on the human side of business with training in organizational behavior, leadership development, and personal growth. A variety of management models and tools are studied: including:

- Emotional and Social Intelligence, leadership styles, team development, cultural competence, power and authority dynamics and effective communication

Learning objectives for the Organization Development and Leadership Master’s Degree Online are to:

- Emphasize leadership competencies such as self-awareness, inspirational leadership, influence and manage conflict by developing the ability to learn and value others’ knowledge and experience.
- Enhance students’ knowledge of psychology and education to successfully initiate, execute, and implement strategic and operational goals by creating positive work environments.
- Learn skills and knowledge to translate vision, both professional and personal, into reality by broadening the student’s comfort zone through self-assessment.

Admission Requirements
Students seeking admission to the Organization Development and Leadership Graduate Program with a concentration in Organization Development and Leadership (Online) must have a baccalaureate degree from an accredited college or university. In addition, applicants must have six or more years of professional work experience in organizations. Applicants with an undergraduate GPA below 2.8 may have to either submit a work resume that shows a substantial post-undergraduate work history or submit Graduate Record Examination (GRE) or Miller Analogies Test (MAT) scores.

Applicants should submit an online graduate application form and all required documents as outlined in the admission section for Online Graduate Arts and Sciences Programs.

ODL Concentration in Organizational Dynamics and Leadership
Goal 1: Students will gain knowledge and apply the history, theories, values, ethics, processes and practices of Organization Development to their workplace, communities and/or personal lives.

Objective 1.1: Students will display the ability to conduct assessments, build relationships, and intervene for positive human impact at the individual, group, and organization levels of system

Objective 1.2: Students will practice and assess the use of dialogical models, feedback, coaching and simulations designed to transform individuals and effect change in organizations.

Objective 1.3: Students will examine the influence of organizational culture on behavior change.

Goal 2: Students will develop interpersonal and leadership competencies for lifelong learning in themselves and others.

Objective 2.1: Students will use recommended models of leadership (e.g., emotional intelligence, situational leadership, whole brain theory, neuroscience, etc.) to document growth in self-awareness.
Objective 2.2: Students will demonstrate self-awareness through learning activities, critical reflection and demonstrating knowledge grounded in current research and models of leadership development like emotional intelligence, situational leadership, whole brain theory, neuroscience, etc.

Objective 2.3: Students will be able to describe and/or demonstrate knowledge of the relationships between learning, leadership, and change.

Goal 3: Students will respect, value and demonstrate academic research and writing

Objectives 3.1: The student will complete a thesis or capstone using APA style applicable to the workplace or academic discipline

Curriculum

Foundation Courses
The Foundation Courses are designed to ensure that all students in the program have a common body of knowledge and experience in consultation, facilitation, and. All five Foundation courses are required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ODL 650</td>
<td>Organizational Leadership</td>
<td>3</td>
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<tr>
<td>ODL 655</td>
<td>Org Change &amp; Culture</td>
<td>3</td>
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<tr>
<td>ODL 665</td>
<td>Leading Teams</td>
<td>3</td>
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<tr>
<td>ODL 700</td>
<td>Org Dev Theory &amp; App</td>
<td>3</td>
</tr>
<tr>
<td>ODL 750</td>
<td>Change Leader:Facilitating Chg *</td>
<td>6</td>
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</tbody>
</table>

* A six-credit course with a face to face residency component

Electives
These courses help students develop expertise in a specific area of interest. Students select four elective courses. The courses below are a sample of electives that can be taken. Substitution is permissible with permission of your advisor.

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ODL 600</td>
<td>Adult Learning:Theory &amp;App</td>
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</tr>
<tr>
<td>ODL 646</td>
<td>Career Dev Theory &amp; Practice</td>
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<tr>
<td>ODL 647</td>
<td>Appreciative Inquiry</td>
<td>3</td>
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<tr>
<td>ODL 670</td>
<td>Strategic Leader Ethics&amp;Values</td>
<td>3</td>
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<tr>
<td>ODL 680</td>
<td>Coaching &amp; Mentoring Skills</td>
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<tr>
<td>ODL 685</td>
<td>Sem in Global Organ Issues</td>
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<td>ODL 686</td>
<td>Global Leadership</td>
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<tr>
<td>ODL 695</td>
<td>Org Change: A Gestalt Approach</td>
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Advanced Courses
The Advanced Courses are designed to provide students with advanced facilitation, influence, consulting and intervention skills.

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ODL 780</td>
<td>Research Design &amp; Eval</td>
<td>3</td>
</tr>
<tr>
<td>ODL 785</td>
<td>Advanced Seminar</td>
<td>3</td>
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</tbody>
</table>
PHILOSOPHY

Department Overview and Mission

Philosophy is a creative and critical exploration of the meanings and values by which we live our lives. Philosophers inquire, in a disciplined yet free and unrestricted manner, into matters indispensable to our humanity and to human flourishing in society, politics, and culture. By attempting to understand reason itself, and in specifying the conditions under which reality can be known truly, philosophers examine the fundamental presuppositions and the normative foundations of human practices such as language, law, science, art, education, ethics, and religion. To enter into philosophy is to find a new way of wondering and speaking about those things that matter most to us as human beings—love and friendship, work and creativity, suffering and death, identity and diversity, God and the mystery of evil, freedom and responsibility, and the possibility of living a good and meaningful life.

Philosophy in the GEP

To achieve the aims of philosophy in the University’s GEP, all students are required to take two philosophy courses: one course that deals with morality, PHL 154 Moral Foundations, and one course that deals with philosophical themes critical to reflection upon the nature of humans as persons. This second course can be chosen from among a number of courses in the Philosophical Anthropology area. In addition, students may choose to take a philosophy course to satisfy the GEP signature requirement in the Faith and Reason area.

Jesuit Tradition Signature GEP Course: PHL 154 Moral Foundations

A critical study of the various ways in which agents, actions, and social practices are evaluated from the moral point of view, as this has been articulated in major Western ethical theories. Tools for this study include an introduction to philosophical reasoning, and concepts basic to the moral point of view, such as rights, duties, virtue and character. Theories studied include but are not limited to Consequentialism, Deontologism, and Natural Law. This course is a prerequisite for any Ethics Intensive course as well as for the required course in the Philosophical Anthropology area.

Variable GEP Course: PHL NNN: Philosophical Anthropology

The requirement of a course in Philosophical Anthropology reflects the conviction that humans are beings who seek to explain to themselves who they are. To paraphrase St. Augustine, if no one asks me what a human being is, I know; if I want to explain it to a questioner, I do not know. The self-knowledge required to meet the challenge posed by Augustine’s questioner may be achieved by courses satisfying one or more of three criteria: the metaphysics of the person, individual and society, and the meaning of life. The possession of this self-knowledge is a prerequisite for achieving the Ignatian ideal of cura personalis, care that is fitting for a human being in particular.

Professor: James W. Boettcher, Ph.D.; Joseph Corabi, Ph.D.; Joseph J. Godfrey, S.J., Ph.D.; Vincent A. McCarthy, Ph.D.
Assistant: Eric Weislogel, Ph.D.; Ginger A. Hoffman, Ph.D.; Julie M. McDonald, Ph.D.; Patrick Casey, Ph.D.
Visiting: Eric Hoffman, Ph.D., J.D.

Visiting-Online: Brice R. Wachterhauser, Ph.D.
Chair: McDonald

Undergraduate Major

• Philosophy (p. 385)

Undergraduate Minor

• Philosophy (p. 387)

PHL 101 Human Person (3 credits)

PHL 150 First Year Seminar (3 credits)

Various first-year seminars are offered each year by philosophy faculty. Attributes: First-Year Seminar, Undergraduate

PHL 154 Moral Foundations (3 credits)

A critical study of the various ways in which agents, actions, and social practices are evaluated from the moral point of view, as this has been articulated in major Western ethical theories. Tools for this study include an introduction to philosophical reasoning and concepts basic to the moral point of view, such as rights, duties, virtue and character. Theories studied include but are not limited to Consequentialism, Deontologism, and Natural Law. Satisfies the GEP Jesuit tradition course requirement. Attributes: Signature Course (New GEP), Undergraduate

PHL 170 Special Topics in Philo (3 credits)

PHL 201 Knowledge and Existence (3 credits)

Three basic problems concerning reality and the quest to know reality: 1) the origin, validity, and limits of human knowledge; 2) Graeco-Christian, modern, and contemporary approaches to being and causality; and 3) the problem of God. Does not satisfy the GEP variable course requirement in the Philosophical Anthropology area. Prerequisites: PHL 1031 or PHL 1035 or PHL 154 Attributes: Undergraduate

PHL 220 Logic (3 credits)

A study of the logic of ordinary language: the functions of language, forms of argument, fallacies, definition; analysis of propositions and deductive reasoning; inductive reasoning, analogy and scientific hypothesis testing. An introduction to symbolic logic is provided. Techniques are developed for translating arguments in ordinary language into a canonical language that highlights their logical form. The predicate and propositional calculi are used to establish the validity of simple arguments. Does not fulfill the philosophy GEP. Prerequisites: PHL 1031 or PHL 1035 or PHL 154 Attributes: Undergraduate

PHL 240 Symbolic Logic (3 credits)

The study of the semantic and syntactic properties of propositional and predicate logics- natural deduction systems of the first order. Some results in meta-logic (such as the soundness and completeness proofs for particular systems) may be addressed, and attention may also be paid to the properties of axiomatic deductive systems in contrast to systems of natural deduction. The usefulness of formal systems for studying the property of validity in natural language arguments will also be addressed, in part by learning techniques for “translating” arguments from one language to the other. Does not fulfill the philosophy GEP. Prerequisites: PHL 1031 or PHL 1035 or PHL 154 Attributes: Undergraduate
**PHL 250 Philosophy of Death (3 credits)**
A study of the reality of death as the boundary of human experience. The course explores the meaning of death and its relationship to the meaning of life, examines evidence for and against the thesis that death is the end of human existence, and considers implications for selected contemporary issues (e.g., death with dignity, medical definition of death). This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 1031 or PHL 1035 or PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Undergraduate

**PHL 252 Philosophy of Karl Marx (3 credits)**
An analysis and evaluation of the early writings of Karl Marx. Topics to be stressed include the metaphysical roots of Marx’s concept of human beings, the causes and effects of alienation, economic determinism, and the rise of philosophical communism. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 1031 or PHL 1035 or PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Undergraduate

**PHL 253 Hume, Darwin, Marx, and Freud (3 credits)**
This course takes up four giant thinkers – Hume, Darwin, Marx, and Freud – men who changed their respective fields in radical ways. David Hume provided a bold philosophy of human understanding based on the empirical method of investigation. A century later Charles Darwin used the empirical method to develop his theory of evolution via natural selection, which revolutionized knowledge of human origins and the relatedness of all species. Karl Marx used empiricism to reconcile human history in economic terms and to predict a social revolution in class structure. Sigmund Freud applied empirical investigation to neurological problems resulting in the discoveries of psychoanalysis. We will ask, how do each figure overturn the knowledge tradition of his time to redescribe human functioning? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Undergraduate

**PHL 254 Phil & the Democratic Body (3 credits)**
For centuries philosophers have tried to understand what it means to be human by analyzing various aspects of the human condition. Unfortunately, the fact that we are embodied beings has not yet received adequate treatment. This course is an attempt to correct many years of philosophical avoidance of the body. We will not begin our inquiry with the assumption that human consciousness is just a given and is the same in all human beings. Rather, we will begin with an analysis of various forms of embodiment and consciousness as affected by the types of bodies that we have and social attitudes towards these bodies. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Undergraduate

**PHL 255 Hume, Darwin, Marx, and Freud (3 credits)**
This discussion will center on careful textual study of primary sources in philosophy/theology that deal with the analysis of human “fallenness” and self-recovery. A key element that will emerge is the role of the will: not just the theoretical freedom of the will, but the necessity to make a specific act of the will, namely to will to be one’s authentic self. Focus on works of Augustine, Kierkegaard, and Heidegger. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Undergraduate Level 3, Undergraduate

**PHL 256 Freedom and Determinism (3 credits)**
A metaphysical and epistemological analysis and evaluation of the various philosophical positions on the determinism-free will issue. Various kinds of determinism (hard, soft, theological, etc.) will be critically examined, and various ways of arguing in support of free-will (from choice, deliberation, remorse, etc.) will be assessed. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 1031 or PHL 1035 or PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Undergraduate

**PHL 257 Philosophy and Liberation (3 credits)**
What do we mean by “liberation”? Liberation from what? Liberation for what? What role does philosophy play in the quest for liberation? This course will explore the meaning of liberation in a variety of contexts (biological, psychological, economic, political, spiritual), paying special attention to what it might mean for students and the university. In particular, we will be looking for those places where the philosophical, the political, and the spiritual intersect in the event of liberation. Emphasis will be on Latin American philosophies and theologies of liberation, focusing on the thought of Xavier Zubiri, Ignacio Ellacuria, and Enrique Dussel. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 154

**Attributes:** Philosoph Anthropol (New GEP)

**PHL 258 The Authentic Self (3 credits)**
This course will center on careful textual study of primary sources in philosophy/theology that deal with the analysis of human “fallenness” and self-recovery. A key element that will emerge is the role of the will: not just the theoretical freedom of the will, but the necessity to make a specific act of the will, namely to will to be one’s authentic self. Focus on works of Augustine, Kierkegaard, and Heidegger. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Philosophy Level 3, Undergraduate

**PHL 259 Philosophy of Human Nature (3 credits)**
In this course we shall inquire into the nature of human beings by reading and discussing major philosophical texts from the western intellectual tradition along with essays written by contemporary philosophers. In particular, we shall explore such topics as the nature of human rationality, knowledge and belief, immortality, virtue, free will, self-deception, the mind-body problem, and physicalism vs. dualism with respect to human persons. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 154

**Attributes:** Philosoph Anthropol (New GEP), Undergraduate

**PHL 262 Freedom, Citizenship, Culture (3 credits)**
This course will survey recent trends in political philosophy with special attention to competing conceptions of political freedom, civic identity and responsibility, and the political significance of community and cultural diversity. Does our political freedom depend primarily upon securing the negative liberties celebrated in the classical liberal tradition? Does it also require adequate social rights, democratic self-determination and/or active and ongoing participation in the political process? How should claims of freedom be balanced alongside the need to promote the common good, political solidarity and unity, and a sense of common belonging? How should the demands of citizenship be weighed against commitments arising from membership in sub-state cultural groups and other forms of human community? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

**Prerequisites:** PHL 154

**Attributes:** Ethics Intensive (New GEP), Philosoph Anthropol (New GEP), Undergraduate
PHL 264 Topics in Moral Psychology (3 credits)
This course will explore human moral judgment, decision making, and behavior. Included are examinations of issues about whether the psychological processes involved in human moral practice are innate, about the respective roles of emotion and reasoning in moral judgment, and about the extent to which cultural forces shape our moral beliefs. Following the lead of much of the field in recent years, our focus will be primarily on working out the philosophical implications of recent scientific investigation on the topics. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 266 Rel. & Phil in Amer. Identity (3 credits)
From the founding of the American nation under the influence of Puritanism to the rise of Transcendentalism in the nineteenth century, philosophic and religious propositions have decisively shaped the American character. This course examines several important episodes in American thought in order to determine what makes Americans different from other sorts of people, what habits of thought inform their decisions, and what principles govern their understanding of the relation between religion and public life. This course typically involves making two off-campus visits to historical sites in Philadelphia. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 268 The Self: East and West (3 credits)
Philosophers East and West, ancient and modern, have struggled with the question: What does it mean to be a Self? What does it mean to be genuinely myself in the world in which I find myself? And what are important erroneous as well as “accurate” ideas that have practical consequences in the experience of myself? The course is intended to be an introduction to, and survey of, four philosophical notions of the Self, from East and West, from antiquity to recent times: Buddhism, Confucianism, Stoicism and Existentialism. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 269 Plato & Waking Life: on Being (3 credits)
In 399 B.C., Socrates famously said, “The unexamined life is not worth living.” He made that statement in Plato's work The Apology. In addition to The Apology, we will read Plato’s Republic, where Plato presents his idea of the best possible state, both internally and externally. In the second half of the course we will start by watching a 2002 animated film, Waking Life, by the contemporary director Richard Linklater. We will delve into further topics that present and question modes of conscious being. All the materials of the course are connected with each other via the metaphysical notion of conscious existence and the degree to which it provides access to reality. A question to consider in both parts of the course: Is it possible to grasp reality through self-examination? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Attributes: Philosoph Anthropol (New GEP)

PHL 270 Special Topics in Philosophy (3 credits)

PHL 272 Human Intelligence (3 credits)
There are few things in the modern developed world that get as much attention as human intelligence. Yet, for all the attention that intelligence receives, most people have thought surprisingly little about it: What is intelligence? Can it be learned? Is it possible for us to measure intelligence, and if so how? This course will examine these issues in depth, consider empirical findings, and explore philosophical issues that these findings and a variety of everyday practices surrounding intelligence raise. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 274 From Athens to Philadelphia (3 credits)
This course investigates how a city like Philadelphia was built and to consider how a city can be built justly. This involves inquiring into the nature of cities and city life in the United States and attempting to formulate criteria for a just city. Attention will be given to topics of urban planning, to philosophical theories of justice, and to the Great Migration, the movement in the 20th century of African-Americans from the rural south into cities of the northern states. Students will be required to make several trips into Center City in Philadelphia as part of this course. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Philosoph Anthropol (New GEP)

PHL 276 Philosophy of Cornel West (3 credits)
While much attention has been given to King as an activist, little has been written about his philosophical development and the further implications of his philosophical positions. Much of what King preached, wrote, taught, believed, and lived has its origin in his engagement with philosophy. In his writings one can see him struggle with such thinkers as Marx, Hegel, Kant, Nietzsche and others as he attempts to make sense of and transform the human condition. King's struggle against the dehumanization of African Americans and the poor often led him to an interesting synthesis of theology and philosophy. For this reason we must also address the philosophical and emancipatory aspects of the works of Paul Tillich, Reinhold Niebuhr, Howard Thurman, and Walter Rauschenbusch. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

PHL 278 Philosophy of MLK (3 credits)
While much attention has been given to King as an activist, little has been written about his philosophical development and the further implications of his philosophical positions. Much of what King preached, wrote, taught, believed, and lived has its origin in his engagement with philosophy. In his writings one can see him struggle with such thinkers as Marx, Hegel, Kant, Nietzsche and others as he attempts to make sense of and transform the human condition. King's struggle against the dehumanization of African Americans and the poor often led him to an interesting synthesis of theology and philosophy. For this reason we must also address the philosophical and emancipatory aspects of the works of Paul Tillich, Reinhold Niebuhr, Howard Thurman, and Walter Rauschenbusch. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
PHL 280 Life and Death (3 credits)
The focus of the course is primarily metaphysical. The course begins with an examination of what it means to be alive. Historically, this is a question that has had philosophical and scientific roots, and we will examine both. Early ideas about life included the view of life as breath, a view that persists etymologically in words such as “spirit”. We will survey these ideas leading up to Enlightenment debates between vitalism and mechanism. After completing this survey, we will consider what is meant by a life, as a process extended in time. This leads directly to a consideration of human life, and the life of a person. In the death part of the course, we will deal with some fairly standard issues, including the Harm Thesis, and the question of whether it is ever or always rational to fear (or at least want to avoid) death. In addition, conceptions of the afterlife will be considered, in light of points previously made concerning the nature of a life in general. The conditions that would make for a meaningful afterlife will be considered in light of the question of what makes for a meaningful life in the first place. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 282 People, Animals, and Ethics (3 credits)
This course will evaluate the ethical issue of whether humans have a moral obligation to protect the rights and welfare of nonhuman animals. Determining this will require a philosophical exploration of whether nonhuman animals have any rights in the first place and, if so, what these are. The course will also explore the nature and origin of ethics in human societies (including the possibility that precursors to ethical behavior can be found in some animal groups), and thereby raise the question of whether human moral practices constitute a radical departure from so-called natural behaviors. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 284 Phil & Personal Relationships (3 credits)
This course is a philosophical exploration of relationships between individuals, particularly friendship and love, but including sex, marriage, and family, as well as any other ways in which individuals relate. Building on theories of philosophers and other social scientists, this course may consider, for example, what makes personal relationships valuable, how personal life relates to social context, how personal relationships like love and friendship have changed over time, how gender, race, age and other differences figure in personal relationships. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 286 Philosophy of Mental Illness (3 credits)
This course will explore philosophical questions at the heart of the fields of psychiatry, clinical psychology, and other mental health professions. Broadly, we will identify and critically evaluate assumptions that underlie labeling and treating certain individuals as “insane”/“mentally ill.”/mentally disordered.” We will use conceptual tools within the philosophy of mind, philosophy of science, philosophy of medicine, and moral philosophy to consider questions such as: What is insanity? Is it a disease or illness, “just like diabetes”? What is a disease in the first place? How do we define a “good” or “healthy” human life? What are the ethical implications of labeling people as mentally disordered? Might so-called mental disorders be better described as forms of “neurodiversity,” to be celebrated instead of cured? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 288 Minds & Souls (3 credits)
This course surveys both the main issues and theories in contemporary philosophy of mind as well as traditional and contemporary conceptions of the soul. It philosophically examines the difference between these distinct approaches, and will inquire: Why have soul theories been largely eclipsed by other approaches until relatively recently? Why are a few philosophers taking another look at soul theories? How do broader worldview considerations inform the debates? The topic of “singularity” will also be covered. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Attributes: Philosoph Anthropol (New GEP)

PHL 292 People, Animals, and Language (3 credits)
Modern humans emerged about a hundred thousand years ago, which is only an instant in the several-billion-year history of life on earth. Yet, in that short time we became the dominant species and radically changed the natural order. One proposed answer to the question of how humans rose to prominence so rapidly and decisively is the faculty of language. But what is the origin of this faculty? Darwin’s 1871 book The Descent of Man argues that humans descended from other species not only biologically but also psychologically. That is, all of the mental abilities thought to make our species special—consciousness, cognition, emotion, morality, and language—evolved. These abilities did not come on the scene suddenly with the appearance of Homo sapiens but instead existed in varying degrees in our nonhuman and prehuman ancestors. Following Darwin’s lead in looking for the origin of language in animal communication including gestures, singing, and calls, researchers have continued to explore these links. In our course, we will start by examining the general connections between the minds of nonhuman species and humans, and then we will focus on the evolution and importance of human language. Readings include several chapters from Darwin’s Descent of Man; Sapiens: A Brief History of Humankind by Yuval Noah Harari; Kanzi: The Ape at the Brink of the Human Mind by Sue Savage-Rumbaugh; and The First Word: The Search for the Origin of Language, by Christine Kenneally.
Attributes: Undergraduate
PHL 302 Philosophy of Race (3 credits)
Race plays a prominent role in our social existence, even in what some have called a “post-racial society,” and has for centuries. In this course, we will take a philosophical approach to understanding a set of related questions about race. What is the origin and basis for racial concepts? Is race socially constructed, or does it have a biological basis? Does racial discourse serve to further entrench racial divisions? How does racial oppression relate to other forms of oppression such as class- and gender-based oppression? What is “privilege”? What could it mean to say that a person has moral obligations deriving from harms which s/he has not personally brought about, and do persons ever have such obligations? We will also investigate issues such as affirmative action, racial solidarity, and the ways in which racial oppression differentially affects men and women. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Africana Studies Course, Diversity Course (New GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 304 African Philosophy (3 credits)
Introduction to African philosophical approaches to: the problems of God, causality and chance, freedom, fate and destiny, the concepts of spirit, the philosophical wisdom of the African proverbs and the implications of Africa’s history for philosophy, with applications to Western thought. Selected Readings from modern African novels, essays in anthropology, traditional philosophical, religious and literary texts, and essays by contemporary African philosophers.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Africana Studies Course, Undergraduate

PHL 306 Indian Philosophy (3 credits)

PHL 308 Asian Philosophies (3 credits)
This course will examine the concepts of self, nature, and society in the Asian philosophical paradigms as they have been articulated in the philosophy of India, China and Japan, and contemporary Asian Philosophies.
Prerequisites: PHL 154
Attributes: Asian Studies Course, Non-Western Studies (GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 310 Philosophy of Art (3 credits)
An examination of the philosophical questions arising from the human activity of creating and appreciating art (of all kinds: visual, musical, literary, etc.). Questions can include: the relation of perception and aesthetic appreciation to knowledge; the relation between emotion and belief; the relation between artist/creator, audience/spectator, and art work. How is art distinguished from nature as possible object of aesthetic appreciation? Must art even be aesthetic? If not, how is the category ‘art’ defined, and by whom?
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 311 Philosophy of Law (3 credits)
Philosophy of Law examines some of the philosophical questions raised by law and legal systems, such as the nature and limits of law, the relation between law and morality, the challenges in applying the principles of constitutional, contract, criminal and tort law, and specific issues such as civil disobedience, equality and liberty, rights and responsibility, and punishment and excuses.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 314 Topics in Phil & Medicine (3 credits)
This course examines critical philosophical questions that arise from the practice of medicine and medical research. Central topics include: confidentiality; informed consent; research on humans and non-human animals; stem cell and genetic research; reproductive and end-of-life issues; and the just distribution of health care resources. May be taken to satisfy the Ethics Intensive course requirement.
Prerequisites: PHL 154
Attributes: Undergraduate

PHL 316 Food and Justice (3 credits)
It’s indisputable that there are complex moral issues related to food: How should we respond to the problems of global hunger in the 21st. century? How should we respond to the fact that millions of children and adults on our planet are severely malnourished, if not facing starvation? Are our current means of food production sustainable? And do they threaten the health and well-being of future generations? What moral challenges are raised by the use of biotechnology in food production and processing? How can we provide safe, acceptable, nutritious food for all persons in such a way that is respectful to the welfare of all sentient beings? May be taken to satisfy the Ethics Intensive course requirement.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 318 Psycholinguistics (3 credits)
This course is an introduction to the study of how language is represented in the human mind and what processes are involved in language use, including producing, comprehending, and storing both spoken and written language. Together, we will explore questions such as the following: How do humans store and recognize words? How do we analyze speech? What processes are involved when we speak and read? We will study spontaneously-occurring speech errors and misperceptions and carry out experimental investigations on language production and comprehension. This course is open to students from all academic majors and there is no prerequisite.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 320 Business, Society, and Ethics (3 credits)
This course will discuss ethical issues in the practice of business. Topics will typically include ethical issues in marketing, finance, human resources, the environment, product liability, global sales and labor practices, etc. The course will address these issues in business practice through the lenses of traditional ethical theories. May be taken to satisfy the Ethics Intensive course requirements.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 322 Philosophy of Science (3 credits)
Methodological problems of observation, discovery, testing; the realistic import of models and theoretical entities; the use of paradigms in science; revolutionary periods in science; the relationship between science and philosophy; scientific determinism; science and human values.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
PHL 324 Philosophy of Social Sciences (3 credits)

This course will investigate a variety of philosophical issues surrounding sports. The main focus will be on ethical topics such as the use of performance enhancing drugs, the appropriateness of institutions surrounding college athletics, and the use of government funds to subsidize stadiums and arenas for professional sports franchises. These issues will be investigated by employing common methods in moral philosophy, informed by empirical research in economics and a variety of other scientific disciplines.

Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP)

PHL 326 Philosophy of Sports (3 credits)

This course will examine in light of the classic texts. Social Teaching. Contemporary issues of the working poor and economic justice is a virtue necessary for all societies and communities. But what God calls individuals and communities to be just. Philosophers argue that PHL 332 Economic and Social Philosophy (3 credits)

Undergraduate

Attributes:

Prerequisites: PHL 154

PHL 328 Philosophy and Evolution (3 credits)

After examining the theory of evolution via natural selection, the course will cover two important philosophical debates provoked by Darwin’s theory. First, by situating human beings within a purely natural context, evolutionary theory aroused the wrath of theologians, who looked to God as the source of creation of both man and nature. An important part of the argument is over teleology, the ancient theory that everything in nature has a purpose, and the course takes up the teleological argument for the existence of God and the Darwinian refutation of it. This issue leads to considering the role of religion in a post-Darwinian world.

Second, by situating human beings within a purely natural context, Darwin’s theory called into question the specialness of humans in relation to animals. The debate here is whether nonhuman animals can be considered to possess cognition, language, and morality, or whether humans alone have these abilities.

Prerequisites: PHL 154 or PHL 1031 or PHL 1033
Attributes: Philosoph Anthropol (New GEP)

PHL 330 Social and Political Phil (3 credits)

This course serves as an introduction to major works in the history of social and political philosophy. With a survey of important figures and texts from pre-modern, modern and contemporary periods, the course will address basic philosophical questions about the individual, society and the political order. These questions include: In what sense is the political order a community? What is the philosophical basis and justification of law and political authority? What are the social and political implications of a commitment to human freedom and equality? What is justice? What are the necessary social conditions for realizing freedom, justice and human flourishing?

Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 332 Economic and Social Philosophy (3 credits)

God calls individuals and communities to be just. Philosophers argue that justice is a virtue necessary for all societies and communities. But what does justice, especially social justice, mean? The concept has a history which this course will examine by a careful reading of classic texts of Old Testament, New Testament, Aristotle, Aquinas, Locke, Marx, and Catholic Social Teaching. Contemporary issues of the working poor and economic globalization will be examined in light of the classic texts.

Prerequisites: PHL 1031 or PHL 1035 or PHL 154

PHL 334 Ethics and Criminal Justice (3 credits)

This course will address ethical issues in the criminal justice system at both the theoretical and applied levels. Typical theoretical issues addressed might include the following: the relationship between law and morality; theories of punishment; conditions for the moral and/or legal responsibility of individuals; notions of procedural justice. Typical applied ethics issues might include the following: limits on the police use of deception and of deadly force; search and seizure rules; plea bargaining; mitigation and excuse defenses (e.g. insanity); mandatory sentencing, especially life without parole; capital punishment.

Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP)

PHL 336 Violence and Non-Violence (3 credits)

This course will focus on two levels: philosophical reflection on the moral dimensions of violence and nonviolence in general, and analysis of some specific moral issues concerning the resort to violence. Issues include the morality of war, especially under current conditions, and criminal punishment. Theories of nonviolence, and practical alternatives to violence, will be examined.

Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 338 Vio & Recncilin in N. Irelnd (3 credits)

The course will examine violence and reconciliation in Northern Ireland from both a philosophical and sociological perspective. The instructors will pay special attention to both the socio-historical roots of “The Troubles” and the moral context of discourses of retribution and forgiveness. During the stay in Northern Ireland, SJU students are guests of Corrymeela, an ecumenical community committed to the work of reconciliation by providing a “safe and shared space” where people can meet as Protestants and Catholics, British and Irish, rich and poor, and through open dialogue and interaction grow in trust with one another.

Students, during the second week of the stay, will be expected to live with a family in Belfast and work at a cross-cultural community site.

Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 340 Topics in Political Philosophy (3 credits)

This course will examine recent developments and debates in social and political philosophy. The emphasis of the course will be on contemporary discussions of a problem or set of problems, though some attention may be paid to the treatment of these problems in the history of philosophy. Topics to be examined might include political legitimacy, human rights, private property and distributive justice, just and unjust war, cosmopolitanism and patriotism, global justice, social unity and solidarity, toleration, multiculturalism, and the role of religion in politics.

Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 342 Dimensions of Freedom (3 credits)

Political philosopher Hannah Arendt claims that the ability to forgive and the ability to make and keep promises are at the center of human freedom, the capacity to interrupt automatic processes and begin something new. The experience of imprisonment will be an important focus of class discussion, and a starting point to examine multiple dimensions of human freedom. These include: negative vs. positive freedom; freedom of action vs. inner freedom (thought, imagination, will); political freedom vs. political oppression; the extent to which freedom in any of these senses is a good, worthy of the value we tend to give it. For each dimension, we will also ask what inner and/or external conditions limit or even preclude its exercise.

Prerequisites: PHL 154 or PHL 1031 or PHL 1033
Attributes: Philosoph Anthropol (New GEP)
PHL 350 God in Recent Philosophy (3 credits)
The course examines three different conceptions of God: [1] Popular Theism: God conceived as similar to a human person — though incorporeal, unobservable, and possessed with superhuman attributes. This is the view of God held by most traditional theists. [2] Perfect Existence Theism: in which God is not a being of any kind, not even a personal being, even though personal language can be used in speaking of God. This is the view of God espoused by Thomas Aquinas; and [3] Panentheism: God conceived as inclusive of rather than independent of the world; the relation between God and the world being like the relation between the mind and its body. This view has been defended by Charles Hartshorne. In the case of each form of theism, questions arise as to how it deals with the problem of evil: how its view of God squares with the fact that the world contains vast amounts of moral and physical evil. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 351 Reason, Faith, and Relativism (3 credits)
Intelligent, sincere, and equally well-informed people often strongly disagree. This seems especially true when it comes to religious beliefs. In that context, people will often appeal to "faith," which some construe as belief without good reason. It is therefore important to ask what counts as good reason for holding a belief, and whether all beliefs are subject to the same standard. If two individuals hold contradictory beliefs, then certainly one of them is wrong, but might both be justified in holding those beliefs? If so, does this imply that truth is relative? This course deals with the general topic of rational belief formation in a world that is religiously, ideologically, and culturally diverse. Satisfies Signature core course requirement in Faith and Reason.
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 352 Kierkegaard, Nietzsche, Dostoevsky (3 credits)
Against the backdrop of classical metaphysics and human rationality, the sources and early development of existential themes are developed. Selected readings from Kierkegaard (Either/Or, Fear and Trembling), Nietzsche, (Thus Spoke Zarathustra, Beyond Good and Evil), and Dostoevsky (Notes from the Underground). Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 353 Phil, Science, and Religion (3 credits)
A consideration of important issues in philosophy and philosophy of religion within the historicizing context of the scientific world-view of the times. Simultaneously, the course will consider the implications of the current (and changing) scientific world-view (genetics, astronomy, physics) for philosophical and religious reflection, including the idea of God. Philosophically as well as scientifically, the course will take its point of departure in Darwin and come back to consider the radical implications for philosophy and religion prophetically seen by his contemporary Nietzsche. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 354 Philosophy of Religion (3 credits)
Philosophical analysis of some of the following topics: religious experience, testimony, belief, human destiny, evil, knowledge of and language and arguments about God. Readings from classical and contemporary sources. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 355 Phil Iss in Christian Doctrine (3 credits)
This course will investigate the coherence and plausibility of some of the most central teachings of Christianity. A sampling of potential topics includes: heaven and hell, the Trinity, Original Sin, the Atonement, and the Incarnation. There will also be a discussion of different methods of deciding when a teaching is essential to Christianity, and an exploration of various alternative interpretations of the doctrines. Satisfies Signature core course requirement in Faith and Reason.
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 356 Religious Diversity (3 credits)
Religious diversity is an inescapable fact. It is hard to imagine anyone’s thinking his or her religion (should be or she have one) to be the only one that exists or the only one capable of evincing commitment and devotion. The diversity of religions raises questions that are practical as well as theoretical. The fact of religious diversity has elicited various philosophical reactions, ranging from exclusivism, to relativism to inclusivism. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP), Honors Course, Undergraduate

PHL 357 Uses & Abs of Jesus in Modrnty (3 credits)
A representative survey of important 19th and 20th century philosophical and theological writings about Christianity and Jesus of Nazareth as Christ, with particular attention to the role of philosophy of religion and theology within modernity. The course will address a variety of statements and standards for articulating the meaning and identity of Jesus as Nazareth as: the Jesus as history, the Christ of faith, and the Christ-idea and archetype in Western tradition. And it will give special attention to the ways in which the texts chosen both reflect and transform the cultural, philosophical and religious contexts within which they appear. Satisfies Signature core course requirement in Faith and Reason.
Attributes: Faith-Reason Course (New GEP), Honors Course, Undergraduate

PHL 358 Atheism & Prob of God (3 credits)
After a study of the classical arguments concerning God’s existence, the course examines examples of 19th century atheism (Feuerbach, Marx, Nietzsche) and belief (Kierkegaard, Dostoevsky), and 20th century atheism (Sartre, Camus) and belief (Rahner, Marcel). Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 359 Existence of God (3 credits)
This course will focus on arguments for and against the existence of God. It will begin by examining the ontological, cosmological, and design arguments for the existence of God. Included will be a discussion of purported evidence for the existence of God from modern biology and cosmology. It will then examine arguments against the existence of God based on human and animal suffering, followed by arguments against the existence of God arising from the scarcity of credible miracle claims. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate
PHL 360 Philosophy of God in Aquinas (3 credits)
This course will examine the philosophical writings of Thomas Aquinas on the existence and nature of God. Topics include the procedure of philosophical theology, the methodological problem of attaining true knowledge of God, Aquinas’s “five ways” of demonstrating the existence of God, and arguments for the various “attributes” of God: simplicity, perfection, goodness, infinity, ubiquity, unchangeableness, eternity, and oneness. Aquinas’s innovative method of analogical predication will be employed to offer a philosophical interpretation of core theistic assertions that God has life and knowledge that God wills and loves, that God exercises providence both justly and mercifully, that God is all-powerful and perfect happiness. This course may be taken to satisfy the major requirement for a course in the ancient or medieval period. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 1031 or PHL 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 362 Faith & Reason in Kantian Phil (3 credits)
This course begins with an examination of two types of traditional arguments for the existence of God: those based on putative grounds of reason and those based on putative grounds of experience. The questionable success of such proofs will raise several questions: what is the nature of human reason, what is the nature of faith as a distinct epistemic attitude, and how should we think about the relation between them? We shall then pursue Kant’s systematic answers to these questions with the hope that they will give us a workable and empowering alternative to the arguments studied earlier in the course. Possible further topics for the course include (1) the possibility of understanding the history of arguments for God’s existence as a progressive development of reason’s awareness and articulation of its needs, and (2) the application of Kant’s analysis of reason to some fundamental claims and themes of the Christian religion in order to show how they can be understood as having a basis in reason. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP), Undergraduate, Writing Intensive Course- GEP

PHL 364 God, Evil and Hiddenness (3 credits)
This course will examine recent arguments against the existence of God based on the problem of evil and the problem of divine hiddenness. (The problem of evil is the problem of reconciling God’s existence with the presence and severity of suffering in the world, and the problem of divine hiddenness is the issue of understanding why God would provide so few clear and dramatic signs of his presence.) Although no prior mathematical knowledge will be presupposed, as part of the process of understanding the arguments students will also be expected to master some basics of probability theory. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP)

PHL 365 Christianity and Evidence (3 credits)
This course will investigate several topics surrounding Christianity and evidence. The course is divided into two sections. The first is an exploration of the question of whether we have good evidence for Christianity. Included in this first unit will be a discussion of both scriptural evidence and the evidence provided by purported miracles in the modern world. The second section will examine the relationship between belief and evidence, in an attempt to understand whether Christian belief (and religious belief more generally) should be based on evidence in the same way as many other kinds of beliefs. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP)

PHL 366 Violence and Non Violence (3 credits)

PHL 367 Postmodernism & Religious Faith (3 credits)

PHL 370 Special Topics in Philosophy (3 credits)

PHL 395 Junior Seminar (3 credits)

PHL 401 Ancient Philosophy (3 credits)
What is the nature of ultimate reality? What standards must our beliefs meet if they are to qualify as knowledge? Is the soul distinct from the body, and what sort of trait is virtue? These are among the most basic questions of philosophy, and they took shape originally in the ancient world of Greece and Rome. This class provides a critical survey of the questions and possible answers provided by the founders of the western philosophical tradition. Philosophers discussed include the Presocratics, Socrates, Plato, Aristotle, the Stoics.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ancient Studies Course, Undergraduate

PHL 402 Plato and Aristotle (3 credits)
A focused examination of the major ethical, metaphysical, and political theories of Plato and Aristotle. The class will cover the ideas of these two philosophers on such topics as the nature of virtue, the soul, change in the physical world, substance, the best political regime, and the relation between political activity and philosophy.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ancient Studies Course, Undergraduate

PHL 404 Love & Frndshp in Ancnt Wrld (3 credits)
This course explores a number of descriptions of love and friendship found in works of literature and philosophy from ancient Greece and Rome. Two topics in particular will be studied in these works on love and friendship. The first is the connection between friendship, justice, and politics that is asserted in a number of ancient works. The second is the presentation of erotic love as a form of divine madness that can be both dangerous and beneficial. Some authors to be read include Sophocles, Euripides, Plato, Aristotle, Cicero, and Catullus. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ancient Studies Course, Philosoph Anthropol (New GEP), Undergraduate
PHL 408 Augustine, Politics, Self (3 credits)
Fifteen centuries after his death, Augustine of Hippo (354-430) remains one of the most influential figures in the western philosophical tradition. As a philosopher and rhetorician who later became a Christian bishop, Augustine did a great deal of thinking and writing about social and political questions. What is the place of the individual in society? What does it mean to be a Christian and a citizen? How is politics related to the common good of society? How should we think about issues like justice, war, and peace? This course will examine these themes and others as they appear in two of Augustine’s major works, the Confessions and the City of God, as well as some shorter letters concerned with social and political questions. Coming to understand more fully the historical context of Augustine’s work will be one of the goals of the course, but no prior knowledge of his life and times is required. This course may be taken to satisfy the Philosophical Anthropology requirement of the GEP.
Prerequisites: PHL 154 or PHL 1031
Attributes: European Studies Course, Philosoph Anthropol (New GEP), Undergraduate

PHL 410 Medieval Philosophy (3 credits)
An introduction to medieval philosophy through a study of its most important thinkers (e.g., Augustine, Boethius, Anselm, Aquinas) and its central questions (e.g., the existence and nature of God, the problem of evil, the compatibility of human freedom and divine foreknowledge, the limitations of human reason, the immortality of the soul, happiness, virtue, natural law).
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 412 The Philosophy of Aquinas (3 credits)
A close examination of Thomas Aquinas’s writings on topics such as proofs for the existence of God, the nature of God, creation, providence, the relation of body and soul, immortality of the soul, human knowing, happiness, virtue, natural law.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 420 Early Modern Philosophy (3 credits)
A critical analysis of the rationalist and empiricist movements of the 17th and 18th centuries. Emphasis will be placed on the epistemological and metaphysical theories of the following thinkers: Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 422 Nietzsche, Wagner & 19th Century (3 credits)
This course provides a survey of the “critical tradition” in philosophy – a tradition seeking to ascertain the nature and limits of human reason in the hopes of moving toward social and cultural progress. The course will begin with the critical tradition’s roots in the thinkers of the French and German Enlightenments of the 18th century, continue with three of the Enlightenment’s major critics – Marx, Nietzsche, and Freud – and culminate in the critical social theories of the Frankfurt School and Michel Foucault in the 20th century. In the end, the course will consider the tenability of the Enlightenment project and its hopes for the future as well as the status of critical social theory today.
Prerequisites: PHL 154 or PHL 1031
Attributes: European Studies Course, Philosoph Anthropol (New GEP), Undergraduate

PHL 430 Philosophy of Kant (3 credits)
In this course we shall pursue a close study and critical assessment of Kant’s highly original theory of transcendental idealism as it is presented in his seminal work, the Critique of Pure Reason. Specific topics will include, but are not limited to, the nature of human reason, the nature of experience, the possibility of synthetic a priori knowledge, the relation between mind and world, the limits of human knowledge, transcendental idealism vs. transcendental realism, varieties of skepticism and responses to them, self-knowledge, the problem of free will, and philosophical method. We shall begin the course by sketching some of the problems that Kant inherited from early modern philosophy and to which he is responding.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 432 German Idealism (3 credits)
In this course we shall explore the views of the major thinkers of the German idealist period—namely, Kant, Fichte, Schelling, and Hegel—with respect to such topics as the nature of human reason, knowledge and the self, the relation between mind and world, the unconditioned, freedom and morality, the nature and role of art, God and religion, and reason in history. We shall begin the course by sketching the philosophical context and a set of problems that helped motivate the movement as a whole. Some attention may also be paid to some of the lesser-known figures of the period, such as Reinhold, Jacobi, and Maimon.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: European Studies Course, Undergraduate

PHL 434 Existentialism (3 credits)
A study of the Existentialist movement, from its 19th century origins in Kierkegaard and Nietzsche and the Phenomenology of Husserl to its most prominent 20th century representatives, including Heidegger, Jaspers, Sartre and Camus.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 436 French Existentialism (3 credits)
Using Kierkegaard’s famous analysis of desire as presented in Mozart operas as a point of departure, the course will survey the analysis and theories of desire in Western thought from Plato to Freud and contemporary psychoanalytic theory.
Prerequisites: PHL 154
Attributes: European Studies Course, Undergraduate

PHL 440 Phenomenology (3 credits)
A study of the philosophical background, methods, and results of the phenomenological movement in 20th century European thought. After examining a cluster of philosophical problems that gave rise to the movement, we shall focus mainly, though not exclusively, on the work of Husserl, Heidegger, and Sartre. In addition to our study of philosophical method, we shall explore phenomenological accounts of various matters such as consciousness, perception, hermeneutics, the existential nature of human beings, transcendence, self-deception, and otherness.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate
PHL 442 Nietzsche, Wagner, Cult of Genius (3 credits)
An examination of the in/famous new philosophical term "genius" in the 19th century, from its origins to its emergence as a philosophical category. What does it mean for a human being to be recognized as a genius? Or to aspire to be a genius? By the mid-19th century, the controversial musical genius Wagner was highly influenced in his work by the works of Schopenhauer. He in turn influenced Nietzsche who subsequently turned violently anti-Wagner and postulated the term "Übermensch", for a new kind of philosophical genius for the late 19th century.
Prerequisites: PHL 154
Attributes: Undergraduate

PHL 446 Feminist Epistemology (3 credits)
Feminist challenges to traditional ways of thinking in epistemology, philosophy of science, metaphysics, and ethics. Examination of feminist criticisms regarding: the nature and justification of knowledge; dominant conceptions of rationality and objectivity; various dualistic ontologies; and prevailing conceptions of the self. Consideration of possible gender-bias in traditional philosophical methods.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 450 American Philosophy (3 credits)
Philosophy in the American context: the "American experience", historical and contemporary; philosophical concerns that arise in that context; the classical American philosophers—Edwards, Peirce, James, Royce, Dewey, and Whitehead. Central concerns: the meaning of experience; scientific inquiry as a model of knowing; the meaning of religion and religious experience; the problems of value (moral and aesthetic); the problem of community.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 461 Contemporary Thomism (3 credits)
St. Thomas Aquinas, one of the greatest philosopher-theologians of the Middle Ages, employed both faith and reason to conceive a remarkably comprehensive and nuanced understanding of reality. Recently, some philosophers have been returning to the works of Aquinas and attempting to transpose his vision to meet the distinctive intellectual challenges of our own quite different age. After providing an introduction to Aquinas' thought, this course will examine in depth the writings of one or more contemporary Thomists (e.g., Bernard Lonergan, Jacques Maritain, Etienne Gilson, Karl Rahner, Pierre Rousselot, Joseph Marechal, Josef Pieper).
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 463 French Existentialism (3 credits)
PHL 470 Special Topics in Philosophy (3 credits)

PHL 471 Problems in the Theory of Know (3 credits)
A critical examination of key problems in contemporary epistemology. Problems relating to the analysis of knowledge and justification will be examined. Topics may include: knowledge and warrant; knowledge closure; skepticism of various forms; foundationalism, coherentism, reliabilism, contextualism; virtue epistemology; internalism and externalism; the role of formal (probabilistic) models in epistemology.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 473 Philosophy of Mind (3 credits)
A critical examination of metaphysical and epistemological issues in the contemporary philosophy of mind. These issues include the problem of reductionism, the problems of intentionality and mental representation, personal identity, conceptual foundations of psychology, and the possibility of artificial minds.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 474 Language and Thought (3 credits)
Rene Descartes held a view called "mind-body dualism," according to which human persons are fundamentally thinking substances that are somehow causally linked to particular physical substances: bodies. One of his reasons for holding this view was that he believed that the human faculty of language could never, even in principle, be adequately explained by any purely physical description of things. Language, as he saw it, is evidence of mind, and indeed he believed that where language is absent, mind is also absent. Creatures without language are, in Descartes’ view, mindless organic automata. Few today would defend Descartes’ view in all details, but the general sense that language is an important “mark of the mental” has not gone away. Instead, it has given rise to a cluster of narrower but interesting and important questions: Are certain kinds of mental states impossible without language? Does the specific language that we speak influence our thoughts in some way? Do our innate tendencies of thought force our languages to take certain forms?
Prerequisites: PHL 154
Attributes: Undergraduate

PHL 475 Language and Meaning (3 credits)
This course examines the core issues in the philosophy of language, including the nature of meaning, problems of reference, and the relation between language and thought. Further issues include the status of propositions, the problem of whether linguistic competence implies innate knowledge of some sort, the nature of metaphor, the private language problem, the indeterminacy of translation and language as symbolic capital.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 476 The Work of Daniel Dennett (3 credits)
Daniel Dennett is one of the most influential living philosophers. A protegé of Gilbert Ryle, Dennett has had an impact that goes beyond the disciplinary boundaries of philosophy, making him one of the few contemporary philosophers whose name and work are well known to the general educated public. The heart of Dennett's work is in the philosophy of mind, where he defends an eliminative version of functionalism, arguing that many terms that philosophers argue with, and about, have little or no meaning. Such terms include "consciousness," "qualia," and "mental representation." In addition, Dennett has tried to show how his specifically philosophical views on the mind can shed light on questions in comparative psychology, ethology, and other sciences. He has also written a well-received book on Darwinism, arguing that Darwinian theory is a "universal acid" that, correctly understood, dissolves many longstanding problems and superstitions. This course will survey Dennett's body of work, and the responses of his critics, on a wide range of topics.
Prerequisites: PHL 154
Attributes: Undergraduate
Objective 1.2: Students will be able to evaluate the premises of arguments

Goal 2: Students will demonstrate knowledge of logic (at a level appropriate for undergraduate majors)

Objective 2.1: Students will recognize basic deductive and inductive argument forms as well as different types of informal fallacies

Objective 2.2: Students will be able to apply basic logical concepts, such as validity and soundness and strength and cogency, in their evaluation of arguments

Goal 3: Students will gain an appreciation for the history of philosophy, including major figures and texts

Objective 3.1: Students will be able to explain (in writing, or through oral communication, or on examinations) some of the main ideas, problems, theories, methodologies, or schools of thought from the ancient or medieval periods of Western philosophy

Objective 3.2: Students should be able to explain (in writing, or through oral communication, or on examinations) some of the ideas, problems, theories, methodologies, or schools of thought from the modern or contemporary periods of Western philosophy

Goal 4: Students will display, at a level appropriate for undergraduate majors, the skills required for engaging in philosophy as a specialized academic discipline

Objective 4.1: Students will successfully complete an advanced, seminar-style class which features the construction and evaluation of arguments for specific philosophic positions and a focused examination of a particular philosophical problem(s), area, or text

Objective 4.2: Students will complete a final paper or research project, typically in the context of completing an advanced, seminar-style class

Philosophy majors have the option of pursuing one of five tracks:

1. History of Philosophy;
2. Social-Political/Philosophy of Law;
3. Mind, Language, Science;
4. Philosophy of Religion; and
5. Arts and Humanities

Major concentration requirements are the same for all five tracks, though the integrated learning requirements (ILC) will vary from track to track.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses...
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>XXX NNN: Faith and Reason Course Area</td>
<td>XXX 150: First Year Seminar</td>
<td></td>
</tr>
</tbody>
</table>

### General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>THE NNN: Religious Difference</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHL NNN: Philosophical Anthropology</td>
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<tr>
<td>MAT NNN: Mathematics - Beauty</td>
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<tr>
<td>Non-Native Language (0-2 courses)</td>
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<tr>
<td>Natural Science (One four-credit lab course or two three-credit non-lab courses)</td>
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<tr>
<td>Social/Behavioral Science</td>
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<tr>
<td>Fine Arts/Literature</td>
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</tbody>
</table>

### General Education Overlays

See this page about Overlays (p. 27).

- Writing Intensive
- Ethics Intensive
- Diversity/Globalization/Non-Western

### Electives

14-18 courses

### General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

GEP Faith and Reason (if taken in Philosophy) or PHL elective Course

### Major Concentration Requirements

8 courses

1. Logic or Symbolic Logic
2. History course: Ancient/Pre-Modern
3. History course: Modern/Contemporary
4. PHL elective course
5. PHL elective course
6. NON-GEP PHL elective
7. PHL 495 Senior Seminar or PHL 395 Junior Seminar
8. CHOOSE ONE BELOW:

### History of Philosophy Track

Select three of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 315</td>
<td>The Glory that was Greece</td>
<td>9</td>
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</tbody>
</table>
### Arts and Humanities Track

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>I. Honors Courses</td>
<td>9</td>
</tr>
<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
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<tr>
<td>LTT 461</td>
<td>Franco-Afro-Caribbean Story</td>
<td></td>
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<tr>
<td>THE 326</td>
<td>Letters of Paul</td>
<td></td>
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<tr>
<td>THE 333</td>
<td>Knowl &amp; Love of God - Mid Ages</td>
<td></td>
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<tr>
<td>THE 359</td>
<td>Religion, Violence &amp; Terrorism</td>
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<tr>
<td>THE 370</td>
<td>Special Topics in Theology</td>
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<td></td>
<td>II. Art/Music/Film Courses</td>
<td></td>
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<tr>
<td>MTF 151</td>
<td>Music Fundamentals</td>
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</tr>
<tr>
<td>MTF 157</td>
<td>Western Music Hist: MidAge-1750</td>
<td></td>
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<tr>
<td>MTF 158</td>
<td>Western Music: 1750 to Present</td>
<td></td>
</tr>
<tr>
<td>MTF 251</td>
<td>Music Theory I</td>
<td></td>
</tr>
<tr>
<td>MTF 258</td>
<td>Major Composers</td>
<td></td>
</tr>
<tr>
<td>ART 101</td>
<td>Intro to Art History I</td>
<td></td>
</tr>
<tr>
<td>ART 102</td>
<td>Art History Survey II</td>
<td></td>
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<tr>
<td>ART 103</td>
<td>Non Western Art &amp; Architecture</td>
<td></td>
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<tr>
<td>ART 104</td>
<td>The Experience of Architecture</td>
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<tr>
<td>ART 105</td>
<td>Arts of East Asia</td>
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<tr>
<td>ART 106</td>
<td>Art of Colonial Latin America</td>
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<tr>
<td>ART 107</td>
<td>Women, Gender, and Art</td>
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<tr>
<td>ART 180</td>
<td>Encountering Mystery</td>
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<tr>
<td></td>
<td>Any ART Studio Course</td>
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<tr>
<td>FLM 291-FLM 296</td>
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<td></td>
<td>III. Classics</td>
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<tr>
<td>CLA 201</td>
<td>Love,Sex,Conqst:Classic Myth</td>
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<tr>
<td>CLA 202</td>
<td>Classical Epic: Gods &amp; Heroes</td>
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<tr>
<td>CLA 203</td>
<td>Classical Tragedy</td>
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<tr>
<td>CLA 204</td>
<td>Comedy: Ancient and Modern</td>
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<tr>
<td>CLA 321</td>
<td>Anc World Sexuality &amp; Gender</td>
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<tr>
<td></td>
<td>IV. Literature (English Department)</td>
<td></td>
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<tr>
<td>Any ENG course 301-331</td>
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<tr>
<td>ENG 381</td>
<td>History of the Eng Language</td>
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<tr>
<td>ENG 382</td>
<td>Lit Thec:Plato to Poststructr</td>
<td></td>
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<tr>
<td></td>
<td>V. Literature (Modern Languages)</td>
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<tr>
<td>CHN 310</td>
<td>Selections in Chinese Lit</td>
<td></td>
</tr>
<tr>
<td>Any course in FRE literature/film 410-462</td>
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<td></td>
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<tr>
<td>Any course in GRM literature/film 305-406</td>
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<tr>
<td>JPN 310</td>
<td>Selections in Japanese Lit I</td>
<td></td>
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<tr>
<td>SPA 310</td>
<td>Intro to Lit of Sp-Spkng Wld</td>
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<tr>
<td>Any course in SPA literature/film 410-456</td>
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### Philosophy of Religion Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>One Theology/Religious Studies course beyond the GEP</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two of the following:</td>
<td>6</td>
</tr>
<tr>
<td>POL 401</td>
<td>Seminar on Freedom of Religion</td>
<td></td>
</tr>
<tr>
<td>HIS 316</td>
<td>The Grandeur that was Rome</td>
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<tr>
<td>HIS 317</td>
<td>The Rise of the West: 400-1200</td>
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<tr>
<td>SOC 327</td>
<td>Sociology of Religion</td>
<td></td>
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</tbody>
</table>

### Philosophy Minor

**Program-level Goals and Learning Objectives**

**Goal 1:** Students will develop the skills of identifying, analyzing, evaluating, and constructing philosophical arguments

**Learning objectives**

**Objective 1.1:** Students will be able to recognize arguments that appear in written texts by identifying philosophical conclusions and the premises that support them

**Objective 1.2:** Students will be able to evaluate the premises of arguments

**Objective 1.3:** Students will be able to construct arguments in order to express philosophical ideas both orally and in writing

**Goal 2:** Students will demonstrate knowledge of logic (at a level appropriate for undergraduate majors)

**Objective 2.1:** Students will recognize basic deductive and inductive argument forms as well as different types of informal fallacies

**Objective 2.2:** Students will be able to apply basic logical concepts, such as validity and soundness and strength and cogency, in their evaluation of arguments

**Goal 3:** Students will gain an appreciation for the history of philosophy, including major figures and texts

**Objective 3.1:** Students will be able to explain (in writing, or through oral communication, or on examinations) some of the main ideas, problems, theories, methodologies, or schools of thought from the ancient or medieval periods of Western philosophy

**Objective 3.2:** Students should be able to explain (in writing, or through oral communication, or on examinations) some of the ideas, problems, theories, methodologies, or schools of thought from the modern or contemporary periods of Western philosophy

**Goal 4:** Students will display, at a level appropriate for undergraduate majors, the skills required for engaging in philosophy as a specialized academic discipline

**Objective 4.1:** Students will successfully complete an advanced, seminar-style class which features the construction and evaluation of arguments for specific philosophic positions and a focused examination of a particular philosophical problem(s), area, or text

**Objective 4.2:** Students will complete a final paper or research project, typically in the context of completing an advanced, seminar-style class

Students seeking to complete a minor in philosophy must take the two philosophy courses required in the GEP:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>PHL xxx</td>
<td>Philosophical Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four more philosophy courses
We recommend that philosophy minors take a philosophy course to satisfy the GEP Faith and Reason signature course area, as well as one to satisfy the Ethics Intensive overlay.
PHYSICS

Department Overview
Physicists study the properties and behavior of matter and energy in a wide variety of contexts, ranging from the sub-microscopic particles from which all ordinary matter is made (particle physics) to the behavior of the Universe as a whole (cosmology). Physics primarily is the science that deals with exploring the Rules of Nature and the fundamental understanding of nature that comes from the study of physics is central to all the natural sciences, applied sciences and technology, and thus profoundly affects the life of every human along with his or her environment.

The Department of Physics at Saint Joseph's University offers students a comprehensive, challenging, and flexible curriculum in the discipline of physics. The program begins with a core grouping of courses (freshman and sophomore years) in the foundation of classical Newtonian mechanics and Maxwellian electricity and magnetism along with a two semester program in nonclassical (modern) physics, which provides the student with the development of physics ensuing from the development of quantum theory and special relativity that occurred in the first quarter of the twentieth century. Each of these courses is accompanied with a laboratory program, which not only complements the didactic material but also indoctrinates the student into the methodology of doing experimental physics. Also during this time the student is mastering the language of physics, which is mathematics. The student will take three semesters of calculus along with Mathematical Methods of Physics taught by the physics faculty. These physics and mathematics courses will provide the student with the necessary background to explore a vast array of upper division courses, which include opportunity for taking physics electives in particular areas of interest. The upper level palette of courses includes the study of advanced mechanics, classical and statistical thermodynamics, electricity and magnetism, quantum mechanics, and experimental methods of physics. Elective material includes solid state physics, biophysics, nuclear and particle physics, computational physics, and physics of fluids. advanced quantum mechanics.

The Department of Physics at Saint Joseph’s University has developed a research-oriented culture for both its faculty and students. It is expected that most students will experience some sort of research activity over their four-year development in the discipline of physics. The ability to put into practice what is learned in the classroom is paramount to the growth of the young scientist. In the research laboratory, the student will learn to ask appropriate questions, design and perform experiments to answer those questions, analyze data using computational methods, and draw appropriate conclusions. Students will also be exposed to the interfaces of physics where physics meets biology and chemistry and to that end, the student of physics will witness how the methods of physics are central to addressing key problems in the disciplines of biology and chemistry.

Undergraduates can participate in research in three different ways. They may decide to take research for academic credit. Within the major, students must take three physics electives and one or more of these may be used to perform scientific research under the guidance of our physics faculty. The student might opt to do research as a Summer Scholar. Saint Joseph's University is well known for its 10-week Summer Scholars Research Program and students in physics, through the generosity of its alumni, Dean and Provost, have been able to provide stipends for all physics students who have wanted to do summer research. It should be noted here that students selected to participate in the Summer Scholars Program not only receive a stipend but also are provided low-cost housing by the University. Lastly, students may opt to volunteer in a laboratory at SJU or elsewhere.

Department Mission
At its core, the mission of the Department of Physics at Saint Joseph's University is to educate students who are broadly trained in the discipline of physics and will have the ability to attack problems and enter professional areas not only in the field of physics per se but also in the areas of biology, chemistry, the applied sciences, and professional careers where the principles of physics and critical thinking skills associated with a degree in physics are used on a routine basis.

In the spirit of the mission of the university, we believe that our students, through the liberal arts training gleaned from the General Education Program, in particular the "ethical dimension in learning", in addition to the concentration curriculum in physics, will become lifelong learners and will use their knowledge and education for the betterment of mankind.

Physics in the GEP (See Curricula)
The GEP requires that all students take EITHER one semester of a lab-based natural science course (6 contact hours) OR two semesters of lecture-only natural science courses. Students who entered SJU in the fall of 2010 or later, or transfer students who entered SJU on the GEP curriculum and who wish to satisfy the natural science GEP by completing courses in Physics may do so by taking the first semester of the science majors, lab-based course sequence, PHY 101/PHY 101L or PHY 105/PHY 105L, or one of the lab-based, one-semester courses for non-science majors, as they become available. Alternatively, students may fulfill one or both semesters of the natural science GEP by completing one or two of the special one-semester lecture-only Physics courses designed for non-science majors listed below.

Non-science majors Physics GEP lecture-only courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 110</td>
<td>Understanding Natural World</td>
<td>3</td>
</tr>
<tr>
<td>PHY 111</td>
<td>The Astronomical Universe</td>
<td>3</td>
</tr>
<tr>
<td>PHY 112</td>
<td>Energy: Problems &amp; Promises</td>
<td>3</td>
</tr>
<tr>
<td>PHY 114</td>
<td>Tech Breakthroughs of 20th Cen</td>
<td>3</td>
</tr>
</tbody>
</table>

Non-science majors Physics GEP lab-based courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 113</td>
<td>Exploring the Physical World</td>
<td>4</td>
</tr>
<tr>
<td>PHY 115</td>
<td>Investigations in Astronomy</td>
<td>4</td>
</tr>
</tbody>
</table>

Associate: Douglas A. Kurtze, Ph.D.; Paul J. Angiolillo, Ph.D.; Piotr Habdas, Ph.D.
Assistant: Jesse M. Goldman
Alexander D. Urban

Chair: Habdas

Undergraduate Major
- Bachelor of Science in Physics (p. 393)

Undergraduate Minor
- Physics (p. 395)
PHY 101 General Physics I (3 credits)
This two-semester sequence is an algebra-based physics course intended primarily for students majoring in biological and health sciences. Emphasis is on understanding fundamental principles and applying them to the analysis of physical phenomena, with several applications that arise in biology. Topics include classical kinematics and dynamics, fluids, waves, optics, electricity and magnetism and optics. Co-requisites: PHY 101L for PHY 101; PHY 102L for PHY 102. PHY 101 is prerequisite to PHY 102.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 101L General Physics Laboratory I (1 credit)
A two-semester laboratory sequence to accompany PHY 101-102. Co-requisites: PHY 101 for PHY 101L; PHY 102 for PHY 102L.
Attributes: GEP Natural Science, Undergraduate

PHY 102 General Physics II (3 credits)
This two-semester sequence is an algebra-based physics course intended primarily for students majoring in biological and health sciences. Emphasis is on understanding fundamental principles and applying them to the analysis of physical phenomena, with several applications that arise in biology. Topics include classical kinematics and dynamics, fluids, waves, optics, electricity and magnetism and optics. Co-requisites: PHY 101L for PHY 101; PHY 102L for PHY 102. PHY 101 is prerequisite to PHY 102.
Prerequisites: PHY 101
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 102L General Physics Laboratory II (1 credit)
A two-semester laboratory sequence to accompany PHY 101-102. Co-requisites: PHY 101 for PHY 101L; PHY 102 for PHY 102L.
Attributes: Undergraduate

PHY 105 University Physics I (3 credits)
This two-semester sequence is a calculus-based physics course intended primarily for students majoring in physics, chemistry, mathematics, or computer science. Emphasis is on developing both qualitative and quantitative understanding of fundamental physical principles, and the ability to apply those principles to analyze physical phenomena. Topics include classical kinematics and dynamics, electricity and magnetism, waves, and optics. Co-requisites: PHY 105L for PHY 105; PHY 106L for PHY 106. First-semester calculus is co- requisite for PHY 105. PHY 105 is prerequisite to PHY 106.
Restrictions: Enrollment is limited to students with a major in Actuarial Science, Chemistry, Computer Science, Mathematics or Physics.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 105L University Physics Laboratory I (1 credit)
A two-semester laboratory sequence to accompany PHY 105-106. Co-requisites: PHY 105 for PHY 105L; PHY 106 for PHY 106L.
Prerequisites: PHY 105 (may be taken concurrently)
Attributes: GEP Natural Science, Undergraduate

PHY 106 University Physics II (3 credits)
This two-semester sequence is a calculus-based physics course intended primarily for students majoring in physics, chemistry, mathematics, or computer science. Emphasis is on developing both qualitative and quantitative understanding of fundamental physical principles, and the ability to apply those principles to analyze physical phenomena. Topics include classical kinematics and dynamics, electricity and magnetism, waves, and optics. Co-requisites: PHY 105L for PHY 105; PHY 106L for PHY 106. First-semester calculus is co- requisite for PHY 105. PHY 105 is prerequisite to PHY 106.
Prerequisites: (PHY 1051 or PHY 1055) or PHY 105
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 106L University Physics Laboratory II (1 credit)
A two-semester laboratory sequence to accompany PHY 105-106. Co-requisites: PHY 105 for PHY 105L; PHY 106 for PHY 106L.
Attributes: Undergraduate

PHY 110 Understanding Natural World (3 credits)
This course offers the non-science major an opportunity to explore how physics impacts everyday life. Topics will vary depending upon the interests of the class, but may include: the physics of sports, why musical instruments sound different from each other, rainbows and other optical phenomena, the physics of toys, Einstein’s theory of relativity, and how a laser works. Although mathematics will not be the focus of the course, a working knowledge of algebra, geometry, and simple trigonometry is necessary. Emphasis is placed on developing critical thinking and scientific observation skills. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science, Undergraduate

PHY 111 The Astronomical Universe (3 credits)
In this course designed for the non-science major, the student is introduced to modern astronomical knowledge and theories. The planets, stars, and galaxies are investigated. Space exploration is discussed. Minimal mathematics is used and no previous science is required. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science

PHY 112 Energy: Problems & Promises (3 credits)
The goal of this course is to teach the student how to read, analyze, and intelligently comment on news articles about energy and the environment. The physics is straightforward and requires no more than basic business mathematics. Topics include: fossil fuels, large scale renewables, small scale renewables, nuclear power, megawatt accounting for conservation, transportation, and emissions control. The course emphasizes how real data shapes economics and policy, so the exact content will vary with current events. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science
PHY 113 Exploring the Physical World (4 credits)
In this lab-based course, students build up the basic principles of geometrical optics, electricity, thermodynamics, and/or classical mechanics by carrying out guided experiments and interpreting their results. Mathematics, at the level of geometry and simple algebra, is introduced when and as it is needed. Successful completion of this course and lab satisfies the Natural Science requirement for students under the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 113L Exploring the Phys World Lab (0 credits)

PHY 114 Tech Breakthroughs of 20th Cen (3 credits)
This course will explore a smorgasbord of major technological advances that occurred during the 20th century. Many of these developments occurred as a result of the historical, political, and economic factors that shaped much of the landscape of the previous century. The scientific achievements will be discussed in the historical context upon which they occurred paying particular emphasis on the interesting personalities that were responsible for many of the discoveries. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Attributes: GEP Natural Science

PHY 115 Investigations in Astronomy (4 credits)
This course, designed for the non-science major, provides an introduction to the science of astronomy. Topics include: the roles of observation, theory, philosophy, and technology in the development of the modern conception of the Universe. The Copernican Revolution, the birth and death of stars, our Milky Way galaxy, time, and our ancestral heritage in the cosmos will be discussed and explored. No previous science, nor mathematics beyond the level of high school algebra, is required. Successful completion of this course and lab satisfies the Natural Science requirement for students under the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 115L Investigations in Astronomy Lab (0 credits)

PHY 150 Context in Scientific Disc (3 credits)

PHY 209 Tech Breakthroughs 20th Century (3 credits)

PHY 211 Meterology (3 credits)

PHY 251 Modern Physics I (4 credits)
An analytical survey of the experiments, theories, and principles that led to the modern view of physical reality. Topics include: an introduction to special relativity theory, the dual nature of waves and particles, uncertainty relations, Bohr theory of hydrogen, fundamental aspects of quantum mechanics, the quantum theory of the hydrogen atom, and, if time permits, many-electron atoms. Prerequisite: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 252 Modern Physics II (4 credits)
An extension of PHY 251 to include specific applications of the quantum theory. Topics include: structure and spectra of many-electron atoms and molecules, classical and quantum statistics, theory of solids, nuclear structure and dynamics, and an introduction to elementary particles. Prerequisite: PHY 251.
Prerequisites: PHY 251
Attributes: Undergraduate

PHY 253 Survey of Nanotechnology (3 credits)
Nanotechnology embraces the disciplines of applied physics, materials science, supramolecular chemistry, and biological engineering to name a few. An overview of this highly interdisciplinary field will be given with a focus on the role of physics principles that guides this technology and on the new and exotic materials used. Prerequisites: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 255 Linear Systems in Physics (3 credits)
An introduction to advanced mathematical topics in the context of elementary systems in physics. Techniques and methods are emphasized. Formal proofs are discussed when they help elucidate the techniques and methods under study. Topics include: applications of series and sequences, power series, complex numbers and identities, first- and second-order differential equations, waves and Fourier analysis, Fourier and Laplace transforms, fundamentals of linear algebra and the eigenvalue problem, and vector calculus. Prerequisites: MAT 162 and PHY 106.
Prerequisites: MAT 162 and PHY 106
Attributes: Undergraduate

PHY 257 Mathematical Methods in Physics (3 credits)
Advanced mathematical methods for physicists: includes linear vector spaces, orthogonal functions, partial differential equations, complex variables, and transform techniques. Emphasis is on application of these mathematical techniques in solving problems in physics. Prerequisites: PHY 106 or permission of the Department of Physics Chair.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 261 Electronics I (4 credits)
Course objective is to develop skills necessary to employ modern digital and analog electronics technology in the sciences. It will cover: introductory DC/AC circuit analysis, active and passive electronic devices and measurements, operational amplifiers, logic elements, and an introduction to digital electronics and circuits. Two 3-hour lecture/laboratory periods. Prerequisite: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 262 Electronics II (4 credits)
Will further develop the concepts introduced in Electronics I to include an understanding of microprocessors and microcomputers, signal processing and electronic data acquisition, and communications systems that employ digital and analog techniques. Two 3-hour lecture/laboratory periods. Prerequisite: PHY 261.
Prerequisites: PHY 1151 or PHY 261
Attributes: Undergraduate

PHY 301 Classical Mechanics (4 credits)
Newtonian particle dynamics is presented with special emphasis on damped and forced simple harmonic motion and central-force motion. Generalized coordinates are introduced, and both Lagrange’s formulation and Hamilton’s formulation of classical mechanics are developed. Prerequisites: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 303 Thermal Physics (3 credits)
The laws of thermodynamics are introduced and studied in the classical manner and the statistical mechanical foundations of thermodynamics are developed, including quantum statistics. Prerequisite: PHY 251.
Prerequisites: PHY 251
Attributes: Undergraduate
PHY 307 Electricity and Magnetism (4 credits)
The classical (non-quantum) theory of electric and magnetic fields and charge interactions is presented. The appropriate tools of vector analysis are developed as they are needed. The Maxwell equations in both differential and integral form are introduced. Prerequisites: PHY 106, PHY 257
Prerequisites: PHY 106 and PHY 257
Attributes: Undergraduate

PHY 308 Waves and Optics (4 credits)
The study of electromagnetic waves and their associated boundary-value problems. Other topics include a brief analysis of geometrical optics, and detailed study of interference, diffraction, and polarization phenomena associated with electromagnetic waves. Prerequisites: PHY 106, PHY 257
Prerequisites: PHY 106 and PHY 257
Attributes: Undergraduate

PHY 311 Experimental Methods of Phy I (3 credits)
Laboratory intensive with some lecture. A broad exposure to instrumentation and techniques of experimental physics. Focus on electromagnetism, electronics, optics, and fundamental ideas from modern physics. Emphasis placed on written and oral communication skills and team work. One four-hour laboratory meeting per week. Prerequisite: PHY 251.
Prerequisites: PHY 251
Attributes: Undergraduate

PHY 312 Experimental Methods of Phy II (3 credits)
Extends the laboratory work begun in PHY 311. Focus on atomic, molecular, solid-state, and nuclear physics. Greater reliance on independent work by the student. One four-hour laboratory meeting per week. Prerequisite: PHY 311.
Prerequisites: PHY 2072 or PHY 311
Attributes: Undergraduate

PHY 321 Quantum Mechanics I (4 credits)
The Schrodinger formulation of quantum theory is developed with its constructs of wave packets, differential operators, and eigenvalue equations. Special emphasis is given to the quantum theory of measurement. Applications include various one-dimensional problems, central potentials and angular momenta. The transition to the matrix formulation of quantum theory is developed. Prerequisites: PHY 251, MAT 213.
Prerequisites: PHY 251 and MAT 213
Attributes: Undergraduate

PHY 390 Physics Seminar (0 credits)
Topics and agenda may include outside speakers, local speakers, and discussion of special topics in physics and related areas. Physics majors are required to attend each semester. Physics minors are also encouraged to attend. Graded on a P/NP basis.
Attributes: Undergraduate

PHY 401 Advanced Mechanics (3 credits)
This course will further develop the Lagrangian and Hamiltonian formulations of classical mechanics. Additional emphasis will be given to such topics as: collision theory, noninertial reference frames, nonlinear mechanics and chaos, continuum mechanics, and topics in special relativity. Prerequisite: PHY 301.
Prerequisites: PHY 301
Attributes: Undergraduate

PHY 403 Quantum Mechanics II (3 credits)
A continuation of the development of quantum theory started in PHY 321. Topics to include: identical particles including fundamental molecular quantum theory, time-independent and time dependent perturbation theory, the WKB and adiabatic approximations, scattering, and an introduction to field theory. Prerequisite: PHY 321.
Prerequisites: PHY 321
Attributes: Undergraduate

PHY 405 Solid State Physics (3 credits)
A study of matter in its solid state. Topics include crystal structure, electrical conduction in metals and semiconductors, dielectrics, magnetic materials, and superconductivity. Includes applications to solid-state devices. Prerequisites: PHY 251, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 407 Soft Condensed Matter Physics (3 credits)
This course will study the physics of materials such as fluids, liquid crystal, polymers (including biological polymers such as proteins and DNA), colloids, emulsions, foams, gels, and granular materials. Prerequisites: PHY 251, PHY 252, PHY 257, or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 409 Statistical Mechanics (3 credits)
Topics include ensembles and distribution functions, quantum statistics, Bose-Einstein and Fermi-Dirac statistics, and partition functions. Prerequisites: PHY 251, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 411 Nuclear Physics (3 credits)
The phenomena of natural and artificial radioactivity are investigated. Various models of nuclear structure are introduced and examined. Nuclear reactions are studied with emphasis upon fission and fusion. Some of the apparatus of nuclear physics, such as particle accelerators and radiation detection devices, is analyzed. Prerequisites: PHY 251, MAT 213, or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 413 Materials of Electronics (3 credits)
This course will focus on the materials used to conduct electrical charge and spin and hence information from one region in space and time to another. Conduction processes in metals, traditional semiconductors, and in organic conducting and semi-conducting materials will be explored with a particular emphasis on the underlying physics principles employed. Prerequisites: PHY 251, PHY 252, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 252 and PHY 257
Attributes: Undergraduate

PHY 415 Computational Physics (3 credits)
Introduction to problem solving in physics using mathematical modeling, numerical methods, computer simulations and the fundamentals of programming. Topics may include: numerical solutions of Laplace and Poisson equations for electrostatic boundary-value problems, Monte Carlo simulation techniques, chaos theory. Prerequisites: PHY 106, MAT 213 or permission of the Physics Department Chair.
Prerequisites: PHY 106 and MAT 213
Attributes: Undergraduate
PHY 417 Astrophysics (3 credits)
Application of the principles of classical and modern physics to astronomical phenomena. Topics include the acquisition and analysis of primary astronomical data; stellar energy production, structure, and evolution, including red giants, white dwarfs, neutron stars, and black holes; galactic structure and evolution; and cosmology. Prerequisites: PHY 251, PHY 257, or permission of the Physics Department Chair. 
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 419 Biophysics (3 credits)
Application of physics to biological systems. Topics include: molecular biomechanics, fluids, interaction of photons and charged particles with matter, transport phenomena, electrical properties of membranes and nerves, Fourier techniques and signal analysis, image reconstruction, fundamentals of radiology, and health physics issues. Prerequisites: PHY 251, PHY 257 or permission of the Physics Department Chair. 
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 421 Physics of Fluids (3 credits)
The mechanics of continuous media, including balance laws for mass and momentum. Hydrostatic equilibrium, compressible and incompressible flow, vorticity and circulation. Pressure and shear, viscosity, and an introduction to Newtonian and non-Newtonian fluids. Applications may include geophysical flows.Prerequisites: PHY 106, PHY 257 or permission of the Physics Department Chair. 
Prerequisites: PHY 106 and PHY 257
Attributes: Undergraduate

PHY 423 Biomechanics (4 credits)
PHY 423L BioMechanics Lab (0 credits)

PHY 470 Adv Special Topics in Physics (3 credits)
The topics to be discussed are decided upon by agreement between students and teacher. This sequence is designed for Honors and other qualified students. 
Attributes: Undergraduate

PHY 492 Internship in Physics (3 credits)

PHY 493 Research Project in Physics (2-4 credits)
Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research Project (6 credits) Must be elected in junior year to allow adequate research time. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register. 
Attributes: Undergraduate

PHY 494 Research Project in Physics (2-4 credits)
Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research Project (6 credits) Must be elected in junior year to allow adequate research time. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register. 
Attributes: Undergraduate

Physics B.S.

Learning Goals and Objectives for the B.S. in Physics

Goal 1: The student will develop the skills to be able to analyze phenomena quantitatively, be able to build scientific models, and use the scientific method to test those models, and as such, experimentation will be a central part of the student’s curriculum.

Students will be able to:
Objective 1.1: Be conversant with fundamental laboratory methods including developing skills in experimental design, the use of electronic equipment, and analysis of data including computational methods of processing and analyzing data.
Objective 1.2: Be able to translate problems in the natural sciences, especially those related to the physical world, into mathematical formulations utilizing calculus, differential equations, and linear algebra.

Goal 2: The student will gain an appreciation and understanding, and pursue a mastery of the foundations of physics including Newtonian mechanics, classical electricity and magnetism, thermodynamics, and quantum theory.

Students will be able to:
Objective 2.1: Solve problems using classical Newtonian mechanics
Objective 2.2: Solve problems in classical electricity and magnetism including wave phenomena and optics.
Objective 2.3: Understand the development of quantum mechanics from the failure of classical mechanics under certain conditions and be able to solve paradigmatic problems using fundamental quantum theory.
Objective 2.4: Understand the development of classical thermodynamics and in conjunction with quantum theory, appreciate the need for a statistical approach to thermodynamics.

Goal 3: The student will gain an appreciation for, and integrate the contributions of physics within an historical and sociological context and be able to articulate the development of physical thought in both oral and written form.

Students will be able to:
Objective 3.1: Competent in articulating ideas and laboratory research using oral and written forms of communication, especially as they pertain to disseminating these to the general public.
Objective 3.2: Able to integrate the discipline of physics into a broader worldview, one that is able to see the developments in physics as useful to humankind.

Goal 4: The student will gain an appreciation for the central themes of physical thought as they apply to other areas of the natural sciences, the applied sciences, and technology.

Objective 4.1: Through the General Education Program and, in particular, the Integrated Learning Courses, students in physics will develop their knowledge of the other areas of the natural sciences.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In
addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**
See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**
See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 105</td>
<td>University Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 105L</td>
<td>University Physics Lab I</td>
<td>1</td>
</tr>
</tbody>
</table>

**General Education Overlays**
See this page about Overlays (p. 27).

**General Education Integrative Learning Component**
See this page about Integrative Learning Component (p. 27). Three courses

Students will take two of the following four courses in addition to MAT 213 (Calculus III):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 101</td>
<td>Bio I: Cells</td>
<td>4</td>
</tr>
<tr>
<td>BIO 102</td>
<td>Bio II: Genetics</td>
<td>4</td>
</tr>
<tr>
<td>CHM 120</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 125</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are encouraged, but not required, to take the associated Chemistry labs.

**GEP Electives**
Six courses

**Major Requirements**

**Major Concentration**
Sixteen courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 213</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHY 106</td>
<td>University Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 106L</td>
<td>University Physics Lab II</td>
<td>1</td>
</tr>
<tr>
<td>PHY 251</td>
<td>Modern Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 252</td>
<td>Modern Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 257</td>
<td>Mathematical Methods in Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 301</td>
<td>Classical Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 303</td>
<td>Thermal Physics</td>
<td>3</td>
</tr>
<tr>
<td>or PHY 409</td>
<td>Statistical Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHY 307</td>
<td>Electricity and Magnetism</td>
<td>4</td>
</tr>
<tr>
<td>PHY 308</td>
<td>Waves and Optics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Methods of Phy I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 312</td>
<td>Experimental Methods of Phy II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 321</td>
<td>Quantum Mechanics I</td>
<td>4</td>
</tr>
</tbody>
</table>

Three PHY 3-credit electives, two of which must be at the 300-level or higher

Students are also required to enroll in PHY 390 Physics Seminar each semester.

**Concentration in Materials Physics**
A student may elect to pursue a course of study leading to expertise in the area of the physics of materials, nanotechnology, or biophysics.

Select three of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 253</td>
<td>Survey of Nanotechnology</td>
<td></td>
</tr>
<tr>
<td>PHY 261</td>
<td>Electronics I</td>
<td></td>
</tr>
<tr>
<td>PHY 262</td>
<td>Electronics II</td>
<td></td>
</tr>
<tr>
<td>PHY 407</td>
<td>Soft Condensed Matter Physics</td>
<td></td>
</tr>
<tr>
<td>PHY 405</td>
<td>Solid State Physics</td>
<td></td>
</tr>
<tr>
<td>PHY 413</td>
<td>Materials of Electronics</td>
<td></td>
</tr>
<tr>
<td>PHY 419</td>
<td>Biophysics</td>
<td></td>
</tr>
<tr>
<td>PHY 421</td>
<td>Physics of Fluids</td>
<td></td>
</tr>
</tbody>
</table>

These courses will prepare the student for either entry into various areas of the electronics and nanotechnology industries or for entry into graduate programs in various areas of physics, materials science engineering, medical physics, and biophysics.

**Advisory Option—Computer Science**
Physics majors may elect an advisory course sequence designed to prepare the student for an entry level position or graduate work in Computer Science.

**Advisory Option—Teacher Certification in Physics**
Pennsylvania’s Secondary (referred to as "secondary" or "7-12") preparation program guidelines require a Professional Core of courses, early and varied field experiences, and student teaching. In addition to the subject-specific content requirements for secondary programs that are met by the student’s major, candidates for the 7-12 teaching certificate in Pennsylvania must complete a prescribed sequence of coursework which includes the specific requirements for Accommodations and Adaptations for Diverse Learners in Inclusive Settings and Meeting the Needs of English Language Learners under §49.13(4)(i)).

Below is the recommended program for students who will be eligible for a PA Level I teaching certificate:
Five Year Combined B.S. in Physics/M.S. in Education Option

The Pennsylvania Department of Education requirements and program of study sequence for students under the GEP have not yet been finalized. This section of the catalog will be updated as soon as the requirements are in place. Students interested in the five year program should speak to their academic advisors and to Chair of the Department of Physics as early in their academic careers as possible.

Advisory Option—Physics Pre-Medical, Pre-Dental

Physics majors may elect an advisory course sequence designed to meet medical/dental school admission requirements. With the explicit permission of the Chair of the Physics Department, students choosing this option may substitute CHM 210/CHM 210L and CHM 215/CHM 215L for two of the required physics electives.

Calculus Prerequisite

All courses in Physics except PHY 101-PHY 102 and PHY 110-PHY 115 require calculus as a pre- or co-requisite.

Physics Minor

Learning Goals and Objectives for the minor in Physics

**Goal 1:** The student will develop the skills to be able to analyze phenomena quantitatively, be able to build specific models, and see how the scientific method is used to test those models.

Students will be able to:

**Objective 1.1:** Be conversant with fundamental laboratory methods, the use of the electronic test equipment, and analysis of data including computational methods of processing and analyzing data.
POLITICAL SCIENCE

Description
Political Scientists study power and how it operates at different levels – among individuals, within and between institutions and individuals, and between countries, international organizations, corporations, societal groups, and individuals in the international arena. Our department hopes students will connect the classroom with the wider issues in global, national, and local politics by attending our many events, trips, and study tours and participating in internships.

Professor: Lisa A. Baglione, Ph.D
Associate: Dr. Becki Scola, Ph.D.; Kazuya Fukuoka, Ph.D.; Susan P. Liebell
Ph.D
Assistant: Richard N. Gioioso, Ph.D.
Visiting: Lia Howard, Ph.D.

Chair: Scola

Undergraduate Major
• Political Science (p. 405)

Undergraduate Minor
• Political Science (p. 407)

POL 101 Intro Amer Govt & Pol (Fr Sem) (3 credits)
POL 103 Intro:Comparative Pol (Fr Sem) (3 credits)
POL 105 Intro:International Pol (Fr Sem) (3 credits)
POL 107 Intro:Political Thought (Fr Sem) (3 credits)

POL 111 Intro to American Politics (3 credits)
This course is an introduction to American political processes and institutions. The goal of this course is to acquaint the student with the theory and practice of American government. Students will learn about the basic structure, function, and dynamics of American government and the political system within the context of the major political issues of our time. Beyond studying the institutional structures and activities of government, we will also evaluate the relationships between individuals, groups, and institutions in terms of influence, process, and outputs in various domains. Depending on instructor, satisfies the Diversity overlay requirement.
Attributes: GEP Social Science, Undergraduate

POL 113 Intro to Comparative Politics (3 credits)
An introduction to the study of comparative political systems, this course focuses attention on the institutions and political cultures of select countries from different world regions. While exploring the varieties of democracy and authoritarianism, as well as the complexity of democratizing today, this course also introduces students to the comparative method. Satisfies the Globalization overlay requirement.
Attributes: GEP Social Science, Globalization Course (New GEP), International Relations Course, Undergraduate

POL 115 Introduction to Global Politics (3 credits)
This course is an introductory survey of the major approaches (Realism, Liberalism, and Constructivism), interpretations and problems in the field of Global Politics, with a heavy emphasis on current events. Topics include security (war, peace, terrorism), international political economy (hegemony, development, globalization), and trans boundary issues (migration, human rights). Satisfies the Globalization overlay requirement.
Attributes: GEP Social Science, Globalization Course (New GEP), International Relations Course, Undergraduate

POL 117 Intro to Political Thought (3 credits)
When is it justified to overthrow a tyrant? Do men and women have different virtues? Are markets just? Political theorists ask questions about justice, equality, law, property, community, and duty. This course examines questions that affect today’s political world by examining the foundations of political thought - Plato, Aristotle, Aquinas, Machiavelli, Hobbes, Locke, Adam Smith, Madison, Rousseau, Marx – as well as contemporary theorists such as Foucault, and feminist Wendy Brown.
Attributes: Undergraduate

POL 122 Law and Public Policy (3 credits)

POL 150 First-Year Seminar (3 credits)

POL 170 Special Topics: Political Sci (3 credits)
Depending on the instructor, this courses will focus on a particular topic of interest in Political Science and Politics (e.g., The Presidential Election, The Arab Spring, Guns and the Supreme Court). Does not count for major credit.
Attributes: Undergraduate

POL 191 Washington Leadership Seminar (3 credits)
Students who attend The Washington Center (TWC) take a leadership seminar through TWC. This course is an elective; it does not count for major or minor credit.

POL 192 Washington Internship (3 credits)
Students who attend The Washington Center (TWC) for a normal academic semester (fall or spring) perform a 30-35 hour a week internship. The Department grants students two upper division courses (6 credits) for the internship (see POL 411-412 below) and also this third elective course for these internship hours. This course is an elective; it does not count for major or minor credit.

POL 193 Washington Center Elective (3 credits)
Students who attend The Washington Center (TWC) transfer it back as POL 193. This course is an elective; it does not count for major or minor POL credit. Students may take a course in another discipline to count for minor or double major credit, according to that Department’s/Program’s rules.
POL 201 Soph Sem: Law and Social Change (3 credits)
What are the advantages and limits of using the law to affect social change? We use cases and case studies to examine the relationship between law and society. This course focuses on problems of implementation, the actual benefits received by affected parties, and the relationship between the federal government, the states, and public opinion. Case studies include: school integration, abortion, pay equity, death penalty, and single-sex unions. This course features a moot court and is for POL majors only (with special exceptions for minors). Majors typically take this class (or its sibling – POL 231) during their spring sophomore semester. Pre- or concurrent requisites: POL 111 or 117. Satisfies the Writing Intensive overlay requirement and is an approved American Studies and Justice and Ethics in the Law course.
Prerequisites: POL 111 (may be taken concurrently) and ENG 101
Restrictions: Students cannot enroll who have a major in International Relations.
Attributes: GEP Social Science, Undergraduate, Writing Intensive Course-GEP

POL 231 Soph Sem: 1989/2011 (3 credits)
Students will study two years of enormous upheaval – 1989 and 2011 with a focus on their aftermaths – to understand political transformation as a process. In addition to this substantive focus, students will also learn about the logic and methods of social science inquiry and how to write a research paper for Political Science (and International Relations). Pre- or concurrent requisites: POL 113. Satisfies the Writing Intensive overlay requirement.
Prerequisites: ENG 101 and (POL 111 and POL 113) or (POL 111 and POL 115) or (POL 111 and POL 117) or (POL 113 and POL 115) or (POL 113 and POL 117) or (POL 115 and POL 117)
Restrictions: Enrollment is limited to students with a major in International Relations or Political Science.
Attributes: GEP Social Science, International Relations Course, Undergraduate, Writing Intensive Course- GEP

POL 270 Special Topics (3 credits)
Depending on the instructor, this course will focus on a particular topic of interest in Political Science and Politics (e.g., The Presidential Election, The Arab Spring, Guns and the Supreme Court). Students may count only two POLs 270 and/or 370 courses for major or minor credit.
Attributes: GEP Social Science

POL 301 Law and Social Change (3 credits)
Brown v. Board of Education is heralded as a great success. A disenfranchised minority turned to the courts when the legislature and executive failed to respond. To what extent has this approach been successful? Since Brown, other, groups have turned to the courts as an authority when they believe they are disadvantaged by the larger political system. Should the courts play a role in social change? What should it look like? Case studies will include: school integration in the 1960s, birth control and abortion, gun rights, capital punishment or juvenile life without parole, and marriage equality. Satisfies the Writing Intensive overlay requirement. This is an American Studies and an approved Justice and Ethics in the Law course.
Attributes: Undergraduate

POL 302 Democratic Theory (3 credits)
Machiavelli – the first political realist – challenged the world to look at politics "as it is" rather than "as it ought to be." He asserted that rulers needed virtue – literally "manliness" – rather than Christian virtue or morality. This course investigates how Machiavelli's ideas challenged (and threatened) those of the Reformation and the Jesuits – and affected democratic and liberal theorists as they sought to reinvent the world. The course examines the political thought of Hobbes, Locke, Rousseau, Wollstonecraft, Mill, Marx, and Rawls – as well as 20th and 21st century writers who continue to debate the nature of politics, gender, and political leadership. It includes a simulation of Rousseau's General Will and Rawls's Original position.
Attributes: Undergraduate

POL 303 American Political Thought (3 credits)
Why did Ben Franklin say that the Swedes were "blackening" the colonies? Why did Lincoln change his mind about slavery? The course examines classic texts (for example, the American Revolution, the constitutional convention, Lincoln-Douglas debates) by linking them to other important intellectual and political movements in American thought (for example, white –women's suffrage, the 20th century civil rights movements). The course examines the changing political vocabulary in American politics – and the expansion of rights to men, laborers, women, racial minorities, and LGBT people. This is an American Studies course.
Attributes: GEP Social Science, Undergraduate

POL 305 Politics, Ideology, & Film (3 credits)
How do ideologies – bodies of thought – affect individuals, social movements, nations, institutions, and groups? This course examines ideologies like fascism, communism, racism, colonialism, capitalism. We use films and primary documents from Europe, Asia, Latin America, Russia, and the United States to place each ideology in historical, political, and/or economic context. Students are expected to master the complexities of the ideologies in historical context as well as evaluate ideologies that have shaped national and international politics in the twentieth and twenty-first centuries. Classic articles in the social sciences and humanities help students explore popular responsibility for the actions of a leader (are the German people responsible for Hitler's atrocities?), torture (is it ever ethical to torture someone for information?), and capital punishment (are there conditions when it is acceptable for the state to end a life?). Pre-requisite: PHL 154. Satisfies the Ethics Intensive overlay requirement. This is a Political Science and an International Relations course.
Attributes: GEP Social Science, Undergraduate

POL 308 American Political Institution (3 credits)
In this course, students will study some of the most important claims, findings, and readings in the field of American political institutions, policy, and politics. Paying particular attention to the key scholarly questions, debates, and research on the major institutional actors in American politics, students will study a range of topics and analyze specific institutions in American politics such as the branches of government, the bureaucracy, political parties, the media, and interest groups. Along with learning about the important theoretical and empirical questions that guide the study of American institutions, students will also examine the ways in which the public exerts influence on, and is influenced by, these institutions. The overall goal of the course is to provide insight into how the study of political institutions broadens our understanding of politics, power, and democracy.
Attributes: Undergraduate
POL 309 Advising the Presidency (3 credits)
What makes a president “great?” What is leadership? Why do some presidents succeed and others fail? This course offers an analysis of the contemporary American Presidency with emphasis on the use of power, the role of personality, the nature of decision-making, and the relationship with the media, interest groups, and public opinion. We will investigate how presidents decide their policy priorities; what factors affect presidents’ public standing; what conditions shape the president’s relationship with Congress; and so on. Having carefully studied the presidency from the above perspectives, we will bring our informed insights to bear on two important questions confronting current and future presidents: race and gender. While the topic of the course is the presidency in general, the secondary goal of the class is to introduce and critically analyze how race and gender shape the ideas we have about our nation’s highest office. This is traditionally offered as a Winter Intersession course and is a Gender Studies course.
Attributes: Gender Studies Course, GEP Social Science, Undergraduate

POL 310 Constitutional Politics (3 credits)
From the time the Constitution was ratified, the three branches of American government (legislative, executive, and judicial) have competed for control over American policy and law. The Supreme Court is – on the one hand – extremely powerful because it can declare an act of either the legislature or executive unconstitutional (judicial review). Yet the Court lacks any power to enforce its decisions and it relies on the other branches to enforce its decisions (for example, President Eisenhower bringing in the military to uphold the desegregation of schools). Through the reading of cases and the viewing of documentaries, this course explores how the Supreme Court has shaped American politics for over two centuries. Topics include free speech in wartime, internment of Japanese-Americans during WWII, desegregation, abortion rights, and same-sex marriage. This is an approved American Studies and Justice and Ethics in the Law course. Not for major credit.
Attributes: GEP Social Science, Undergraduate

POL 311 Const Law:Rights & Civil Lib (3 credits)
A study of contemporary issues of civil rights and liberties in the United States through classic Supreme Court decisions. Issues addressed include freedom of speech, press, and association, racial and gender discrimination and the issue of fundamental rights, including the right of privacy. Students read cases and learn to brief cases. The course highlight is a simulation of two Supreme Court cases. Students read and research to portray justices and attorneys in the two mock court simulations. This is an approved American Studies and Justice and Ethics in the Law course.
Prerequisites: ENG 101
Attributes: Undergraduate, Writing Intensive Course- GEP

POL 312 Social Controversy & Sup Court (3 credits)
Americans look to the Supreme Court to rule on moral and social issues like capital punishment and abortion. Why do citizens rely on nine unelected judges to define their rights in a democracy? This class analyzes how the Supreme Court has, over time, changed American law in two controversial rights: gun ownership and marriage equality. The class begins by considering the judiciary in our constitutional democracy then turns to the two case studies. The Supreme Court decided four marriage cases in June of 2015 and the course integrates these new rulings. Students will examine documents from the Founding (e.g. the Federalist Papers), read modern accounts of both gun and marriage cases, and learn to read and brief Supreme Court decisions. This is an approved American Studies and Justice and Ethics in the Law course.
Attributes: Undergraduate

POL 313 Public Policy (3 credits)
This course investigates public policymaking within the United States with an emphasis on the social construction of public policy. Students will assess the significance of social, economic, and political factors that influence policymaking and implementation; how problems become a part of the political agenda; and the major political ideological perspectives in the U.S. that impact policy process and content. The course is a study of policy in practice, as students will evaluate current social problems along with empirical social science research to determine the strengths and weaknesses as well as the intended and unintended effects of a particular social policy at the state and/or national level.
Attributes: GEP Social Science, Undergraduate

POL 314 Public Administration (3 credits)
Essentially a survey of the principles and problems of modern governmental administration, this course concentrates on the theory of administration; the making and execution of public policy; relationships among the executive, legislature, bureaucracy, and public; structure and functions of sound administrative organization; personnel, budgeting, and other special problems; controversial issues of administration in a democratic society; as well as current trends in the theory and practice of American public Administration.
Attributes: GEP Social Science, Undergraduate

POL 315 Government and Business (3 credits)

POL 316 State and Local Government (3 credits)
This course focuses on gaining an understanding of the state and local tiers in our nation’s three-tiered federal system. The organization of the course will explore the key elements of the federal system along with important characteristics of the institutional components that make up state and local governments, e.g. the executive, legislative and judicial branches. The course will also examine the political forces that energize state and local governments such as voters, parties, and interest groups. The very important matter of budgeting will be addressed as well. Finally, public policy issues of particular concern to state and local governments will be assessed. To assist in understanding state and local government issues, several guest speakers will address the class and add their insights. We will conduct several focus groups during the semester to discuss relevant issues and devote some attention to polling in the current political atmosphere.
Attributes: GEP Social Science, Undergraduate

POL 317 Urban Politics (3 credits)
This course will explore urban politics in the U.S., first through an examination of the history of U.S. urban governance structures, namely machine politics and Progressive Era reform politics. As a bridge between the early era of city governance and contemporary urban life, we will examine the impact of suburbanization on the city. Our second segment will study and critique different ways of understanding urban power and governance, namely regime theory, privatism, managerialism, populism and progressivism. The third segment of the course will examine contemporary elements of the “urban crisis”, among them class, race and inequality. To highlight some of these issues, the final two weeks will be spent examining urban, public education as a policy arena where all three parts of the course will be placed in conversation.
Attributes: Undergraduate
POL 318 Pennsylvania Politics (3 credits)
This course is a study of the Commonwealth of Pennsylvania, its recent history, its politics, and the way its government is conducted. The course will have distinct, but overlapping emphases: The Political Environment: What are the political forces driving the agenda in this state? The issues: What are the issues that actually matter in this state? The Structure: How do the Governor's Office, the General Assembly, other statewide offices, and other departments of state government actually work? To assist in learning about these matters, several experienced and knowledgeable guest speakers will address the class. In addition, at various points in the semester, the class will be formed into a focus group to discuss various issues confronting the state.
Attributes: GEP Social Science, Undergraduate

POL 319 Media & Politics (3 credits)
News media has a profound influence on U.S. politics and policy, and this course investigates the interaction among the media, politicians, and citizens, with an emphasis on the ways in which news media shape everything we “know” about politics. Through an examination of a variety of media platforms—newspapers, television, campaign advertising, and social media—we will examine the media's roles and responsibilities in American politics and learn how citizens respond to the media’s coverage of politics, politicians, and public policy. Do the media help us fulfill our obligation to be ‘good citizens’ within our democratic community? Do politicians, the media, and our political institutions promote or obstruct our efforts to be good citizens? In this course, we will address these questions with the goal of developing a thorough understanding of the relationship between citizens, the media, and politicians in a rapidly changing media age.
Attributes: Undergraduate

POL 320 Injustice & the Law (3 credits)
Fifty years after the passage of the Civil Rights Act of 1964, which eliminated most forms of de jure discrimination, we are still witnessing the lingering effects of de facto inequality within American society. To be sure, the CRA of 1964 and its subsequent amendments eliminated the use of discriminatory practices in housing, employment, business, and education. But overcoming de facto inequality has been harder to accomplish. What explains the gap between established legal doctrine and the reality of many Americans of color? The goal of the course is for students to study the potential and limits of law as a tool for social justice, as well as the role of law in the creation and maintenance of systems of racial injustice. Primarily through the lens of race, students will examine the empirical realities of laws and policies that were ostensibly passed to overcome injustice, broadly defined, as well as the sociopolitical causes and consequences of de facto racial segregation in American society. This is an approved Justice and Ethics in the Law course.
Attributes: Africana Studies Course, Honors Course, Undergraduate

POL 321 Religion and American Politics (3 credits)
What is the relationship between religion and political life in the United States? How does religion influence major dimensions of politics, public policy, and mass participation? Should citizens and policymakers in the U.S. base their political opinions on their religious beliefs? In this course, students will investigate the place of religion in American political life and discuss how religion informs contemporary politics. The principal aim is for students to understand how religion affects politics, and vice versa, and to develop a greater understanding of the vitality and variability of religion as a factor in American public life.
Attributes: Faith Justice Course, Undergraduate

POL 322 Campaigns & Elections (3 credits)
The Campaigns and Elections course is an examination of modern American political campaigns, with a focus on the dramatic changes that have occurred in electoral politics in recent years. The course will have three distinct, but overlapping emphases: 1. The Strategic Campaign: How are campaigns carried on and managed? How should they be? What are the new technologies that have so drastically changed the nature of political campaigns? 2. Voting Behavior: what are the deep and fundamental changes that have occurred in voting behaviors and attitudes in recent years? What are the implications of these changes for the electoral process? 3. The Media and Campaigns: How do the media influence campaigns and electoral outcomes? What are the implications of the pervasive relationship between politics and the mass media? To assist in learning about the real world of politics, several guest speakers with considerable experience in political campaigns will address the class. In addition, at various points during the semester, the class will be formed into a focus group to discuss various campaign-related issues.

POL 323 Women and American Politics (3 credits)
This course is designed to provide students with a critical examination of women as political actors in the United States. We will analyze various forms of women's political participation, both in the traditional spheres of what is considered politics -- women as voters and politicians -- and also in more "non-traditional" spheres of political activism. We will examine how women are mobilized to participate in politics, focusing keenly on the differences among women in their political activism in an effort to understand how the intersection of gender, race, class, sexuality, age, and ability influence women's political activism. The primary goal of this course is to familiarize students with key issues, questions, and debates in the women and politics scholarship, mainly from a U.S. perspective. Students will become acquainted with many of the critical questions and concepts scholars have developed as tools for thinking about the gendered political experience. In this course you will learn to "read" and analyze gender politically, exploring how it impacts our understanding of the political world. Satisfies the Diversity overlay requirement and is a Gender Studies course.
Attributes: Diversity Course (New GEP), Gender Studies Course, GEP Social Science, Undergraduate

POL 324 Race & Ethnic Politics in U.S. (3 credits)
From its first days, the United States has faced the dilemma of how to incorporate populations different from the majority population into the polity. This dilemma continues today and appears in discussions of such issues as affirmative action, immigration and naturalization, language policy, and social welfare policy. In this course, we will examine the major theories that attempt to explain the roles of race and ethnicity in U.S. politics and the ways in which individuals use race and ethnicity as resources for political organization. We will examine the phenomenon of ethnicity and race in the political development of the United States. Finally, we will look at the political attitudes and behaviors of ethnic and racial populations in order to measure their contemporary political influence. Among the topics to be covered include the meaning of race and ethnicity, the history of racial and immigration politics, prejudice, group participation and mobilization, political representation, and public opinion. Satisfies the Diversity overlay requirement.
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Social Science, Undergraduate
POL 325 Contemp Am Social Movements (3 credits)
Social movements are considered as one of the motivating forces behind political, social, and cultural change and are often credited for fundamentally reshaping societal institutions. This course examines the contemporary social movements that have occurred since the mid-1960s, commonly defined as the "New Social Movements" (NSMs). This course will explore several of these movements and examine where, when, why, and how the movements emerged. Students will also analyze what made certain movements more successful than others.

POL 326 Protesting Inequality (3 credits)
Through the lens of political science, this course examines the political causes and consequences of inequality in the United States and how citizens have responded to the empirical realities of unequal circumstances. While inequality is an economically, politically, socially, and morally complex phenomenon, this course emphasizes that inequality does not "just happen" but rather is a result of the way our society is structured. Nevertheless, citizens—agents—have protested inequality on various occasions and in many different ways. It is on these citizen protest movements that we will focus most of our attention, including, but not limited to, the "Poor People's Movements" of the 1960s, the Welfare Rights Movement in the 1990s, and the Occupy Movement of the 2010s. This is an approved Justice and Ethics in the Law course.

Attributes: Undergraduate

POL 327 Environmental Politics in Am (3 credits)
In order to understand today's controversies over fracking and global warming, this course examines the rise of environmentalism in America, moving from the progressive conservationism of Teddy Roosevelt through the environmentalism of Earth Day and the 1970's to the present era. The course uses recent works in political science to establish the actors in environmental decision-making and implementation as we consider federalism and state environmental policy, public opinion, interest groups, political parties, markets and free trade, the Presidency, Congress, the Bureaucracy, and the Courts. The focus of all student work is current – unresolved – policy problems at the local, state, and national levels. One of the course highlights is a policy simulation.

Attributes: Undergraduate

POL 328 Politics of U.S. Immigration (3 credits)
In this course, students will critically engage with the politics of immigration in the United States. While the national narrative broadly celebrates the arrival and incorporation of newcomers, these processes have been highly contested and problematic both in popular discourse and public policy since the country's founding. The question of 'who immigrates' has been, and continues to be, shaped by decisions on how to manage geopolitical and geo-economic forces, domestic political, economic and social preferences, popular sentiment and humanitarian considerations. Furthermore, understanding how immigrants integrate in society necessarily involves examining 'difference' on a number of axes, including race and ethnicity, language and culture, religion, gender, socioeconomic and educational levels, and legal status. This course provides students with the opportunity to explore key aspects of the discourse and reality of immigration to the U.S., including the American Dream, assimilation, ethnic neighborhoods, transnationalism, borders and security by considering the values, interests and roles of actors at all levels, including civil society organizations, national and sub-national governments, communities, households and individuals in the continuous re-making of the U.S. as a nation of immigrants.

Attributes: Undergraduate

POL 329 Suburban Govt & Problems (3 credits)

POL 331 Latin American Politics (3 credits)
This course addresses the political, economic and social development of modern Latin America. It examines the transformation of traditional authority structures, efforts to promote economic development, and concerns for the consolidation of democracy, adjustment to globalization, and U.S.-Latin American relations. Satisfies the Non-Western overlay requirement and is a Latin American Studies Course.

Attributes: Faith Justice Course, International Relations Course, Latin American Studies Course, Non-Western Studies (GEP), Undergraduate

POL 332 Politics of Japan (3 credits)

POL 333 Asian Democ at the Crossroads (3 credits)
This course will examine and discuss the political dynamics and policy behaviors of three successful democracies in Northeast Asia: Japan, South Korea, and Taiwan. While all three countries are successful democracies with economic power, each country also faces a series of critical challenges in their politics, economy, and society. The global implications of their struggles are never trivial and the examination of three countries will provide us with the better grasp of contemporary global issues. The thematic focus of the course lies in the comparative analysis of each country in terms of political system, political economy, state-society relations, and foreign relations. To this end, the course will also explore the intricacies of the cultural, historical, and psychological contexts in which behavioral and policy motivations may be explained.

Satisfies the Non-Western overlay requirement and is an Asian Studies course.

Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate

POL 334 Russian Politics (3 credits)
In 1917, the USSR was born out of the ashes of the Russian empire, and in 1991, it died. Since the Soviet Union disintegrated, Russia has struggled to develop a new national identity, a healthy economy, a well-functioning polity, an efficacious state, and a new orientation in world affairs. This course investigates the significance of the Soviet legacy for the contemporary political situation in Russia and evaluates the impact of new forces unleashed since the end of the communist era. In learning about the USSR and developments in today's Russia, the class applies some of comparative politics' "big concepts:" revolution, the state, the nation, federalism, totalitarianism, authoritarianism, and democracy.

Attributes: GEP Social Science, International Relations Course, Undergraduate

POL 335 Comp Pols of MENA (3 credits)
This course addresses the political, economic and social development of the Middle East and North Africa. This region comprises 24 countries (or more depending on who is counting) and spans three continents. Historically it has produced all three of the world's major monotheistic faiths and served as the battleground of kings and crusaders. Currently it is home to nation states, transnational movements, and several on-going conflicts. This course will explore the political system, political economy, and societal components of several countries in the region as a starting point to challenge broader themes of nationalism, territoriality, and political power.

Attributes: Africana Studies Course, International Relations Course, Undergraduate
POL 336 The EU and European Politics (3 credits)
This course will provide students with a hands-on opportunity for learning about the politics of the European Union and its member states. As an organization that is both supranational and intergovernmental in nature, the EU’s actions are subject to the actions within its institutions and the decisions of its members. Therefore European politics has a great impact on what the Union does. The key and (unique) learning tools in this course are three simulations of EU institutions—the EU Parliament, the Councils of the EU, and the European Council. Students will take on roles of actual EU politicians and engage in policy making. The simulations will require students to perform extensive outside research to prepare to play their roles and will give participants an excellent understanding of these institutions and how they work. Class members will also become expert in the politics of “their” countries (the countries from which their alter egos are from) as well as on the issue under consideration (which will vary depending on pressing European and world events).
Attributes: Undergraduate

POL 337 Contemp Cuban Politi, Std Tour (3 credits)
The Cuban revolution is one of the seminal events of Latin American twentieth century history. This course provides the tools to understand the forces that gave rise to the revolution, how the “Revolution” has evolved over the more than five and a half decades since the Castro government has been in power, and how Cuban society has transformed—politically, economically, socially and culturally. Particular focus is placed on Cuba since the demise of the Soviet Union, the so called “Special Period,” in which Cuba transitioned from a 2nd World client state into an isolated underdeveloped country. Political reforms since then have contributed to an aperture toward the outside world, as well as to steps towards greater economic freedom for Cubans. Many other topics, including race, gender, the arts, Cuba’s foreign relations with the U.S. and the rest of the world, citizenship, religion, health care and Cuba’s future, will be discussed as well. This course satisfies the Non-Western overlay requirement and is a Latin American Studies and Africana Studies course.
Attributes: GEP Social Science, International Relations Course, Non-Western Studies (GEP)

POL 338 Democracy: Perspect. from Rome (3 credits)
This class offers an introduction to democratic political processes and institutions by using Rome as a case study. Students will learn about politics and political change in modern Italy; about the structure, function, and dynamics of government and the political system; about the political theories and events that affect the current political climate; and about how citizens participate through these structures. We will first read a few classics on democracy and the democratic tradition to establish a foundation of theoretical reasoning before moving on to an examination of the empirical evidence of how the system of politics functions in Italy. An added, comparative function of this course will be a correlation of political institutions in the United States, urging students to reflect upon their own political environment.
Attributes: Diversity Course (New GEP)

POL 339 Dictatorship, Asian Style (3 credits)
This course will examine and discuss the political dynamics and policy behaviors of two authoritarian communist regimes in East Asia: China and North Korea. What are the natures of Chinese and North Korean societies? What are the guiding principles and norms in their political systems? What are the historical as well as contemporary implications of their economic systems? To this end, this course will explore the intricacies of the cultural, historical, and psychological contexts in which behavioral and policy motivations could be explained. Along with the comparative analysis of each country (political system, political economy, state-society relations, and foreign relations), major contemporary issues and challenges will be also examined. Can Chinese Communist Party keep its authoritarian grip on its people forever? Will China ever be democratized? Has China’s long economic boom ended? What are the mechanisms behind North Korea’s tight and cruel control of its citizens and their devotion to the Kim dynasty? Can North Korea enter and survive the global economy? More fundamentally, where is China heading? What does North Korea want? Satisfies the Non-Western overlay requirement and is an Asian Studies course.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate

POL 340 Political Geography (3 credits)
Political Geography is a course of political and spatial inquiry; it helps students compare and contrast people, places, and processes around the world. This course explores how spatial phenomena including physical geography, borders, and nation-states affect social and political phenomena including domestic, regional and global governance, differences and dynamics of power, and identity, and vice versa. Furthermore, Political Geography focuses on ‘scale’—personal, local, regional, national, and global—to understand and explain patterns and processes, as well as conflict and cooperation in international affairs.
Attributes: Undergraduate

POL 341 Revolts and Revolutions (3 credits)
Why do revolts against governments deemed illegitimate occur and when do they become full-fledged revolutions? This course explores both the causes of uprisings and the conditions under which they succeed in bringing about new political and social orders by examining (1) what happened in the “great” revolutions, (2) how scholars have accounted for them, and (3) examining more recent instances of revolts which have sometimes failed and others succeeded. In this study, students will develop their writing and research skills, having the opportunity to find various types of information, write different forms of essays, and appropriately cite and present their materials. Satisfies the Writing Intensive overlay requirement.
Attributes: International Relations Course, Undergraduate
POL 342 Nationalism (3 credits)

POL 350 Memory & Recon. in Global Soci (3 credits)
War apologies abound. Since the end of the Cold War, what we have been witnessing is a world-wide surge in memory. We are living in the era where collective apologies have become more and more common, and, as in Nigerian writer Wole Soyinka, to reconcile with the past has become critical part of contemporary politics of memory and regret. More concretely, this course will explore the following questions: Can a state apologize? Can the current generations apologize for the past wrongs and feel responsible? Or, should they? How do individuals articulate the link between identification with the state (and national pride) and sense of individual responsibility? How do individuals get their information about past wrongs? How much confidence do they have in the various sources (textbooks, mass media, internet, friends and family, etc.) at their disposal? Is reconciliation possible? Can memories go beyond national borders? Can it be something universal? The course will start with the introduction and examination of the role of history and memory in the (re-) formation of communal identity and explores for the possibility of communal reconciliation with past wrongs. Along with the examination of conceptual frameworks such as engagement and denial/avoidance, the ethical dimensions of political reconciliation will be discussed in terms of (1) retributive justice and (2) restorative justice. Satisfies the Diversity and Ethics Intensive overlay requirements and is an Asian Studies course.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), International Relations Course, Non-Western Studies (GEP), Undergraduate

POL 351 International Human Rights (3 credits)
The tension between sovereignty and the promotion and protection of human rights remains one of the primary issues in contemporary global politics. This course focuses upon human rights, their status as international law, and the major issues in the implementation and enforcement of that law. The course will open with an overview of the philosophy of human rights, followed by discussion of the history of human rights, the international law of human rights, and the role of human rights in foreign policy. Throughout, students will study various mechanisms for the promotion, protection, and implementation of international human rights, including those of international organizations such as Amnesty International. Whenever possible, the discussion of legal issues will relate to contemporary developments in human rights, and to issues of US foreign policy involving considerations of human rights. An additional focus will be on the human rights implications of globalization.
Attributes: International Relations Course, Undergraduate

POL 352 Global Political Economy (3 credits)
Global economic relations are international, political and complex; they involve cross border flows of goods, money, services and people, and they reflect and create power. This course focuses on the nature and impact of the movement of goods (trade), capital (money, foreign direct investment, bailouts), services (call centers), people (migration), and even "bads" (pollution and disease) to understand the challenges of and opportunities for development, globalization and international cooperation in today's world. It emphasizes the analysis of historic booms and busts in various national economies as well as current global events and trends. Prerequisite: POL 115. Satisfies the Globalization overlay requirement and is a Latin American Studies course.
Attributes: GEP Social Science, Globalization Course (New GEP), International Relations Course, Undergraduate

POL 353 Global Security (3 credits)
This course examines the weapons- and state-centric approach to security that was dominant during the Cold War and investigates how conceptions have changed since that era. While arms and militarization continue to be security concerns with the added threat of terrorism, economic strength and development, resource scarcity, environmental degradation, and human rights are all on the post-Cold War security agenda. The course contrasts a "national security" perspective with a "global" or "human security" one. Satisfies the Globalization overlay requirement and is a Faith-Justice course.
Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

POL 354 War and Peace (3 credits)
Why do wars occur and how does peace "break out" and become habituated in the relationships and politics among states and within nations? Traditionally, students of international relations have focused on wars and war prevention while assuming that peace was simply the absence of interstate violence. This course will investigate the major theories explaining the outbreak of conflict, and it will also explore definitions of peace and theories accounting for the building peace among states that were enemies and rivals, as well as the transformation of previously war-torn societies into places where normal political conflict is resolved through negotiation and institutional channels instead of with violence.
Attributes: GEP Social Science, International Relations Course, Undergraduate

POL 355 American Foreign Policy (3 credits)
This course explores US foreign policy since the end of World War II. After a conceptual introduction (Part I) which explores the utility of interests, institutions, and ideas for accounting for American policy, the course examines the US-Soviet competition and the ways that that "cold" conflict affected U.S. behavior not only toward the USSR, but also toward other regions (Part II). Part III investigates the early post-Cold War period and the attempts and failures in constructing some kind of "New World Order," and Part IV explores how the US has been responding to the twin challenges of terrorism and globalization.
Attributes: International Relations Course, Undergraduate

POL 357 America & the World Economy (3 credits)

POL 359 Contemporary Int'l Migration (3 credits)
Migration has profound and transformative impacts on many aspects of politics, by its effects on labor markets, culture, gender, racial and ethnic relations, religion, and families and kinship ties. This course draws on social science literature to examine the causes and consequences of migration and the effects on both sending and destination countries in various regions of the world. It explores how various types of migrants - refugees, immigrants, guest workers, trafficked persons, and undocumented workers - have shaped and continue to reshape politics and society through their interactions and relationships with regimes of power and authority, established communities, and each other. This course also addresses the incorporation of migrants into political and economic life in their destination countries and how this reverberates in their home countries, the role of international organizations in global migration, and analysis of current migratory trends and polemics. Satisfies the Globalization overlay requirement.
Attributes: GEP Social Science, Globalization Course (New GEP), Undergraduate
POL 361 Theories of International Relations (3 credits)
Central to the study of international relations is a solid understanding of the theoretical literature. While the introductory course gives students a taste of the field, serious students must spend more time exploring the arguments and implications of realism, liberalism, constructivism, Marxism, feminism, and the various ontological and epistemological debates that underlie the intellectual competition and scholarly endeavors within and between the advocates of the various paradigms. This course provides that solid foundation, allows students to understand the scale of the field today and gives them opportunity to evaluate these theoretical traditions and their ability to account for global politics. Any student considering graduate study in global affairs, regardless of major (e.g., Economics, English, History, International Relations, Political Science, Sociology, etc.) should take this class.
Attributes: International Relations Course, Undergraduate

POL 364 International Relations of East Asia (3 credits)
The course will examine and discuss the most intriguing dynamics of international relations in East Asia. Along with the historical analysis of international relation in the region since the mid-19th century, the course will engage in the discussion of pressing issues that characterize contemporary international politics in the region, including (1) regional economic development and interactions, (2) Sino-Taiwanese tension and the U.S. involvement, (3) North Korean nuclear crisis, (4) Japan and its post-Cold War security profile, and (5) regional tension over Japan’s militaristic past. Satisfies the Non-Western overlay requirement.
Attributes: Asian Studies Course, GEP Social Science, International Relations Course, Non-Western Studies (GEP), Undergraduate

POL 367 Ethics in International Affairs (3 credits)
What is morality in international politics? Is ethical reasoning and action possible in international affairs? If possible, when and how? Proponents of Realism often claim that there is virtually no room for morality in international affairs, and states and state actors are rational thinkers interacting in anarchy. For them, ethics are simply luxury and irrelevant. On the other hand, thinkers under the tradition of IR liberalism/idealism emphasize the ethical dimension of state decision making and state behaviors. On what moral ground or ethical reasoning, are the moral behaviors taking place and observed/unobserved? The primary objective of the course is to help students enhance their analytical ability for the study of international ethics. To this end, the course will explore the main traditions and theories of international ethics with a focus on such topical areas as just war and use of force, universal human rights and humanitarian intervention, and national collective memory and post-conflict reconciliation. Satisfies the Ethics Intensive overlay requirement.
Attributes: Ethics Intensive (New GEP), International Relations Course, Undergraduate

POL 368 Women, Gender & World Politics (3 credits)
To some scholars and policy makers, the idea that conditions in which women and girls live is important to global politics is almost ridiculous, but others stress that until we understand how "gender makes the world go around" (Cynthia Enloe), we will fail to (1) see accurately the nature of power, (2) achieve just outcomes for all people, and (3) understand how masculinity and femininity affect the political and social world. This course exposes students to the development of feminism (a body of thought that advocates for female, and more recently, gender, equality) and examines the extent to which women have become empowered in politics in their own countries, as well as globally. Moreover, many feminist scholars and activists have become sensitive to the ways that elements of a person’s identity (race, class, gender, national origin, ethnicity, etc.) intersect in complex ways to provide her with elements of privilege and/or disadvantage. A central contention of this course is that empowerment is more than simply achieving the vote or becoming an elected official, and traditionally, some people (based on identity) have had an easier time achieving access and opportunities than have others. Empowerment means that all persons, regardless of gender, have influence over decisions that matter to them, security (both at home and in the global arena), economic opportunities, and are treated justly (are believed to possess inalienable human rights that are not somehow forfeited because of their gender). Satisfies the Globalization overlay requirement, and is also a Gender Studies course.
Attributes: Diversity Course (New GEP), Globalization Course (New GEP), International Relations Course, Undergraduate

POL 370 Special Topics (3 credits)
Depending on the instructor, these courses will focus on a particular topic of interest in Political Science and Politics (e.g., The Presidential Election, The Arab Spring, Guns and the Supreme Court). Students may count only two POLs 270 and/or 370 courses for major or minor credit.
Attributes: GEP Social Science, International Relations Course, Undergraduate

POL 401 Seminar on Freedom of Religion (3 credits)

POL 402 Contentious Politics in the US (3 credits)
Contentious politics consists of many "non-traditional" forms of political action, including social movements, protests, riots, and even political violence. This capstone political science seminar examines contentious politics in the U.S. through the lens of 1960/70s radical social movements, a key moment in U.S. politics in which the New Left imagined, theorized, negotiated, and contested the meaning of democracy and power. Students will examine and analyze the origins, ideologies, claims/grievances, goals, and strategies of radical political groups that roughly fall under the banner of the New Left: anti-war, feminism, black liberation, American Indian Movement, Chicano Movement, and Gay Liberation. We will study the politics of the struggle over rights, democracy, power, and the use/nonuse of violence within the New Left through a careful study of the primary texts (statements, agendas, etc.) produced by these groups. Students will investigate what the New Left helps us understand about power, politics, and violence in a modern democracy and evaluate the effectiveness of protest as a means to forward a political agenda, broadly defined. Prerequisite: POL 111 and POL 117 or permission of instructor. Satisfies the Writing Intensive overlay requirement. This is an approved Justice and Ethics in the Law course.
Prerequisites: POL 111 or POL 201 or POL 231 and ENG 101
Restrictions: Enrollment is limited to students with a major in Political Science.
Attributes: GEP Social Science
POL 403 Nations and Nationalism (3 credits)
The primary objective of this seminar is to help students enhance their analytical abilities for the study of contemporary national problematic. In the rapidly changing contemporary global world, why are people still attracted, swayed, and annoyed by what is national? What is so important about being a part of nation? What drives people to develop specific allegiance toward a nation? And, how? More fundamentally, what is a nation? Prerequisite: POL 113 and POL 115 or permission of instructor. Satisfies the Writing Intensive overlay requirement.
Prerequisites: POL 113 and (POL 115 or POL 105) and (POL 201 or POL 231 or IRT 250) and ENG 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in International Relations or Political Science.
Attributes: International Relations Course, Undergraduate

POL 404 Contemporary Peacebuilding (3 credits)
The end of the Cold War brought widespread hope for world peace. Long simmering civil strife and interstate confrontations abated in Latin America, the Korean peninsula, Southern Africa and the Middle East. War and destruction, however, were far from over, as places where conflict appeared mostly resolved in the 1990s—the Middle East and Chechnya—reigned at the turn of the century and new ones emerged. Then, after 9/11, state military campaigns inspired insurgencies in places like Afghanistan and Iraq that seemed to add a new dimension to the problem of restoring order and civility to war-torn societies. So, just what is peace and under what conditions is it made? How can a settlement be established and ultimately lead to peace in places devastated by internal conflict? This seminar investigates theoretical frameworks of peacemaking and peacebuilding and asks students to apply these perspectives to contemporary cases. Prerequisite: POL 113 and POL 115 or permission of instructor. Satisfies the Writing Intensive overlay requirement.
Prerequisites: POL 201 or POL 231 or IRT 250
Restrictions: Enrollment is limited to students with a major, minor, or concentration in International Relations or Political Science.
Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

POL 407 Theories of Justice (3 credits)
What is political justice? We begin with an in-depth reading of the work that has defined justice in the 20th and 21st centuries: John Rawls’ A Theory of Justice. We will also read selections from Rawls’ Political Liberalism and his work on international justice, The Law of Peoples. In order to consider alternative theories of justice and criticisms of Rawls, we will read classic critical commentaries in the form of articles and book chapters from Michael Walzer, Michael Sandel, Alistair MacIntyre, Ronald Dworkin, Susan Okin, Robert Nozick, Brian Barry, Amartya Sen, and James Fishkin. Course requires in-depth reading of major political theorists of justice and encourages a sophisticated understanding of political justice through the weekly writing of critical, interpretive, and comparative essays. Students are encouraged to compare and contrast theories in order to develop a vocabulary of political ideology (liberalism, communitarianism, conservatism, feminism, legalism, utilitarianism, and post-modernism) as well as an understanding of different types of justice (e.g., distributive v. restorative). Prerequisite: POL 111 and POL 117 or permission of instructor. Satisfies the Writing Intensive and Ethics overlay requirements. This is an approved Justice and Ethics in the Law course.
Prerequisites: PHL 154
Restrictions: Enrollment is limited to students with a major, minor, or concentration in International Relations or Political Science.
Attributes: Ethics Intensive (New GEP), GEP Social Science, Undergraduate

POL 409 Contemporary Intern Migration (3 credits)
Migration has become a topic of increasing focus and concern in the 21st century, with some arguing that it will be one of the defining issues of our time. This is certainly the case for those tens of millions of individuals who are currently on the move, for the sending communities and societies from which they emigrate and the destinations that receive them, and the nation-states that control their entrance and exit. In this seminar, we will cover the “big” issues of migration in a comparative format through engagement with some of the most important examples of the extensive body of literature in Migration Studies. Concretely, we will critically examine: the demographics of migration in key regions of the world; theories that explain mobility; host-immigrant relations and integration; the role of gender, race, and ethnicity in migration; the growth of transnational ties as an aspect of globalization; security; and the analysis of immigration policies and citizenship. Throughout the course of the semester, we will question continually challenge ourselves to question the approach to migration as a problem to be solves versus as a process to manage. As a capstone seminar, Global Migration as Problem and Process includes reading requirements that are extensive and challenging and approaches learning through a collective approach as we share our individual insights and understandings. We will learn from each other. Students must come to class having read the assignment materials critically so that we can grapple with ideas and engage in debate. Avid participation is required. There will be minimal formal lecturing and most seminar time will consist of open discussion. Furthermore, this capstone will draw upon the knowledge students have gained from many of their other Political Science classes. The course materials will draw heavily from empirical evidence (qualitative and quantitative) to explore the topics discussed above, while applying major theoretical concepts in Political Science. Students should come prepared to integrate the knowledge they have gained over the past four years. Prerequisite: POL 113 and POL 115 or permission of instructor. Satisfies the Writing-Intensive overlay requirement.
Prerequisites: POL 113 and POL 115
Attributes: POL 113 and POL 115

POL 411 Washington Internship I (3 credits)
At The Washington Center (see Special Academic Programs and Services for more information), students are placed in an internship where they work 30-35 hours in an office making substantive contributions to its work in politics, public policy, law, advocacy, or other related fields. For these activities, students earn two courses worth of upper division credit. Please note: the other courses at the Washington Center do not count for POL major or minor credit.
Attributes: Undergraduate

POL 412 Washington Internship II (3 credits)
At The Washington Center (see Special Academic Programs and Services for more information), students are placed in an internship where they work 30-35 hours in an office making substantive contributions to its work in politics, public policy, law, advocacy, or other related fields. For these activities, students earn two courses worth of upper division credit. Please note: the other courses at the Washington Center do not count for POL major or minor credit.
Attributes: Undergraduate

POL 413 International Internship I (3 credits)
Some study abroad programs offer internship credit for one or two classes. Please note: subject to administrative approval, students may earn two courses of UD POL credit if their internship is in the 32-hour/week range.
Attributes: International Relations Course, Undergraduate
POL 414 International Internship II (3 credits)
Some study abroad programs offer internship credit for one or two classes. Please note: subject to administrative approval, students may earn two courses of UD POL credit if their internship is in the 32-hour week range. 
Attributes: International Relations Course, Undergraduate

POL 417 Urban Politics (3 credits)

POL 470 Independent Study (3 credits)

POL 491 Philadelphia-Area Internship (3 credits)
Supervised internships in the Philadelphia area provide students an opportunity to intern with elected officials, public interest organizations, party organizations, and many other groups involved with politics and policy including the Philadelphia DA’s office, CBS, or Senator Casey’s office. The course helps student: (1) develop tools for a job search; (2) professional writing skills (e.g. resume and cover letter); and (3) integrate academic skills into professional life. In fall, the course allows students to choose any organization related to politics, policy, or law. In spring, most students serve as Global Smarts mentors for the World Affairs Council of Philadelphia. Course credit available for International Relations and/or Justice and Ethics in the Law — with permission of the internship coordinator and the program director. Course counts for POL or IR credit once. With permission of the internship coordinator and POL department chair, course can be taken by POL and IR majors a second time as an elective. Course is open to ALL majors.
Prerequisites: ENG 101
Attributes: GEP Social Science, International Relations Course, Undergraduate

POL 493 Honors Research in Pol Sci I (3 credits)
Majors with a minimum GPA of 3.5 in Political Science courses may apply to the Honors Program to earn College Honors. Applications are due in Spring of the junior year for the right to perform a year-long research project under the supervision of a Political Science Department member. To succeed in the application, the student should be in conversation with that faculty member early on in the junior year. Then, the student works closely with her/his mentor over the course of the senior year to prepare and present a thesis that passes the scrutiny of the mentor, an outside faculty reader with complementary expertise, and a member of the Honors Committee. Specific requirements for the College Honors thesis may be found under “Honors Program”. Prior approval from the Honors Program and Department is necessary. Students who complete Departmental Honors are not required to take a POL Capstone Course. One semester of HON research counts for the Capstone Course and the other for an upper division POL course.
Attributes: GEP Social Science, Undergraduate

POL 494 Honors Research in Pol Sci II (3 credits)
Majors with a minimum GPA of 3.5 in Political Science courses may apply to the Honors Program to earn College Honors. Applications are due in Spring of the junior year for the right to perform a year-long research project under the supervision of a Political Science Department member. To succeed in the application, the student should be in conversation with that faculty member early on in the junior year. Then, the student works closely with her/his mentor over the course of the senior year to prepare and present a thesis that passes the scrutiny of the mentor, an outside faculty reader with complementary expertise, and a member of the Honors Committee. Specific requirements for the College Honors thesis may be found under “Honors Program”. Prior approval from the Honors Program and Department is necessary. Students who complete Departmental Honors are not required to take a POL Capstone Course. One semester of HON research counts for the Capstone Course and the other for an upper division POL course.
Attributes: GEP Social Science, Undergraduate

Political Science Major

Political Science Major

Political Scientists study power and how it operates at different levels—among individuals, within and between institutions and individuals, and between countries, international organizations, corporations, societal groups, and individuals in the international arena. Our department hopes students will connect the classroom with the wider issues in global, national, and local politics by attending our many events, trips, and study tours and participating in internships.

Learning Goals and Objectives

The Political Science Department requires its students to learn, think, and apply.

Goal 1: Learn Fundamental Knowledge: Students will gain foundational knowledge in the major sub-fields of political science and understand the content, core concepts and theories within each sub-field.

Objective 1.1: Students will identify, define, or analyze the content, core concepts and theories within the sub-fields.

Goal 2: Think and Make Arguments: Students will think critically and develop arguments based on evidence.

Objective 2.1 Students will articulate verbally or in writing an argument which defines, analyzes, or synthesizes relevant theories and concepts.

Objective 2.2 Students will apply relevant theoretical concepts to assess real world issues.

Goal 3: Think and Apply their Skills to Analysis: Students will evaluate arguments based on empirical evidence and assertions rooted in the discipline.

Objective 3.1 Students will apply a variety of tools methods, and perspectives to investigate and interpret issues relevant to the discipline.

Goal 4: Apply their Skills to the “Real World”: Students will be prepared for entry into professional careers, graduate schools, and other avenues related to Political Science as a discipline.

Objective 4.1 Students will demonstrate career preparation through experiential learning opportunities that are closely related to Political
Science or a related field through the development of interpersonal, analytical, and problem-solving skills.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

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<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
<td>3</td>
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General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

GEP Integrative Learning Component
Class of 2018:
- ECN 102 Introduction to Macro Economics
- MAT 118 Statistics
- Any upper division ECN, HIS, PHL, PSY, SOC or continuing Non-Native Language course beyond the GEP requirements.

Class of 2019 and beyond:
- ECN 101 Introduction to Micro Economics or ECN 102 Introduction to Macro Economics
- Any upper division HIS course (200-499)
- Any upper division ECN, HIS, PHL, PSY, SOC or continuing Non-Native Language course beyond the GEP requirements.

GEP Electives
At least nine courses

Major Requirements
Major Concentration
Twelve courses

Additional Introductory Courses (see POL 111 under GEP Variable Courses):

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<tbody>
<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 115</td>
<td>Introduction to Global Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 117</td>
<td>Intro to Political Thought</td>
<td>3</td>
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Class of 2018:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>POL 201</td>
<td>Soph Sem:Law and Social Change 1</td>
<td>3</td>
</tr>
<tr>
<td>or POL 231</td>
<td>Soph Sem: 1989/2011</td>
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</tbody>
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Upper Division Courses
Select six POL courses numbered 300-499

Capstone Course
Select one POL Capstone course from among 400-409

1 Ideally majors take this course in the Spring of their sophomore years. The sophomore seminars are not offered in the Fall. The Department strongly recommends that majors take either POL 201 or POL 231 before registering for an upper division course.

The Department strongly recommends that all students take the appropriate introductory course prior to enrolling in a Capstone Course.

Class of 2019 and beyond:

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>or POL 231</td>
<td>Soph Sem: 1989/2011</td>
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</tbody>
</table>

Upper Division Courses
Select seven POL courses numbered 300-499

Experiential Learning Course
Select one of the following:
- POL 411 Washington Internship I
- POL 412 Washington Internship II
- POL 413 International Internship I
- POL 414 International Internship II
- POL/HIS 491 Philadelphia-Area Internship
- Any Service Learning course (with SLR attribute)

Capstone Course
Select one POL Capstone course from among 400-409

1 POL majors who double-major in IR may not count more than three (3) upper division courses towards either degree requirement.

2 The Department strongly recommends that all students take the appropriate introductory course prior to enrolling in a Capstone Course. POL majors who double-major in IR must complete a second Senior Capstone Course to fulfill the IR major requirements. In addition, Capstone Courses do not count towards the Upper Division Course requirements for either major.

University Honors Requirements
To receive University Honors credit, an Honors Program student who is a political science major must have a 3.5 GPA, complete the Honors curriculum of 8 specified courses, and must undertake two consecutive semesters of research/study in the form of a senior thesis with a faculty mentor. These two courses may be counted toward the student’s total
upper division POL courses, and one semester of the thesis can replace the POL Capstone Course requirement. Specific requirements for the Honors thesis may be found under the Honors Program.

**Political Science Minor**

**Learning Goals and Objectives**

The Political Science Department requires its students to learn, think, and apply.

**Goal 1:** Learn Fundamental Knowledge: Students will gain foundational knowledge in the major sub-fields of political science and understand the content, core concepts and theories within each sub-field.

**Objective 1.1:** Students will identify, define, or analyze the content, core concepts and theories within the sub-fields.

**Goal 2:** Think and Make Arguments: Students will think critically and develop arguments based on evidence.

**Objective 2.1** Students will articulate verbally or in writing an argument which defines, analyzes, or synthesizes relevant theories and concepts.

**Objective 2.2** Students will apply relevant theoretical concepts to assess real world issues.

**Goal 3:** Think and Apply their Skills to Analysis: Students will evaluate arguments based on empirical evidence and assertions rooted in the discipline.

**Objective 3.1** Students will apply a variety of tools methods, and perspectives to investigate and interpret issues relevant to the discipline.

**Goal 4:** Apply their Skills to the "Real World": Students will be prepared for entry into professional careers, graduate schools, and other avenues related to Political Science as a discipline.

**Objective 4.1** Students will demonstrate career preparation through experiential learning opportunities that are closely related to Political Science or a related field through the development of interpersonal, analytical, and problem-solving skills.

Minors in Political Science will complete 6 courses that satisfy the following requirements:

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
<td>3</td>
</tr>
<tr>
<td>or POL 117</td>
<td>Intro to Political Thought</td>
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<tr>
<td>Two (2) upper division POL courses (POL 270 through 300 level)</td>
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<tr>
<td>Any other three (3) POL courses</td>
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1. Only one POL 270 counts towards the minor, unless otherwise approved in advance by the Chair.
2. Only one “Experiential Learning” course counts towards the minor (POL 191, POL 192, POL 193, POL 411, POL 412, POL 413, POL 414, POL 491 or HIS 491)
3. Only one Study Abroad or other course that is not taken in residence counts towards the minor.
4. International Relations majors must take either POL 111 or POL 117 and 2 POL classes that do not count for the IR major in addition to three other POL classes.
PSYCHOLOGY

Department Overview

Psychology is the scientific study of human and animal behavior, in all of its many manifestations. The Department of Psychology of Saint Joseph's offers students an exciting and challenging curriculum. The broad range of courses provides opportunities for understanding Psychology as a scientific, clinical, and corporate discipline. The Department's focus is on relevant, current research and the application of that research in experimental, clinical, counseling, health care and corporate settings. The full spectrum of activities and concerns of psychologists are covered, with consideration given to ethical issues.

University students with a wide range of interests find Psychology personally appealing and professionally relevant. Students use the Psychology major as a gateway to a diverse range of employment opportunities, including the health and legal professions, human resources and management positions, education and school counseling, and other social, industrial and organizational situations. Students wishing to pursue careers in the mental health professions can take advantage of our clinical concentration of courses. For those students interested in pursuing graduate study in Psychology, the Department offers a five-year Bachelor's/Master's degree program that offers training in the areas of behavioral neuroscience, clinical psychology and neuropsychology, behavioral pediatrics, social psychology, cognitive psychology, and developmental psychology.

Our graduates are currently college professors, researchers, school psychologists, clinical psychologists, counselors, developmental psychologists, personnel managers, educators, learning disability specialists, social workers, physicians, attorneys, and successful businessmen and women.

For more information about our program, please visit our web pages at http://psychology.sju.edu.

Departmental Mission

Few abilities are more central to a person’s successful and productive functioning in modern society than the sophisticated, insightful appreciation of one’s own behavior and the behavior of others. The University’s goal of developing liberally educated students in the 21st century and the Ignatian ideal of being ‘men and women for and with others’ can be advanced by encouraging students to develop sophisticated insight into behavior, both their own and that of others, in all of its diverse manifestations. The study of Psychology provides a theoretical and scientific framework that fosters the development of this sophisticated appreciation of oneself and others.

In the spirit of the Jesuit, Catholic, liberal arts tradition, the Department of Psychology of Saint Joseph’s University provides students with an understanding and appreciation of behavior and mental processes in all of its diverse manifestations, for the betterment of the human condition.

The Department promotes excellence through the teacher/scholar model and provides an atmosphere for students to be intellectually curious, socially responsible, to reason well, and to become independent learners. This academic experience will change the way they conceive of their world and themselves and will promote a life-long commitment to social justice and learning.

Guided by the philosophy of science as a worldview and its application to psychological processes, the Department of Psychology supports the University’s mission by:

- Excelling in teaching, scholarship, and service.
- Making a vital contribution to the general education of the University’s students.
- Modeling cura personalis through advising, mentoring, community and professional service, and assuming positions of leadership within and outside the University.
- Preparing courses that reflect the historic roots of the discipline as well as contemporary thought, and making explicit the connections between basic science and real world applications.
- Emphasizing professional ethics of psychology as a discipline.
- Conducting and disseminating high quality research, in partnership with students.
- Providing students with experientially based learning.
- Preparing students to contribute to the common good.

Professor: Donald S. Leitner, Ph.D.; Jodi A. Mindell, Ph.D.; Philip Schatz, Ph.D.
Associate: Josephine Shih, Ph.D.; Matthew J. Anderson, Ph.D.; Patrick Garrigan, Ph.D.; Phyllis Anastasio, Ph.D.
Assistant: Alex Skolnick, Ph.D.; Clare Conry-Murray, Ph.D.; Elizabeth A. Becker, Ph.D.

Chair: Leitner

Undergraduate Major
- Psychology (p. 420)

Undergraduate Minors
- Psychology (p. 422)

Graduate Degree
- Master of Science in Psychology (p. 417)

Adult Undergraduate Degree
- Psychological Studies (p. 417)

PSY N001 Non-Credit Time Mgmt & Stress (1 credit)
PSY N002 Non-Credit Leadership (1 credit)
PSY N003 Non-Credit - Team Development (1 credit)
PSY N004 Non-Credit Stress Management (1 credit)
PSY N005 Non-Credit Time Management (1 credit)
PSY 100 Introductory Psychology (3 credits)

This course introduces the student to the research problems, methods, findings, and basic theory that constitute the scientific investigation of human and animal behavior. Note: PSY 101 is restricted to Psychology majors only.

Attributes: GEP Social Science, Undergraduate
PSY 101 Intro Psychology Seminar (3 credits)

PSY 120 Lifespan Development (3 credits)
This course looks at the changes that take place in our lives: in our bodies, our personalities, our ways of thinking, our feelings, our behavior, our relationships, and the roles we play during different periods of our lives. In this course we seek to describe these changes through the scientific research that has observed, measured, recorded and interpreted objective data on growth and development. Additionally we will seek to explain these changes in so far as possible, attempting answers to why they have occurred and what influential roles heredity and environment play. Does not count toward Psychology major or minor. NOTE: This course does not count toward Psychology major. This course is not open to students who have already completed PSY 231. This course is only open to students who are not and do not plan to be Psychology majors. Psychology majors should take PSY 231 instead. Restrictions: Students cannot enroll who have a major in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 121 Child Development (3 credits)
An attempt will be made to understand the development of children as it occurs in biological, psychosocial, and cultural contexts. Emphasis will be given to contemporary psychological research on children and its implications for the understanding of the everyday behavior of the child. Notes: This course is only open to students who are not and do not plan to be Psychology majors. This course is not open to students who have taken PSY 231.
Restrictions: Students cannot enroll who have a major in Psychology.
Attributes: Undergraduate

PSY 122 Abnormal Psychology/Non-Majors (3 credits)
How do we define what behaviors are abnormal? This course will provide an overview to the study of psychopathology, more commonly known as abnormal psychology. As an introductory course to abnormal psychology, it will focus primarily on the description of various psychological disorders, their clinical course, and the current understanding of the causes of these disorders. Notes: This course does not count towards the Psychology degree. This course is not open to students who have already completed PSY 232. This course is only open to students who are not and do not plan to be Psychology majors. Psychology majors should instead take PSY 232.
Restrictions: Students cannot enroll who have a major in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 123 Psychology of Men and Women (3 credits)
Stop being part of the problem and try becoming part of the solution!! Find out what the battle between the sexes, sometimes referred to as "The Longest War," is really about. Explore the nature of the psychological experiences unique to growing up male and female in contemporary society and its effects on behavior and relationships. Current non-technical readings drawn from diverse disciplines (Biology, Sociology, History, as well as Psychology) will serve as the basis of classroom discussions. These will be supplemented by lectures summarizing the latest psychological research on gender similarities and differences. Note: This course does not count toward Psychology major.
Attributes: Gender Studies Course, Undergraduate

PSY 124 Human Sexuality (3 credits)
The human sexual experience will be examined openly and objectively from physical, social, and psychological perspectives. Issues of current concern such as pornography, homosexuality, and sexuality and the handicapped will be explored in depth. Lectures and discussions may be supplemented by audio-visual materials and guest speakers.
Attributes: Gender Studies Course, Undergraduate

PSY 125 Forensic Psychology (3 credits)
This course will provide a broad overview of the field of forensic psychology and the numerous ways that the discipline of psychology may be applied to the practice of the law. Forensic psychology focuses on the application of psychological research, methods, and expertise to issues that come before the legal system. The mental disorders that are encountered in forensic evaluations will be considered, along with the manner in which forensic psychologists assist judges and juries in determining criminal responsibility and punishment. Students will learn about the psychological underpinnings of crime; issues around competency to stand trial; issues around the insanity defense, capital murder and the death penalty; issues around child custody matters; jury selection; and interrogation procedures. Note: This course does not count toward Psychology major or minor.

PSY 126 Psychology of Culture (3 credits)
How does culture affect human behavior? The aim of this course is to use psychological theory and research to examine culture's effects on people cross-culturally. This course will examine how people are influenced by their culture and how people consider culture in the way they think about and treat others. This course will also focus on facets of cultures, including gender, race, ethnicity, and poverty. In addition, the course will examine how interactions among these facets influence people across cultures.
Attributes: Undergraduate

PSY 150 Gender Matters (3 credits)
This course provides an overview of research and theories on the biological, psychological, and the social aspects of gender. Areas of similarities as well as differences between men and women will be discussed. Significant attention will be given to the impact gender has on the everyday lives of women and men in contemporary American society today. Does not count toward Psychology major or minor.
Attributes: Diversity Course (New GEP), First-Year Seminar, Undergraduate

PSY 152 Psy of Violence & Aggression (3 credits)

PSY 196 Psychology AP Course Credit (3 credits)

PSY 200 Personality Psychology (3 credits)
What are the forces that make us who we are, and uniquely different from all others? Is it our unique genetic make-up, our familial environment, our neighborhoods and peers, our culture? This course examines and strives to integrate human personality from several levels of analysis: trait level, biological level, motivational level, environmental level including microenvironments (family) as well as macro environments (neighborhoods, culture), and cognitive level. Important psychological questions are built into this analysis, including the nature/nurture debate, conscious/unconscious processes, and free-will/determinism.
Prerequisites: PSY 100 or PSY 101
Attributes: Undergraduate
PSY 201 Biological Bases of Behavior (3 credits)
This is an introductory-level course exploring the relationship between human behavior and the functioning of the brain. Topics to be covered include research techniques in neuroscience, the structure and function of the peripheral and central nervous systems, the structure and function of nerve cells, the chemistry of the nervous system, and drug effects in the nervous system.
**Prerequisites:** PSY 100 or PSY 101 or PSY 196
**Attributes:** Undergraduate

PSY 205 Neuroscience Foundation (3 credits)
This course will introduce students to the diverse disciplines of the neurosciences, with an emphasis on methodologies and historical research and perspectives. Students will obtain an understanding of the anatomy of the central and peripheral nervous systems, with a specific focus on electrical and chemical cellular transmission, and the pharmacology of synaptic transmission. Note: This course is an elective that can also be used to satisfy the requirements of the Behavioral Neuroscience minor.
**Prerequisites:** (PSY 201 or BIO 101) and (PSY 101 or PSY 100)

PSY 206 Behavioral Neurosciences (3 credits)
In this advanced course, students will explore the neural and hormonal regulation of social behavior. Topics to be covered will include: sleep and other biological rhythms, neurological and psychiatric disorders, emotion, learning and memory, behavioral endocrinology, ingestive behavior, and reproductive behavior. Note: This course is an elective that can also be used to satisfy the requirements of the Behavioral Neuroscience minor.
**Prerequisites:** (PSY 101 or PSY 100) and (PSY 201 or BIO 101) and (PSY 205 or BIO 412) and PSY 340L (may be taken concurrently)
**Restrictions:** Enrollment is limited to students with a minor in Behavioral Neuroscience.

PSY 207 Cognitive Neuroscience (3 credits)
This course will introduce students to the emerging interdisciplinary field of cognitive neuroscience. Students will learn methodological and investigative techniques and strategies used in research in cognitive neuroscience. Students will be also exposed to current research in psychophysiology and neuroradiology that further understanding of behaviors such as attention, perception, learning and memory, language, reasoning, and consciousness. Note: This course is an elective that can also be used to satisfy the requirements of the Behavioral Neuroscience minor.
**Prerequisites:** PSY 100 or PSY 101 and PSY 361

PSY 208 Human/Animal Relations (3 credits)
Non-human animals play an integral part in lives of humans. This course will explore the important relationship between human and non-human animals. Topics to be covered include: the history of animal domestication, and the influence of animals on human culture and religion. Moreover, the ethical implications of human interactions with animals in the laboratory, in captivity, as livestock, and in the wild will be considered. Note: This course is an elective that can also be used to satisfy the requirements of the Animal Studies minor.
**Prerequisites:** PSY 100 or PSY 101

PSY 210 Research Methods (4 credits)
This course is an introduction to the techniques and methods of descriptive and inferential research as they are applied to psychological science. Topics include archival research, naturalistic observation, participant-observer research, clinical-case studies, correlational research, quasi-experimental designs, between- and within-subject experimental designs, and factorial-design research. Particular emphasis on ethical issues in psychological research is given.
**Prerequisites:** PSY 101 or PSY 100
**Attributes:** Undergraduate, Writing Intensive Course- GEP

PSY 211 Stats for the Social Sciences (4 credits)
This course is an introduction to the basic principles of statistical analyses, descriptive and inferential, that are used in the social sciences. Topics include measures of central tendency, variability, correlational analyses, regression, estimation, hypothesis testing, and selected parametric and non-parametric tests. Laboratory work will include the use of computer-based statistical packages to aid in analysis and interpretation of discipline-appropriate research data.
**Prerequisites:** PSY 100 or PSY 101
**Attributes:** Undergraduate

PSY 212 Multicultural Psychology (3 credits)
We live in a multicultural society that requires an appropriate understanding of cultural diversity. This course will provide students with a theoretical and practical understanding of the effects of culture on human thinking and behavior. The course considers current theories and research on culture, gender, race and ethnicity with the goal of better understanding the ways in which the multicultural context influences psychological processes. The aim of the course is to achieve a better appreciation of cultural groups and consideration of cultural issues in interpreting social experiences.
**Prerequisites:** PSY 100 or PSY 101
**Attributes:** Diversity Course (New GEP), Undergraduate

PSY 220 Sensation and Perception (3 credits)
The world around us abounds with all manner of sensory stimuli-visual, olfactory, auditory, tactile, and gustatory. This course will explore the manner in which we internalize this information and use it as knowledge about what is going on around us. Each of the senses will be considered from biological and phenomenological perspectives, and the process by which we derive meaning from sensory activity will be examined. Topics to be covered include object perception, visual attention, music and speech perception, somatosensory processing, taste preferences, and smell recognition.
**Prerequisites:** PSY 100 or PSY 101
**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
**Attributes:** Undergraduate

PSY 221 Animal Learning and Memory (3 credits)
Other than that which is genetically coded, everything we know is derived from and reflects memory for information that we have learned in the past. This course introduces the student to the scientific investigation of the basic processes of learning and memory. Topics of discussion will include the traditional theories, methodologies, and empirical findings of habituation and sensitization, classical conditioning, and instrumental conditioning. In addition, mechanisms of retention, sources of forgetting, and the biological basis of learning and memory processes will be considered.
**Prerequisites:** PSY 100 or PSY 101
**Restrictions:** Enrollment is limited to students with a major, minor, or concentration in Animal Studies, Psychology Five Year or Psychology.
**Attributes:** Undergraduate
PSY 221L Animal Learn & Memory Lab (1 credit)
This laboratory course is a co-requisite for PSY 221, Animal Learning and Memory. Prerequisites: PSY 100 or PSY 101, and PSY 200, PSY 201, PSY 210, and PSY 211. Co-requisite: PSY 221.
Prerequisites: (PSY 100 or PSY 101) and PSY 201 and PSY 210 and PSY 211

PSY 222 Neuropsychology (3 credits)
Neuropsychology will introduce students to understanding human brain/behavior relationships. Emphasis will be placed on commonly used approaches in assessing and measuring human behavior and how the human brain is responsible for cognition, language, memory, spatial processing, emotion, and personality. Students will gain an understanding of principles of brain organization, individual differences, and professional and clinical issues in neuropsychology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 223 Health Psychology (3 credits)
Health psychology is a field that incorporates many sub-disciplines of psychology with modern medicine. This course seeks to provide the student with an understanding of how social, psychological, and biological variables combine to cause illness, and how behavior and environments can be changed to promote health. One important focus of the course concerns understanding the nature of stress and the impact stress has on health.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 224 Drugs, Brain & Human Behavior (3 credits)
How do drugs affect consciousness and behavior? This course will examine the action of many different drugs, both medicinal and illicit, from biological, behavioral, and social perspectives. The relationship between alterations in behavior produced by drug administration and the changes that the drug produces in the functioning of the nervous system will be emphasized. Topics to be covered include routes of drug administration, drug absorption, transport and elimination, mechanisms of drug action, the histories of miscellaneous drugs, and the behavioral and biological activity of alcohol, nicotine, caffeine, the opiates, the hallucinogens, the antipsychotics, amphetamines, and cocaine.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 225 Comparative Animal Behavior (3 credits)
This course examines the evolution and development of animal behavior. Students will gain an understanding of the behavioral diversity and commonalities among animal species. An emphasis will be placed on comparing the characteristics of human behavior with those of other species, with special attention given to the cognitive capabilities of non-human animals.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 226 Psychology of Emotion (3 credits)
This course will introduce students to major theories and topics of the psychology and biology of emotion. Areas explored include the role of the brain and peripheral physiology in emotion, how emotion is expressed, the role of cognition, cultural differences, social aspects of emotion, development of emotions, and the role of emotion in health and psychopathology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 227 Cognitive Psychology (3 credits)
Cognitive psychology is the study of how the human mind processes information. Learning and organizing new information, remembering facts and events, recognizing objects, reading, using language, and problem solving are examples of cognitive tasks people perform every day. In this course you will learn about the mental processes underlying these tasks. Particular emphasis will be given to mental representations of information, computational models of mental processes, and applications of cognitive psychology.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 230 Social Psychology (3 credits)
The discipline of social psychology can be described as the study of the “power of the situation.” Although we like to think that our behavior and our attitudes are freely chosen by us, this course illuminates how powerful outside situational forces can be in shaping both. It involves the understanding of how people influence, and are influenced by, others around them; how we form impressions of others and of ourselves; what determines our attraction to others (or lack thereof); why we help one another, and why we hurt one another. In addition to a basic understanding of these phenomena, an equally important goal is to develop critical and integrative ways of thinking about theories and research in social psychology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 231 Developmental Psychology (3 credits)
This course examines the mechanisms that contribute to psychological growth and change throughout life. The goal of this course is to provide students with an understanding of the influence of biological, cognitive, emotional, social and cultural factors on development from infancy into adulthood. Theories of development and applications to real-world problems will provide a context for understanding how humans change during the life cycle. Lectures and discussions will interweave theory, methodology and research findings about how we develop and demonstrate our abilities to perceive, think, feel, remember, plan, and ultimately realize our potential as human beings. Note: This course is not open to students who have taken PSY 121.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Undergraduate
PSY 232 Advanced Abnormal Psychology (3 credits)
This course will provide an overview to the study of psychological disorders or abnormal behavior. Our current understanding of psychological disorders from biological, behavioral, cognitive, and psychodynamic perspectives will be presented. Attention will be given to the nature, causes, and course of various psychological disorders as well as treatment for specific disorders. Note: This course is restricted to Psychology majors. Others should instead take PSY 122, Abnormal Psychology. This course is not open to students who have already completed PSY 122. This course is a prerequisite for PSY 300 (Clinical Psychology) and PSY 301 (Psychological Assessment), both of which are required for the clinical concentration.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 233 Adulthood and Aging (3 credits)
Continuing demographic changes occurring globally as well as nationally have accelerated research in and theorizing about heretofore-neglected periods of human development. The ‘graying’ of the human population has accelerated interest in the topic of adulthood and aging at both the theoretical and empirical levels. This course will explore the adult experience using a life-span perspective and a contextual analysis including contributions from the fields of anthropology, biology, psychology, and sociology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 234 Psychology of the Self (3 credits)
This course has been designed to provide in-depth considerations of both classic and current issues regarding the self. As a concept, the self is consistently referred to in many fields of psychology. But what is the self and how is it represented? This course will consider the self from a social psychological perspective. Special focus will be on defining the self and identifying the influences that various aspects of the self have on our perceptions, emotions, and behavior.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 235 Psychology of Gender (3 credits)
This course will examine a wide variety of psychological issues concerning gender. Topics will include gender bias in research, theories of gender, gender typing, cultural emphases on gender differences, gender and the self-concept, and psychological phenomena unique to women's and men's experiences.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 236 Ethics in Psychology (3 credits)
Ethics and professional issues in clinical psychology will be addressed in this course. The focus will be on ethical principles as applied to psychological assessment and diagnosis, psychotherapy and clinical judgment, clinical research, and client-patient and student-teacher relationships. Case studies will be used to illustrate ethical and professional issues, as well as examples from clinical practice and modern media.
Prerequisites: (PSY 100 or PSY 101 or PSY 196) and PHL 154
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Ethics Intensive (New GEP), Undergraduate

PSY 237 Abnormal Child Psychology (3 credits)
This course will provide a comprehensive introduction to abnormal child psychology. Assessment, diagnosis, and treatment of children and adolescents will be discussed. Specific disorders covered will include attention-deficit/hyperactivity disorder, anxiety disorders of childhood, affective (mood) disorders, conduct disorder and other disruptive behavior disorders, learning disabilities, autism spectrum disorders, and sleep disorders.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 238 Social Development (3 credits)
Social development involves the ways that children grow and interact with others, including parents, peers, siblings and authority figures. This course will cover social development from infancy through adolescence. The course will cover the major theories of social development, as well as issues such as parenting styles, gender development, moral development, aggression and motivation.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.

PSY 239 Psychology of Media (3 credits)
Every one of us is exposed to, and thus influenced by, some aspect of the media. This course will examine some of the major aspects of the media, including 1) media content, with emphasis upon depictions of gender, age, race, sexuality, violence, advertising, and news, 2) effects of exposure to that content, and 3) who owns and thus controls the content of what we see, hear, and play. As a laboratory course, students will also engage in the full research process, from reviewing the scholarly work of others, formulating an original research hypothesis, testing that hypothesis, and drawing logical conclusions from the data.
Prerequisites: PSY 100 or PSY 101
PSY 300 Clinical Psychology (3 credits)
This is an advanced course that provides an overview of the field of clinical psychology. Students are expected to have taken Abnormal Psychology and are familiar with the various psychological disorders covered in that course. The primary goals of the Clinical Psychology course are to familiarize students with the history of clinical psychology as a field, including the roles in which clinical psychologists serve and settings in which they work, as well as current issues and debates in the field; provide a foundation in student’s understanding of the various theoretical orientations that guide how clinical psychologists approach their work; orient the student to the various types of assessments that are employed to aid in the treatment conceptualization; and help students clarify their own interests and approaches in the mental health field and mapping them to the client populations and presenting problems of interests and the appropriate graduate programs to suit their goals.
Prerequisites: PSY 100 or PSY 101 and PSY 232
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 301 Psychological Assessment (3 credits)
This course covers the theory, construction, use, and interpretation of the wide range of available psychological, neuropsychological, and educational tests. Tests of intellectual ability, academic achievement, industrial aptitude, and personality and clinical variables will be reviewed. Specific emphasis will be placed on reliability, validity, ethics, the utility of test measures, test administration, and interpretation and communication of test results.
Prerequisites: PSY 232
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 340L Behavioral Neuroscience Lab (3 credits)
In this lab, students will learn neuroscience research techniques and conduct a self-designed, semester-long research project exploring the consequences of brain lesion on behavior. Students are expected to learn aseptic surgical techniques and will conduct survival brain surgery on their research animal. Brains will be collected at the end of the semester for further analysis. Students gain valuable neuroscience experience, through this authentic laboratory course.
Restrictions: Enrollment is limited to students with a minor in Behavioral Neuroscience.

PSY 350 Experimential Psych Laboratory (3 credits)
This course will focus on the use of research design and statistical methodology as tools for answering research questions in the social and behavioral sciences. Students will learn to apply research design and statistical methodology in the development of research questions, the gathering of data, and the analysis and reporting of results. Students will gain a more applied and complete understanding of the research process, which will allow them to critically analyze published research and/or be able to conduct independent research. This course will also prepare students for more advanced Psychology coursework.
Prerequisites: PSY 210 and PSY 211

PSY 370 Adv Topics in Psych:Nat Sci I (3 credits)
This course will focus on a different topic in psychology from the perspective of the natural sciences each semester that it is scheduled. Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 371 Adv Topics in Psych:Nat Sci II (3 credits)
This course will focus on a different topic in psychology from the perspective of the natural sciences each semester that it is scheduled. Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 372 Adv Topics in Psych:Soc Sci I (3 credits)
This course will focus on a different topic in psychology from the perspective of the social sciences each semester that it is scheduled. Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 373 Adv Topics in Psych:Soc Sci II (3 credits)
This course will focus on a different topic in psychology from the perspective of the social sciences each semester that it is scheduled. Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 374 Independent Study I (3 credits)
The content of the Independent Study is negotiated between student and faculty mentor. The content cannot be that of an existing course in the curriculum unless that course will not be offered during the time that the student completes his or her program of study. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology.
Attributes: Undergraduate

PSY 375 Independent Study II (3 credits)
The content of the Independent Study is negotiated between student and faculty mentor. The content cannot be that of an existing course in the curriculum unless that course will not be offered during the time that the student completes his or her program of study. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology.
Attributes: Undergraduate

PSY 390 Internship I (3 credits)
Internship entails spending eight hours each week (for a total of 112 hours) at a site in which students’ work will be supervised and evaluated. Settings include clinical, clinical research, counseling, hospital, educational research, special education, correctional, and industrial facilities. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate
PSY 391 Internship II (3 credits)
Internship entails spending eight hours each week (for a total of 112 hours) at a site in which students' work will be supervised and evaluated. Settings include clinical, clinical research, counseling, hospital, educational research, special education, correctional, and industrial facilities. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 392 Independent Research I (3 credits)
Students are responsible for designing and conducting an original research project under the direction of a faculty mentor. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Attributes: Undergraduate

PSY 393 Independent Research II (3 credits)
Students are responsible for designing and conducting an original research project under the direction of a faculty mentor. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology.
Attributes: Undergraduate

PSY 491 Research Sem: Nat Sci, Psych I (3 credits)
This course will focus on a different topic in psychology from the perspective of the natural sciences each semester that it is scheduled. The semester’s topic will be treated in depth in a seminar format. Students will become familiar with research and theory in the area under study using primary source material. Students may also become involved in research projects in the area under study.
Prerequisites: PSY 200 and PSY 201 and PSY 210 and PSY 211 and (PSY 238L or PSY 239L)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 492 Research Sem: Nat Sci, Psych II (3 credits)
This course will focus on a different topic in psychology from the perspective of the social sciences each semester that it is scheduled. The semester’s topic will be treated in depth in a seminar format. Students will become familiar with research and theory in the area under study using primary source material. Students may also become involved in research projects in the area under study.
Prerequisites: PSY 320L or PSY 321L
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 551 Adv Research Methods & Stats I (4 credits)
This course will provide both a conceptual and practical understanding of advanced research methods and statistical methods for psychological data. Topics on research method will include: within- and between-subject experimental research, scale development, and validity/reliability. Topics on descriptive and inferential statistical procedures will include: analysis of variance (ANOVA), correlations, multiple regressions, power, and effect size. Students will learn to apply these statistical methods to the test of mediation and moderation models. Practical understanding of these techniques will be achieved through hands-on analysis of research questions using computerized statistical packages such as SPSS.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment limited to students in the MSPSYC program. Enrollment is limited to Graduate level students.

PSY 552 Adv Research Methods & Stats II (4 credits)
This course will address statistical procedures appropriate for the analysis of multivariate psychological data. Topics include simple and canonical correlation, linear and multiple regression techniques, discriminant analysis, analysis of covariance, multivariate analysis of variance, and factor analysis. Practical understanding of these techniques will be achieved through hands-on analysis of research questions using large sample data bases and computerized statistical packages such as SPSS.
Prerequisites: PSY 551
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 591 Directed Studies I (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the development of a proposal for a Master's thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology. Enrollment limited to students in the MSPSYC program.

PSY 592 Directed Studies II (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the development of a Master’s thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 610 Learning and Behavior (4 credits)
Presentation of major concepts and findings from research on basic learning processes and exploration of their implications for complex behavior. Basic processes include classical and operant conditioning, stimulus control, reinforcement, and aversive control. Complex behaviors include attention, memory, and dysfunctional behavior. The physiological basis of learning will also be explored.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
PSY 611 Adv Physiological Psychology (4 credits)
An examination of the biological foundations of human and animal behavior. The relationship between behavior and the anatomy and physiology of the nervous system will be emphasized, ranging from the cellular level to a consideration of whole neural systems whose activity supports behavior. Behaviors to be studied will extend from simple reflex arcs to the regulation of motivational states.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 612 Adv Sensory Processes (4 credits)
The manner in which different forms of stimulus energy in the environment are internalized by the organism will be considered in detail in this course. Visual, olfactory, gustatory, auditory, and tactile systems will be examined from biological and phenomenological perspectives. Also to be considered are theoretical issues such as how meaning and knowledge are derived from sensory stimulation.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 613 Psychopharmacology (4 credits)
An exploration of the mechanisms of action of psychoactive drugs. The manner in which drugs enter, distribute themselves throughout, and exit the body will be considered. The relationship between alterations in behavior produced by drug administration and the changes that the drug produces in the functioning of the nervous system will be emphasized. Topics to be covered include routes of drug administration, drug absorption, transport, and elimination, mechanisms of action, the histories of miscellaneous drugs, and the behavioral and biological activity of alcohol, nicotine, caffeine, the opiates, the hallucinogens, the antipsychotics, amphetamine, and cocaine.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 614 Cognitive Science (4 credits)
This course explores topics within the fields of cognitive psychology, cognitive science, and cognitive neuroscience. The course focuses on how humans make sense of our experiences. In particular, we will learn about how the human brain extracts information from the environment and how that information gets processed, represented, stored, and retrieved. Particular attention will be paid to the following topics: perception, attention, memory, imagery, intelligence, problem solving, creativity, robotics, and artificial intelligence.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 615 Health Psychology (4 credits)
The course in health psychology will provide students with a basic understanding of the involvement of psychology in the fields of medicine and health care. A general overview of psychological and physiological factors that influence disease and disorders, prevention strategies, and psychologically based interventions will be presented. In addition, topics such as stress and disease, coping with illness and pain, compliance, and positive health behavior will be discussed. The theoretical emphasis of the course will be on a bio psychosocial perspective.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology. Enrollment limited to students in the MSPSYC program. Enrollment is limited to Graduate level students.

PSY 616 Principles of Neuropsychology (4 credits)
Principles of Neuropsychology will introduce students to the current state of the field and to recognized and commonly used approaches in the clinical understanding of human brain-behavior relationships. Emphasis will be placed on how the neurological substrate of the human brain governs and influences cognition; biological bases of language, memory, spatial processing, and emotion; principles of brain organization, localization of function and individual differences; and professional and clinical issues.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology. Enrollment is limited to Graduate level students.

PSY 617 Memory Organization & Retrieval (4 credits)
This course examines a variety of issues in memory theory and research. Topics include models of memory, the effects of development and aging on memory, the relation between encoding and retrieval contexts, various sources of forgetting, amnesias, and the neurobiology of memory.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 618 Comparative Psychology (4 credits)
Comparative psychology examines the evolution and development of animal behavior. In this course, students explore the similarities and differences in the behavior and mental processes among species, with special emphasis placed on comparing the characteristics of human behavior with those of other animals.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 620 Hormones, Brain and Behavior (4 credits)
This course provides a survey of research on the relationship between the brain, hormones and social behavior (behavioral neuroendocrinology) in a wide range of species. Topics may include, but are not limited to, reproductive behavior, parental behavior, aggression, stress, sex-differences, learning and memory.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 621 Systems Neuroscience (4 credits)
This course provides an in-depth exploration of the anatomy and physiology of the nervous system. We will cover the neuroanatomy of the major subdivisions of the human brain, the major sensory and motor systems, and higher order functions.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 650 Gerontology (4 credits)
The purpose of this course is to provide both a general introduction to the multi-disciplinary field of gerontology and a specific focus on those aspects of aging that have been of particular interest to biologists and psychologists. Additionally, attention will be given to the effects aging changes have on the functioning and well-being of older adults.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
PSY 651 Adv Psychopathology (4 credits)
This course will introduce students to the current state of knowledge in the field of psychopathology, beginning with the major theoretical approaches that contribute to our understanding of abnormal behavior. In addition, this course will integrate developmental psychopathology, social psychology, and health psychology in enhancing our understanding of the etiology and course of psychopathology. Specific emphasis will be placed on examining some of the important current research issues in psychopathology, including why major depression is more prevalent among women, the linkage between autism and childhood vaccinations, and the efficacy of community-based prevention programs.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 652 Assessment and Evaluation (4 credits)
The assessment and evaluation course will introduce students to various approaches and techniques in the assessment and evaluation of healthy individuals and clinical populations. Areas to be covered will include interviewing, behavioral observation, behavioral assessment, personality assessment, aptitude testing, cognitive assessment, neuropsychological assessment, and the reliability and validity of tests and measurements. An emphasis will be placed on the administration and interpretation of questionnaires, standardized and nontraditional tests and test batteries using real-life examples.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 653 Behavioral Medicine (4 credits)
The purpose of the course in behavioral medicine will be to apply theories, techniques, and principles learned in health psychology to clinical populations. Coverage will include selected medical and psychophysiological diseases and syndromes (e.g., cardiovascular, stress disorders, chronic illnesses), psychological sequelae, and specific intervention strategies.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 654 Developmental Psychology (4 credits)
This course reviews major theoretical perspectives and contemporary research in the field of developmental psychology. The course will examine how development in various domains (e.g., emotional, social, and cognitive) is influenced by the contexts in which development takes place (e.g., family, school, neighborhood, socioeconomic context, culture) as well as the child’s active constual of the world. Particular attention will be paid to development from birth through adolescence.
Restrictions: Enrollment limited to students in the MSPSYC program. Enrollment is limited to Graduate level students.

PSY 655 Personality and Motivation (4 credits)
PSY 656 Social Cognition (4 credits)
Social cognition is the study of the ways in which we process social information—both accurately and inaccurately—and how that information processing determines our perceptions of, and behavior within, a complex social world. Many times we are unaware of just what had influenced us, and this course will illuminate some of those external influences. Automatic and controlled processing of information, social schemas, mental short-cuts to decision-making, attitude formation and change, social stereotypes, the development of our self-concept, and person perception are a few of the many topics covered.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
PSY 691 Master’s Research I (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the completion of a proposal for a Master’s thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 692 Master’s Research II (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the completion of a Master’s thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

Psychological Studies
Donald S. Leitner, Ph.D., Chair
Clare Conry-Murray, Ph.D., Program Director

Program Overview
The Department of Psychology offers a major in Psychological Studies emphasizing the manner in which psychological principles can be applied to our personal and professional lives. This curriculum has practical implications for our personal relationships, family lives, physical and mental health, success as leaders in our community and business, and our own personal growth. It can help us understand and deal with the difficult pressures we experience in contemporary life from violence, drugs, and exploitation.

Learning Goals and Objectives for the Psychological Studies Program

Goal 1: Knowledge Base in Psychology

Objective 1.1: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in Psychology as a social science.

Objective 1.2: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology as a natural science.

Goal 2: Scientific Inquiry and Critical Thinking

Objective 2.1: Students will be able to understand and apply basic research design and data analysis strategies.

Goal 3: Ethical and Social Responsibility in a Diverse World

Objective 3.1: Students will understand ethical psychological principles and diversity, appreciate ethical behavior, and reflect other values that are the underpinnings of Psychology as a discipline.

Students admitted prior to Summer 2016 entered under the curriculum requirements for the Bachelor of Science in Psychology. Please see the SJU Academic Catalog for your admit year for additional information.

General Education Program Courses
(See Curricula (https://academiccatalog.sju.edu/arts-sciences/professional-liberal-studies-gep))

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GEP Integrative Learning Component
Two Courses

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<tr>
<td>or SOC 102</td>
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Any other nn PSY course in the College of Arts and Sciences

Major Concentration

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<tr>
<td>or PSY 120</td>
<td>Lifespan Development</td>
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<tr>
<td>PSY 201</td>
<td>Biological Bases of Behavior</td>
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<td>PSY 210</td>
<td>Research Methods</td>
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<td>PSY 211</td>
<td>Stats for the Social Sciences</td>
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<td>PSY 212</td>
<td>Multicultural Psychology</td>
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<tr>
<td>or PSY 126</td>
<td>Psychology of Culture</td>
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Electives
Select four PSY electives 12

PLS students may also pursue a minor in psychology. For minor requirements, please see the undergraduate day Psychology section of the catalog and/or contact Dr. Clare Conry-Murray (cconrymu@sju.edu).

Psychology M.S.
Graduate Arts and Sciences
Jodi A. Mindell, Ph.D., Director
Graduate Psychology Program
Post 223
610-660-1806
jmindell@sju.edu

Program Description
The Saint Joseph’s University graduate program in psychology offers students a general curriculum of study emphasizing experimental psychology. The program is designed to complement the strengths and interests of the present psychology faculty and facilities and reflects the current state of the discipline of psychology. It consists of a traditional and academically oriented forty-eight credit curriculum and requires the successful completion of a qualifying comprehensive examination and an empirical thesis project. The program is designed for successful completion over two academic years. Additionally, a five-year combined Bachelor/Master of Science degree is offered.

Admission Requirements and Procedures
Students are required to have completed a bachelor’s degree with either a major or minor in psychology. For those students without a psychology major/minor, a minimum of twelve undergraduate credits in psychology (including courses in Introductory Psychology, Research Methods, and Statistics) must be completed.

Applicants should submit or have sent to the Office of Graduate Operations the following:

• a completed Saint Joseph’s University graduate application.
• Official sealed transcript(s) of undergraduate and graduate coursework. If you are an SJU graduate the Office of Graduate Operations will obtain your SJU transcripts for you.
• a current résumé or curriculum vitae
• two letters of recommendation from at least two faculty appraising the candidate’s promise and capacity for graduate study, reflecting, from a professional’s point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level.
• a personal statement outlining the candidate’s professional goals and educational objectives for the program, including the applicant’s rationale for program choice and professional study.
• General GRE scores.
• $35 application fee – waived if attended an Open House or are a SJU graduate.

All application materials are due by March 1st. Students with an undergraduate GPA below 3.25 may be admitted on a probationary basis. A non-refundable deposit equivalent to one graduate credit, which is applied to tuition, is required upon the student’s acceptance of admission.

Undergraduate psychology majors at Saint Joseph’s apply for the five-year combined BS/MS program by March 1st of their junior year. These undergraduate applicants will be asked to submit:
• a completed Saint Joseph's University online graduate application, www.sju.edu/gradapplynow.
• a current resume or curriculum vitae.
• two letters of recommendation from at least two faculty appraising the candidate’s promise and capacity for graduate study, reflecting, from a professional’s point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level.
• Acceptance into the five-year program will not affect the Core Component or the University Distribution Requirement of the General Educational Requirement.

Financial Aid
Financial aid in the form of a graduate research assistantship stipend is awarded on the basis of merit for students in their second year of graduate study. Other forms of financial assistance are also available through the Office of Hawk Central.

Academic Dismissal
Students enrolled in the graduate psychology program who receive 2 grades of C+ or below will be dismissed from the degree program. Students who receive a grade of C+ or below in any of the Common Core Courses (i.e., PSY 551, PSY 552) must repeat the course and receive a grade of B- or higher.

It is anticipated that students will complete the graduate psychology program in two academic years. Students who do not complete the program by the end of their second year of enrollment may at their request have their enrollment in the program extended by one academic year. In order to obtain an extension, a student must request one in writing in a letter to the director of the graduate psychology program before the end of the student’s second year of study. Failure to complete the requirements of the program by the end of this additional year will result in dismissal from the program.

If due to unforeseen circumstances a student anticipates that he/she will not complete the requirements of the program before the end of the additional year, the student may apply for a one-time extension of the deadline. The student must request the extension in writing before the end of the additional year in a letter to the director of the graduate psychology program. The letter must be co-signed by the faculty member supervising the Master’s thesis research of the student. The letter must include a date by which the student will have completed the requirements of the program. This completion date must be within 180 days of the last day of the additional year. Failure to complete the requirements of the program by the date specified in the letter requesting the extension will result in the student’s dismissal from the program.

A continuing enrollment fee will be charged for each semester or portion thereof that a student remains enrolled in the graduate psychology program beyond two academic years from the time of initial enrollment.

Program Structure and Curriculum
The curriculum is composed of three major components: an eight-credit Common Core required of all students; twenty-four credits of content courses, and a sixteen-credit Research Component in which students complete the comprehensive examination and research thesis.

The graduate psychology program is a full-time course of study. Classes are primarily scheduled on weekday afternoons. Students are expected to attend these classes regularly. Attendance is also required at colloquia, lab meetings, and other functions of the Department of Psychology. In addition, students are expected to have time available during weekdays to conduct scientific research.

The comprehensive examination is taken by students during the second year. Students are eligible to sit for the exam if they have submitted an acceptable draft of their thesis proposal. The examination is scored as a 3 (superior), 2 (acceptable), or 1 (failure). A student must achieve a total score of 2 or higher to pass the comprehensive examination. If the student fails, remediation must be completed by May 15th of that year. No student is permitted to fail the examination more than once. Failure to pass or complete the comprehensive examination terminates further graduate study. Completion of the thesis must occur within two years following the completion of the comprehensive examination.

Learning Goals and Objectives

Goal 1: Students will gain fundamental knowledge and comprehension of experimental psychology.

Goal 2: Students will engage in scientific inquiry and develop critical thinking.

Goal 3: Students will develop communication skills.

Learning Objectives:

Upon completion of the curriculum in the graduate program in experimental psychology, students will:

Objective 1: Demonstrate fundamental knowledge and comprehension of experimental psychology, with an emphasis on experimental methods and statistical applications.

Objective 2: Develop scientific reasoning and problem solving skills, including effective research methods and the ability to interpret, design, and conduct psychological research.
Objective 3: Demonstrate competence in writing and in oral and interpersonal communication skills. Students should be able to write a cogent scientific argument, present information using a scientific approach, engage in discussion of psychological concepts, and express their own ideas with clarity.

Objective 4: Produce research and explain scientific results.

M.S. Degree in Psychology—Curriculum

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PSY 551</td>
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II. Content Courses

Select six of the following: 24

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<tbody>
<tr>
<td>PSY 610</td>
<td>Learning and Behavior</td>
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<tr>
<td>PSY 611</td>
<td>Adv Physiological Psychology</td>
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<td>PSY 612</td>
<td>Adv Sensory Processes</td>
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<td>PSY 613</td>
<td>Psychopharmacology</td>
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<td>PSY 614</td>
<td>Cognitive Science</td>
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<td>PSY 615</td>
<td>Health Psychology</td>
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<td>PSY 616</td>
<td>Principles of Neuropsychology</td>
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<td>PSY 617</td>
<td>Memory Organization &amp; Retrieval</td>
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<td>Adv Psychopathology</td>
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<td>Adv. Child Psychopathology</td>
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<td>Ethics in Psychology</td>
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<td>Cross-Cultural Psychology</td>
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<td>PSY 662</td>
<td>The Nature of Emotion</td>
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<td>PSY 664</td>
<td>Psychology and the Law</td>
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III. Research Component

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Two-Year Course Sequence

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<td>PSY 551</td>
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Spring

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Second Year

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Spring

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Five-Year B.S./M.S. Sequence

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<td>PSY 551</td>
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Fifth Year

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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 6XX: Content Course IX</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PSY 6XX: Content Course X</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PSY 691</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 6XX: Content Course XI</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PSY 6XX: Content Course XII</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PSY 692</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Total Hours 64
Psychology Major

Learning Goals and Objectives

Goal 1: Knowledge Base in Psychology. Students will develop an understanding of the major concepts, theoretical perspectives, empirical findings, and historical trends in Psychology.

Objective 1.1: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in Psychology as a social science.

Objective 1.2: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology as a natural science.

Goal 2: Scientific Inquiry and Critical Thinking. Students will develop scientific reasoning and problem solving skills. They will be able to understand and apply basic research methodology in psychology, including research design, data analysis, and interpretation.

Objective 2.1: Students will be able to understand and apply basic research design strategies.

Objective 2.2: Students will be able to understand and apply basic data analysis strategies.

Goal 3: Ethical and Social Responsibility in a Diverse World. Students will develop an understanding of ethically and socially responsible behaviors in professional and personal settings in a landscape of increasing diversity.

Objective 3.1: Students will understand and apply ethical psychological principles.

Objective 3.2: Students will be able to understand diversity, appreciate ethical behavior, and reflect other values that are the underpinnings of Psychology as a discipline.

Goal 4: Communication. Students will demonstrate competence in written and oral communication skills.

Objective 4.1: Students will demonstrate competence in written communication.

Objective 4.2: Students will demonstrate competence in oral communication.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

- Art, Music/Theatre/Film, or Literature
- Non-Native Language
- Philosophical Anthropology
- Religious Difference
- Mathematics:
  - Any Math ‘Beauty’ course
- Natural Science:
  - Two non-lab courses, or one science course with lab to fulfill this requirement.

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

- A social science course offered by the Department of Sociology, Political Science or Economics.
- Any two courses selected from the College of Arts and Sciences Day Division course offerings.

GEP Electives

Psychology majors will take between 10 and 14 free electives depending upon whether a student enters the University with AP credit.

Major Requirements

Major Concentration

Thirteen courses are required, including an experiential course. Eleven courses are required if students use an acceptable Psychology special elective to fulfill their experiential requirement, or if they use a study abroad course or a service-learning course to fulfill their experiential requirement. The experiential course does not have to be a course offered by the Psychology Department.

Psychology Breadth Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 101</td>
<td>Intro Psychology Seminar</td>
<td></td>
</tr>
<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 231</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 201</td>
<td>Biological Bases of Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Multicultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220-227: Natural Science-Based Psychology Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 230-239: Social Science-Based Psych Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 220-239: Any Psychology Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one from the following for Special Psychology Elective:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 205-208</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 220-239</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 390-392</td>
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</tbody>
</table>
Psychology Research Sequence

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 210</td>
<td>Research Methods</td>
<td>4</td>
</tr>
<tr>
<td>PSY 211</td>
<td>Stats for the Social Sciences</td>
<td>4</td>
</tr>
<tr>
<td>PSY 350</td>
<td>Expiremental Psych Laboratory</td>
<td>3</td>
</tr>
</tbody>
</table>

One of the following Captstone Research Seminars:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 491</td>
<td>Rsrch Sem: Nat Sci, Psych I</td>
</tr>
<tr>
<td>PSY 492</td>
<td>Research Sem:Nat Sci, Psych II</td>
</tr>
<tr>
<td>PSY 493</td>
<td>Research Sem: Soc Sci, Psych I</td>
</tr>
<tr>
<td>PSY 494</td>
<td>Research Sem:Soc Sci, Psych II</td>
</tr>
</tbody>
</table>

Experiential Requirement

Psychology majors must satisfy an experiential course requirement. This requirement can be satisfied in a number of ways, and with either a Psychology course or a course offered by another academic department. Students must complete one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 390/391</td>
<td>Internship I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 374/375</td>
<td>Independent Study I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 392/393</td>
<td>Independent Research I</td>
<td>3</td>
</tr>
<tr>
<td>Any Service Learning course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any Study Abroad/Tour program/course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 591</td>
<td>Directed Studies I ¹</td>
<td>4</td>
</tr>
</tbody>
</table>

¹ Only for students in the 5 year combined BS/MS program

Independent Study

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 374/375</td>
<td>Independent Study I</td>
<td>3</td>
</tr>
</tbody>
</table>

The content of the Independent Study is negotiated between student and faculty mentor. The content cannot be that of an existing course in the curriculum unless that course will not be offered during the time that the student completes his or her program of study.

Independent Research

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 392/393</td>
<td>Independent Research I</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are responsible for designing and conducting an original research project under the direction of a faculty mentor.

Internship

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 390/391</td>
<td>Internship I</td>
<td>3</td>
</tr>
</tbody>
</table>

Internship entails spending eight hours each week in a supervised field experience. Settings include clinical, clinical research, counseling, hospital, educational research, special education, correctional, and industrial facilities. Site locations of recent internships have included the following:

- Fox Chase Cancer Center
- Women Organized Against Rape
- North Light Community Center
- Center for the Treatment of Anxiety
- Delaware County DA Office Inglis House
- Overbrook School for the Blind, Elwyn
- Children’s Hospital of Pennsylvania
- Center for Autistic Children
- Beck Institute for Cognitive Behavior Therapy
- Saunders House
- Comcast-Spectator HERS Foundation

Dr. Phyllis Anastasio (Post Hall 221, panastas@sju.edu) oversees the internship course for the Psychology Department.

Service-Learning

Service Learning courses combine traditional academic coursework with community-based service experience, consistent with the Jesuit tradition and mission of SJU. Students spend three hours per week in service at specified sites relevant to coursework. Over 15 departments/programs offer periodic service-learning courses, including psychology. These courses are highlighted in the course schedules prepared by the Registrar.

Study Tours

Study Tours are designed to provide students with a brief immersion experience relevant to coursework. These courses are highlighted in course schedules.

Study Abroad

Study Abroad opportunities are made available through the Center for International Programs. Currently, SJU students have opportunities to study at 24 locations in 13 countries. For more information, see http://www.sju.edu/cip/studyabroad or contact the study abroad office at cip@sju.edu, or ext. 1835.

Free Electives

Psychology majors have seven to ten free electives (depending upon how Foreign Language, Social Sciences, and Experiential requirements are met). There are no restrictions on these elective courses other than ordinary prerequisites. Students may elect to take additional Psychology courses, or may use these electives to fulfill the requirements of a minor in another related discipline.

Clinical Psychology Concentration

The Department of Psychology offers a clinical concentration of courses in support of those Saint Joseph’s Psychology majors who are interested in pursuing careers in clinical psychology, counseling psychology, and related mental health fields. Psychology majors are eligible to take an additional sequencing of courses to gain greater understanding of the field of clinical psychology. The goals of the clinical concentration are:

- To ensure that students take additional courses required by graduate programs in clinical psychology (e.g., Developmental Psychology and Abnormal Psychology).
- To help students better understand the field of clinical psychology and to make informed choices on fit with various types of graduate programs (e.g., social work vs. clinical psychology vs. health psychology) and the type of theoretical orientation the various types of programs provide (e.g., psychodynamic, cognitive-behavioral, socio-cultural).
• To encourage students to gain some exposure to the clinical psychology profession (e.g., to the tasks clinicians perform and/or to special populations with whom they work).

Completion of all six courses listed below is required to earn the designation of 'Clinical Concentration' on a student’s transcript.

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 231</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 232</td>
<td>Advanced Abnormal Psychology (prerequisite for PSY 300 and PSY 301)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 300</td>
<td>Clinical Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 301</td>
<td>Psychological Assessment</td>
<td>3</td>
</tr>
<tr>
<td>PSY 390</td>
<td>Internship I</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Of these courses, up to and no more than three may also count towards the elective requirement of the Psychology major requirements.

The Five-Year Combined B.S./M.S. in Psychology Option

Saint Joseph’s University combined B.S./M.S. program in Psychology offers students a general curriculum of study emphasizing experimental psychology. The program, which is designed to complement the strengths and interests of the present Psychology faculty, also reflects the current state of the discipline of psychology. The program offers a traditional and academically oriented forty-eight credit curriculum and requires a qualifying comprehensive examination and an empirical thesis project. This unique program is designed for successful completion over five academic years.

Undergraduate psychology majors at Saint Joseph’s apply for the five-year combined B.S./M.S. program following the completion of the first semester of the junior year. All applicants will be asked to submit:

• A completed Saint Joseph’s University graduate application.
• Official sealed transcript(s) of undergraduate/graduate coursework. If you are an SJU graduate the Office of Graduate Operations will obtain your SJU transcripts for you.
• A current résumé or curriculum vitae.
• Two letters of recommendation from at least two faculty appraising the candidate’s promise and capacity for graduate study, reflecting, from a professional’s point of view, the candidate’s ability to pursue a rigorous, independent course of study at the graduate level.
• The Psychology graduate application insert.

All application materials are due by March 1st. Acceptance into the five-year program will not affect the GEP requirements. For more information, contact the Graduate Arts and Sciences Office or the Department of Psychology or Dr. Jodi Mindell, Director of Psychology’s Graduate Programs. Dr. Mindell may be reached at 610.660.1806 or at jmindell@sju.edu.

Requirements For General Honors

Faculty of the Psychology Department encourage students to participate in the Honors program.

A student seeking General Honors will need to complete an individual, independent, in-depth project in each of two of the Department’s four Research Seminar capstone courses [PSY 491, PSY 492, 493, and 494], instead of the group project that is required of other students in each course. A minimum grade of ‘B’ is required in each of these two courses for General Honors.

Alternatively, a student seeking General Honors will need to complete two semesters of supervised research by enrolling in PSY 392 [Independent Research I] and PSY 393 [Independent Research II]. For this option, the student will need to identify a member of the Psychology faculty who would be willing to serve as a mentor and oversee the project for two semesters, in advance of registering for the courses. A minimum grade of ‘B’ is required in each of these two courses for General Honors.

Requirements for departmental honors are found under Honors Program and in the brochure published annually by the Director of the Honors Program

Requirements for Psi Chi, the International Honor Society in Psychology

Saint Joseph’s University maintains an active chapter of Psi Chi (ΨΧ), the International Honor Society in Psychology. The purpose of Psi Chi is to encourage, stimulate, and maintain excellence in scholarship, and to advance the science of Psychology. Membership in Psi Chi is open to all students who meet the following minimum qualifications:

• Registration for major or minor standing in Psychology.
• A rank in the upper 35% of their graduating class in general scholarship.
• Completion of the following courses:
  • Introductory Psychology (either PSY 100 or PSY 101)
  • Research Methods (PSY 210)
  • Statistics for the Social Sciences (PSY 211)
  • At least one other Psychology course
• A cumulative GPA not lower than 3.2 in all Psychology classes, as well as in overall cumulative grades.
• Two-thirds affirmative vote of those members present at a regular meeting of the chapter.
• High standards of personal behavior.
• Approval of the International Psi Chi office.

This course will focus on a different topic in psychology from the perspective of the natural sciences each semester that it is scheduled. The semester’s topic will be treated in depth in a seminar format. Students will become familiar with research and theory in the area under study using primary source material. Students may also become involved in research projects in the area under study.

Psychology Minor

Learning Goals and Objectives

Goal 1: Knowledge Base in Psychology. Students will develop an understanding of the major concepts, theoretical perspectives, empirical findings, and historical trends in Psychology.

Objective 1.1: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in Psychology as a social science.
Objective 1.2: Students will demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology as a natural science.

Goal 2: Scientific Inquiry and Critical Thinking. Students will develop scientific reasoning and problem solving skills. They will be able to understand and apply basic research methodology in psychology, including research design, data analysis, and interpretation.

Objective 2.1: Students will be able to understand and apply basic research design strategies.

Objective 2.2: Students will be able to understand and apply basic data analysis strategies.

Goal 3: Ethical and Social Responsibility in a Diverse World. Students will develop an understanding of ethically and socially responsible behaviors in professional and personal settings in a landscape of increasing diversity.

Objective 3.1: Students will understand and apply ethical psychological principles.

Objective 3.2: Students will be able to understand diversity, appreciate ethical behavior, and reflect other values that are the underpinnings of Psychology as a discipline.

Goal 4: Communication. Students will demonstrate competence in written and oral communication skills.

Objective 4.1: Students will demonstrate competence in written communication.

Objective 4.2: Students will demonstrate competence in oral communication.

Completing a Psychology minor requires six courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 101</td>
<td>Intro Psychology Seminar</td>
<td></td>
</tr>
<tr>
<td>PSY 120</td>
<td>Lifespan Development ¹</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 200</td>
<td>Personality Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 201</td>
<td>Biological Bases of Behavior ¹</td>
<td>3</td>
</tr>
</tbody>
</table>
| Select three additional courses from the following: &nbsp;&n

Psychology minors are strongly advised to take the first three courses first, BEFORE taking the three additional 200-level psychology electives. PSY 210 may be substituted for PSY 120, PSY 200, or PSY 201.

The academic advisor for minors is the departmental Advising Coordinator, Dr. Josephine Shih (225 Post Hall, jshih@sju.edu). You can schedule an appointment to declare the psychology minor with her via www.shih.simplybook.me (http://www.shih.simplybook.me).
SOCIOLOGY

Professor: Raquel Kennedy Bergen, Ph.D.
Associate: Dr. Keith Brown; Kim Logio, Ph.D.; Susan Clampet-Lundquist, Ph.D.
Assistant: Christopher E. Kelly, Ph.D.; Marybeth Ayella, Ph.D.; Melissa A. Logue, Ph.D.; Robert Moore, Ph.D.
Visiting: Kelly Kates McElrath, Ph.D.; Tia Noelle Pratt, Ph.D. Chunrye Kim, Ph.D.

Chair: Logio

Undergraduate Major
• Sociology (p. 431)

Undergraduate Minor
• Sociology (p. 432)

SOC N001 Non-Credit Adv Top Forensic Sc (1 credit)
SOC N002 Non-Credit Conflict Resolution (1 credit)
SOC N003 Non-Credit Bldg Trad Labor Law (1 credit)
SOC N004 Non-Credit Grievance&Arbitratio (1 credit)
SOC N005 Non-Credit - Public Relations (1 credit)
SOC N006 Non-Credit - Occupat Hlth & Sa (1 credit)
SOC N007 Non-Credit - Pub Sec Labor Law (1 credit)
SOC N008 Non-Credit Survey Labor Law (1 credit)
SOC N009 Non-Credit - Negotiations (1 credit)
SOC N010 Non-Credit Art&Skill Labr Lead (1 credit)
SOC N011 Non-Credit - Labor History (1 credit)
SOC N012 Non-Credit - Health & Safety (1 credit)
SOC N013 Non-Credit-Adv Top Forensic Sc (1 credit)
SOC N014 Non-Credit - Workers Comp (1 credit)
SOC N015 Non-Credit-Art & Sci Cont Camp (1 credit)
SOC N016 Non-Credit-Global Labor Trends (1 credit)
SOC N017 Non-Credit - Adv Labor History (1 credit)
SOC N018 Non-Credit-Occu's Lessons (1 credit)
SOC N019 Non-Credit-Legends of Labor (1 credit)
SOC 10SA SA Topic:Study Abroad (3-4 credits)
SOC 20SA SA Topic:Study Abroad (3-4 credits)
SOC 101 Intro to Sociology (3 credits)
Introduction to the scientific approach to the study of society, including the study of social structures; studies such topics as how we acquire self-identity, gender, our behavior in groups, bureaucracies, stereotyping, the role of the state, survey research, culture, and collective behavior. Satisfies Social Science GER. Satisfies Diversity GEP. Satisfies Globalization GEP.
Attributes: Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 102 Social Problems (3 credits)
A sociological analysis of contemporary social issues including economic crises, concentration of wealth, poverty, crime, sexism, race and ethnic relations, mental illness, population growth, war and peace, and relations with other countries. Satisfies Social Science GER. Satisfies Diversity GEP. Satisfies Gender Studies minor.
Attributes: Diversity Course (New GEP), Gender Studies Course, GEP Social Science, Undergraduate

SOC 140 Wage Gap Seminar-Gender Series (3 credits)
This course focuses on evaluating and discussing quantitative and qualitative literature to understand issues surrounding gender based wage disparities and its impact upon women in the labor market.
Students will not only focus on examining long-term trends in the gender pay gap but also focus on the impact of the education, employment policies, state and federal laws/regulations in ensuring economic wellbeing. This seminar is ideal opportunity for anyone interested in researching and reporting on gender based equality issues.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Adult Learning Seminar, Undergraduate

SOC 150 First Year Seminar (3 credits)
This service learning, freshman seminar course examines the most significant contemporary social problems in our culture. Issues are examined from a sociological perspective that is enhanced by students’ work at service sites. This is the second part of a 2 semester course sequence for first year students. Pre-requisite is SOC 102 Service Learning/Freshman Seminar.
Attributes: First-Year Seminar, Undergraduate

SOC 170 Special Topics in Sociology (3 credits)

SOC 201 Schools in Society (3 credits)

SOC 202 Adv Stud of Soc Prob FS & SL (3 credits)

SOC 204 Cultural Anthropology (3 credits)

SOC 205 Ethnic & Minority Relations (3 credits)
This course provides an analysis of relationships between dominant and minority groups, with a particular focus on ethnic and racial stratification in the U.S. As part of this discussion, we focus on intersecting statuses that shape the outcomes of individuals and groups experiences, including their interactions with each other and social institutions. While the course largely focuses on issues of race/ethnicity, we will also address other forms of minority-dominant group relations, such as sexual orientation, social class, and gender, as the intersectionality of statuses is important in any attempt to gain a better understanding of all these types of relationships. We begin the course by addressing the issue of race as a social construct rather than a biological fact, but a construction that carries very real consequences. We then shift to a focus on prejudice, stereotypes, and discrimination, with particular attention on how they serve to create, sustain, and reproduce oppression and inequalities. We then examine how privileged statuses, particularly white privilege serve to marginalize nonwhites and the damaging paradox of this privilege for economically disenfranchised whites. We conclude the course by addressing the future of race and racism in the 21st century, such as colorblind racism, and the implications for coalition building across racial/ethnic lines. Satisfies Diversity GEP and Criminal Justice requirement.
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 106 Africana Studies (3 credits)
Serves as the introduction to the Africana Studies Program and as a general introduction to the study of African and African American history and culture. This course provides a comprehensive overview of the historical, political, social, and economic experiences of African and African American peoples. It examines the impact of slavery, colonialism, and post-colonialism on African and African American societies, as well as the role of African and African American peoples in shaping the modern world. This course satisfies the Africana Studies requirement.
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Social Science, Undergraduate
SOC 206 Theories of Crime (3 credits)
The goal of this course is to examine the current state of criminological theory. It examines the efforts of criminologists in various academic disciplines to explain the cause of crime. Traditional theories will also be discussed. Criminal Justice elective.
Prerequisites: SOC 101 and SOC 102 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 207 Juvenile Justice (3 credits)
A study of delinquency and its causes, with attention to both social-psychological and structural-theoretical frameworks. Criminal Justice elective. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 208 Sociology of Gender (3 credits)
The study of the learned patterns of behavior of males and females in the United States and cross-culturally; topics include hormonal and sex differences, gender socialization, the contemporary women’s movement; special emphasis is placed upon the connection of sexism, racism, and class inequality. Satisfies Diversity GEP. Satisfies Gender Studies Minor requirements. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 209 Sociology of Intimate Relations (3 credits)
Examines family life in the United States, its cross-cultural and historical antecedents; current changes and family process, including courtship and marriage in contemporary society. Satisfies Gender Studies minor, GEP Social Science, Sociology (not CJ) elective.
Attributes: GEP Social Science, Undergraduate

SOC 210 African-American Catholicism (3 credits)
A sociological analysis of religion is as old as sociology itself, and race is one of the key themes in sociology. This course will combine the two themes by using a sociological lens to study African-American Catholicism. We will begin by examining theoretical perspectives that can then be used to study Black American Catholicism. We will use these theoretical perspectives to examine several key works by historians, theologians, and the United States Conference of Catholic Bishops that tell the story of African-American Catholics in the United States. Satisfies Africana Studies requirement, GEP SS.
Attributes: Diversity Course (New GEP), GEP Social Science

SOC 211 Classical Sociological Theory (3 credits)

SOC 214 Sociology of Youth (3 credits)

SOC 216 Alcohol, Drugs & Society (3 credits)
This course explores a sociological approach to substance use and its impact on contemporary American society. What social factors such as gender, race, and class shape substance use? How do major social institutions such as criminal justice, education, and health care deal with substance use? What public policies and programs exist to regulate substance use, and how well do they work? Examples of topics discussed include women and substance use, college student binge drinking, substance use on the national agenda, and the community impact of crack cocaine. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 217 Mental Health & Society (3 credits)
This course examines the connections between mental health and society. What are the major forms of mental and behavioral health and illness? How widespread are mental disorders and what predicts their occurrence? What impact do they have on society and institutions such as health care and criminal justice? What professions and organizations treat mental disorders? Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 218 Social Deviance (3 credits)
This course examines examples of deviance, e.g., the Holocaust, state terror and torture, and mental illness. It explores how laypersons and experts conceptualize deviance, how definitions of deviance change, who labels behavior deviant, and the consequences for those labeled deviant. Pre-requisite SOC 101 or 102.
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 219 Social Deviance (3 credits)

SOC 225 Intro to American CJ (3 credits)
This course provides an introduction to the criminal justice system in the U.S. The primary goal of this course is to foster a general understanding of the functions and impact of the 3 components of the criminal justice system: police, courts, and corrections. In addressing these components, we will examine each component from the due process and crime control perspectives of criminal justice. Due process stresses individual rights while crime control stresses the protection of the society at large. Some of the topics that we will cover include policing, the courts, and corrections. The course will conclude with a discussion of the future of criminal justice.
Attributes: Criminal Justice Course, Undergraduate

SOC 231 Probation and Parole (3 credits)

SOC 232 Sociology of Human Sexuality (3 credits)
This course examines anthropological and sociological perspectives on human sexuality. Among the topics to be covered: reproductive ritual, deviant patterns of sexual behavior, ideologies of sexuality, legal shaping of sexual behavior, and the methods by which we obtain good information on sexual behavior. Satisfies Gender Studies minor, Diversity GEP, Social Science, Sociology (not CJ) elective.
Attributes: Gender Studies Course, Undergraduate
Sociology

SOC 234 Federal Crim Law & Prosecution (3 credits)
SOC 235 Federal Search & Seizure (3 credits)
SOC 237 Human Origins & Prehist of Cult (3 credits)
SOC 238 Violence & Society (3 credits)
SOC 241 American Labor Movement (3 credits)
SOC 243 Sexuality & Relationships (3 credits)
SOC 245 Law and Social Policy (3 credits)
SOC 246 CJ Ethics & Legal Responsibility (3 credits)
SOC 247 Organized Crime (3 credits)

This course provides an historical foundation and comprehensive examination of organized crime that will guide the student through the various developments of this criminal activity. Besides the stereotypical organized crime viewpoints, which are often portrayed on television and in movie theatres, this course will also explore other unusual and less known perspectives of modern day organized crime. Students will utilize critical thinking exercises and ethical perspectives while developing a keen understanding of how organized crime is associated with such activities as human trafficking, computer and Internet crime, vehicle smuggling, and terrorism. Criminal Justice elective.

Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 249 Federal CJ (3 credits)

This course will examine the criminal justice at the federal level. The main areas are the role of each branch of government; how agencies are funded; the major investigation, prosecution, probation, and correction elements; and individual investigative agencies including Inspector General. The course will cover the mission of and interrelationships among individual agencies. Criminal Justice elective. Pre-requisite SOC 225

Prerequisites: SOC 225

Attributes: Criminal Justice Course, Undergraduate

SOC 250 Found of Adds for CJ Professnl (3 credits)

SOC 251 Gender and the Law (3 credits)

SOC 252 Media & Popular Culture (3 credits)

This course will examine the organization of contemporary media and popular culture from a variety of sociological perspectives. Particular attention will be paid to the production and consumption of popular music, talk shows, and sporting events. There will be discussion on how fads spread through society, how our identities are shaped by and mediated through popular culture, and why the media focuses so much attention on seemingly mundane events. This class will examine how recent technological changes influence how we consume popular culture. We will utilize discussions of Nike, Netflix, Starbucks, videogames, nightlife in Philadelphia, Shakespeare, and digital gambling to understand how popular culture is organized.

Attributes: GEP Social Science, Undergraduate

SOC 253 Race and Social Justice (3 credits)

In this course we will examine the issue of social justice as it pertains to race and ethnicity. The course will address the social and cultural constructions of race and ethnicity and their effects on social institutions, interpersonal relationships, and quality of life primarily in the U.S., but also abroad. Specifically, we will focus on how advantages and disadvantages are distributed among individuals and societies, why this process occurs, and how we can work to achieve balance and equality. As part of our discussions, we will focus on the contributions of racial and ethnic minorities in our changing social, economic, political, and legal institutions by examining controversial topics central to debates on racial justice and policy. Criminal Justice elective, satisfies Diversity GEP course

Attributes: Africana Studies Course, Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 254 Violence and Victims (3 credits)

This course is designed to explore the serious problem of violence in our society from a sociological perspective. We will address a variety of types of violence, its causes, consequences, and theories for prevention. Topics which will be discussed include wife abuse, rape, child abuse, gang warfare, and street violence. An emphasis will be placed on understanding the structural causes of violence such as gender, race, and social class inequality as well as the effect of pornography, the media, and drugs/alcohol on violence. Particular attention will be given to the consequences of violence for both individual victims and society as a whole. We will also focus on the practical reality of violence in this society by speaking with several practitioners and touring a local domestic violence shelter. Criminal Justice elective. Satisfies Gender Studies minor requirement.

Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 259 Youth, Culture & Deviance (3 credits)

This course offers economic, cultural, political and social perspectives on American youth based on sociological theory. Special attention will be paid to youth popular cultures and the unique social problems facing young adults (e.g., gangs, drugs, suicide and teen pregnancy). Criminal Justice elective.

Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 260 Language and the Law (3 credits)

(See LIN 260. Satisfies GEP Ethics-Intensive overlay).

Prerequisites: PHL 154

Attributes: Ethics Intensive (New GEP), Undergraduate

SOC 261 Intro to Crim Investigation (3 credits)

Teaches students how to gather the maximum amount of information necessary to solve a crime efficiently, e.g., from witnesses, suspects, informants, surveillants, as well as from the physical evidence at the crime scene. Suggested also for prelaw students. Criminal Justice elective.

Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150

Attributes: Criminal Justice Course, Undergraduate

SOC 262 White Collar Crime (3 credits)

This course is designed to give the student an understanding of the meaning of white collar crime and the types of activities in which white collar criminals engage. Initially, the lectures focus on the development of a comprehensive definition of white collar crime and then, having established this foundation, turn to the variety of white collar crimes in the U.S. today. Criminal Justice elective.

Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150

Attributes: Criminal Justice Course, Undergraduate
SOC 263 Criminology (3 credits)

SOC 264 Crim Courts & Crim Procedures (3 credits)
An analysis of the legal and practice problems presented in the administration of criminal justice from investigation to post-conviction review. Subjects include right to counsel, law of arrest, search and seizure, police interrogation and confessions, prosecutorial discretion, plea bargaining, bail, and juries. Case method used. Suggested for pre-law students. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 267 Introduction to Corrections (3 credits)
An analysis of the history and development of modern correctional systems. The focus will be on the corrections process as experienced by both offender and official. Special topics will include prisoner rights, litigation, women and corrections, and juveniles and the correctional process. Cross-cultural perspectives and recent correctional innovations will also be examined in order to give the student a comprehensive view. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 269 Intro to Law Enforcement (3 credits)
Principles of maintaining the legal system with reference to its community of responsibility; individual and interacting procedures of the various agencies through which persons involved are processed; structures and interrelationships of the federal, state, and local jurisdictions.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 270 Special Topics (3 credits)
Course content determined by instructor. This course number/title will be given to new courses being offered within the academic year that are not listed in the catalog. The course will explore some topic related to sociology or criminal justice, focusing on the role of institutions in explaining human behavior.

SOC 271 Sociology of Migration (3 credits)
This course will take a global view of migration by examining flows across the world and within the United States in particular. While globalization on one level has existed for thousands of years, we are currently in a phase where people, goods, and cultures are exchanged internationally in a quicker and more intensive way than ever before. These flows are shaped by international agreements such as the North Atlantic Free Trade Agreement (NAFTA), and by national immigration laws. Though our focus will be on the United States, we will compare current immigration patterns and experiences in other nations as well. Satisfies Globalization. Latin American Studies.
Attributes: GEP Social Science, Globalization Course (New GEP), Undergraduate

SOC 273 Collective Bargaining (3 credits)

SOC 274 Sports in Society (3 credits)
This course focuses on sports as social and cultural phenomena. It is designed to highlight the elements of sports, its participants, its values, and its relationship to American society.
Attributes: GEP Social Science, Undergraduate

SOC 275 Law of Industrial Relations (3 credits)
SOC 276 Terrorism, Intelligence & Enforcement (3 credits)
The focus of this course is directed toward law enforcement and intelligence issues that are employed to defeat, deny, disrupt terrorism, diminish the threat of, and defend against terrorism. This course introduces the student to various contemporary terrorist groups, current events, investigative and operational methodologies employed by the law enforcement and intelligence communities, and to weapons of mass destruction. This course is interactive through the use of exercises that allow students to experience how law enforcement and intelligence responds to the threat of terrorism.
Attributes: Criminal Justice Course, GEP Social Science

SOC 281 Benefits & Compensation (3 credits)
SOC 286 Violence in Intimate Relationships (3 credits)

SOC 287 Sex, Gender & Family in Cults (3 credits)
This course will look at cults/new religious movements in relation to the larger culture; looking at the most recent wave of cults/movements in our history, dating back to the early 1960's and continuing to the present. We will start by looking at the historical and social background of the most recent cults, then move on to discussion of the various terms, and the perspectives behind terms, that are used to describe these groups. We will use social psychology, more specifically, the social influence perspective, to explain why people join, stay in, and leave cults and will focus on sex, gender, and family patterns in cults/new religious movements.
Attributes: GEP Social Science, Undergraduate

SOC 300 CommEngSch:BldgPart thru Rasch (3 credits)
Engaged scholarship can take several forms. Broadly defined, it “means connecting the rich resources of the university to our most pressing social, civic, and ethical problems” (Boyer, 1996, p. 19). One key way of sharing these resources is through research – not “on” the community, but “with” the community. This type of research model is one in which the research projects are developed with community organization staff, faculty, and students together, building on the unique strengths of those involved. In this course, students will work with a community-based organization to design and conduct research on an issue related to homelessness or affordable housing. Throughout the semester, students will learn about research methods, research ethics, and the particular urban context within which they will be working. More importantly, students will gain experience working alongside staff of a community-based organization to solve problems or assess needs and strengths.
GEP SS. Honors.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: GEP Social Science, Honors Course, Undergraduate

SOC 310 Policing in Black and Blue (3 credits)
This course will review the sociological and policy concerns that have contributed to the racial tensions between police and communities of color. The course will examine the sociological roots of the urban ghetto, consider the role of mass incarceration and the rise of the surveillance state with the war on drugs. We will review stop and frisk, community policing, focused deterrence, stop sniffing, and DOJ reports on Philadelphia/Ferguson and police-involved shootings. It will also include some of the European studies of policing immigrant communities in the face of terrorist threats.
Prerequisites: (SOC 1015 or SOC 1011 or SOC 1025 or SOC 1021) or SOC 101 or SOC 102
Attributes: Undergraduate
SOC 311 Research Methods II (3 credits)
SOC 312 Social Research Methods I (3 credits)
Class project analysis of previous instruction and field experience.

SOC 313 Data Analysis (3 credits)
This course introduces students to the Statistical Package for the Social Sciences (SPSS) for conducting quantitative data analysis. Using the General Social Survey and other publicly available data sets, we will learn about transforming variables, conducting univariate and bivariate analysis, requesting descriptive and inferential statistics, and learning how to interpret these statistics. Emphasis is on doing the analysis and presenting the analysis for research projects. This course is a prerequisite for Seminar, SOC 495.

SOC 314 The Criminal Offender (3 credits)
The Criminal Offender is an interface between the law and mental health. This course examines the components of human behavior that bring people into a judicial setting. Content will cover criminal personalities, forensic interview, and the role of forensic psychology and psychiatry. Domestic violence offenders, sex offenders, stalkers, gang members, and offenders who commit hate crimes and homicide will be discussed. Definitions and dynamics of criminal motherhood and the psychodynamics of violent juvenile offenders will be presented. Use of the internet and various forms of social media by offenders will also be discussed.

SOC 315 Cult of Addictn: ST Amsterdam (3 credits)
SOC 316 Fair Trade: Coffee-Co-Op to Cup (3 credits)
This course is designed to trace the path of fair trade coffee beans as they are grown in a cooperative in Nicaragua until they reach a consumers’ cup in the United States. In this class, we will examine the labor-intensive activities that go into producing a cup of coffee, the environmental impacts of producing shade grown and organic coffees, and the economic benefits that farmers receive for growing coffee in Central America. We will travel to Nicaragua and live alongside coffee farmers who are growing fair trade coffee. We will learn about the “Coffee Crisis” that greatly affected Central American farmers in the early 2000s, and we will look at the limits and possibilities of producing coffee in a cooperative. Prior to attending the trip we will read about the political and economic dynamics of Central America, the history of coffee and the fair trade movement, and what fair trade means in the minds of ethical consumers. In thinking about the stories behind their purchases, students will gain broader insight into the limits and possibilities of integrating their values into their everyday shopping patterns. Latin American Studies.

SOC 317 Sociolinguistics (3 credits)
This course will trace the path of fair trade coffee beans from their place of origin in Central America to their destination in the United States. We will examine the labor-intensive activities that go into producing a cup of coffee, the environmental impacts of producing shade-grown and organic coffees, and the economic benefits that farmers receive for growing coffee. We will travel to Nicaragua and live alongside coffee farmers who are growing fair trade coffee. We will learn about the “Coffee Crisis” that greatly affected Central American farmers in the early 2000s, and we will look at the limits and possibilities of producing coffee in a cooperative. Prior to attending the trip we will read about the political and economic dynamics of Central America, the history of coffee and the fair trade movement, and what fair trade means in the minds of ethical consumers. In thinking about the stories behind their purchases, students will gain broader insight into the limits and possibilities of integrating their values into their everyday shopping patterns. Latin American Studies.

SOC 318 Social Just: Dominican Republic (3 credits)
SOC 320 Sociology of Work (3 credits)
SOC 322 Cult & Politics of Motherhood (3 credits)
The course considers motherhood as a political and cultural issue in society. Topics will include the social construction of public debates about teenage mothers, single mothers, welfare mothers, and abortion. We will also review the work of scholars who examine how social class and privilege construct our notions of “good” mothers and appropriate childrearing. Pre-requisite SOC 101 or SOC 102. Satisfies Gender Studies Minor requirement.

SOC 323 Health and Society (3 credits)
An overview of health care in the United States with attention to its historical antecedents; definitions of illnesses; examines the effect of social factors on the occurrence of illness and its treatment; studies the organization of health facilities. GEP SS. Satisfies Gender Studies Minor requirement.

SOC 325 Women and Health (3 credits)
This course will look at the health industry from a feminist perspective. We will examine the role of women in providing health care, gender differences in the care given to patients, and health care issues specific to women. The course will also consider race and class differences among women working in and served by the health care industry.

SOC 326 Emerging Issues Adulthood (3 credits)
SOC 327 Sociology of Religion (3 credits)
Examines major sociological attempts to interpret the role of religious belief systems in modern industrial society and culture with emphasis on: a historical and structural analysis of religious belief systems and polities in the United States; the role of religion in community formation, national, and ethnic identity; and contemporary religious movements as attempts to channel or cope with forces of change.

SOC 328 The Wire (3 credits)
Although journalists and media critics around the world have heaped deserved acclaim on The Wire, many people do not recognize its contribution to social science. Students in this seminar will watch, critique, and discuss selected episodes of The Wire along with assigned readings on urban inequality, crime, and violence that relate to these episodes. The assigned readings will feature academic books and research articles that describe and analyze life and experiences in inner city neighborhoods, as well as the social, economic, political, and cultural factors that shape or influence these experiences. CJ elective.

Attributes:
- GEP Social Science, Latin American Studies Course, Undergraduate
- GEP Social Science, Undergraduate
- Communication Studies ILC Crs, Diversity Course (New GEP), GEP Social Science, Undergraduate
- Undergraduate Day Division level students.
SOC 330 Urban Sociology (3 credits)
What makes some neighborhoods in cities great places to live? Why do other neighborhoods struggle? In this course, we will learn how sociologists study cities, what social policies have affected cities, how inequalities along the lines of race/ethnicity and social class have shaped cities, how cities might fit into a sustainable vision for the future, and what we can learn from cities in other countries. By the end of the course, students will understand what can be done to improve the quality of life for families in urban neighborhoods. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 and SOC 102 or SOC 150
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 331 Urban Ethnography (3 credits)
Though it is certainly useful to analyze cities with numbers and statistical analyses, one can perhaps best capture life within cities through ethnography. Ethnography allows the researcher to dig deep and analyze any number of social settings. Ethnography encompasses several different methods, but in this course we will concentrate on observation and writing field notes. Both sociologists and anthropologists use these methods in their research. In this course, you will not only learn to practice ethnography, but you will also read and critique several urban ethnographies.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 334 African-American Experience (3 credits)
SOC 335 Classes and Power in US (3 credits)
Examine the social, economic, and political inequalities in the United States; analyzes causes of social stratification; studies social mobility and the existence of a power elite. Criminal Justice elective.
Attributes: Africana Studies Course, Criminal Justice Course, GEP Social Science, Undergraduate

SOC 336 Sociology of Appalachia (3 credits)
This course is a survey of the social and economic life of the Appalachian region from the colonial period of American history to the present. The course examines changing patterns of culture, land use, economy, politics, and social structure in the mountains in an effort to understand the contemporary social system in Appalachia. Special emphasis will be placed upon the interaction of mountain residents with the broader forces of social change at work in America: changing family structures, gender roles, economic systems, political cultures, material life, and value orientations. Stereotyped images of Appalachia as an isolated, atypical land, unconnected to the rest of the American experience will be contrasted with a view of Appalachian history as shaped and affected by the same forces of political concentration, capitalist transformation, mass society, and the bureaucratic state that have created modern America. Faith/Justice course.
Attributes: GEP Social Science, Undergraduate

SOC 337 Forensic Financial Analysis (3 credits)
This course covers the detection of illegal financial transactions. Major topics include money laundering, fraud, embezzlement, and illicit accounting practices. Students will learn data gathering and analysis techniques for financial transactions, records, legitimate businesses, illegal organizations, and individuals. The course will include preparation for trial. Prerequisite: a basic course in accounting or permission of the instructor.

SOC 338 Police and the Community (3 credits)
This course will examine factors contributing to cooperation or friction between law enforcement personnel and the community. Emphasis will be placed on political, social and economic forces which influence this. Policies addressing this problem will be reviewed. Criminal Justice elective.
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 340 The Ethical Consumer (3 credits)
The recent "ethical turn" in markets has led to a growing number of products that give proceeds to a charitable or altruistic cause. We see Pink Ribbons when we shop for a car, fair trade coffee at Wal-Mart, and product (RED) clothing at the GAP. Many of these products and brands are creating significant social change; others are "greenwashing" or "fairwashing" markets by making false promises. In this course we will read research from sociology, marketing, and psychology to understand the consumer behavior of individuals trying to change the world through shopping; we will examine the strengths and weaknesses of these "consumer-dependent" social movements; and we will examine the social forces that led "shopping for a cause" to become a modern means for creating social change. This course will conclude with an attempt to put our ideas into practice through group-projects designed to raise funds for local mission-driven businesses such as Ca's Cupcakes, Alex's Lemonade, or Fair Trade retailers. Pre-requisite: PHL 154. Satisfies Ethics Intensive, American Studies.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), GEP Social Science, Undergraduate

SOC 344 Populations (3 credits)
SOC 345 Law and Social Policy (3 credits)
An exploration of various dimensions of the relationship between law and social policy in contemporary U.S. society. In assessing how judicial opinions and legislative efforts affect social relations and institutional arrangements, inquiry is focused upon: (1) the ways in which social problems become defined as legal issues; (2) the forces which shape the initiation and ultimate formulation of legislative acts designed to affect public policy; (3) the role which cultural values and assumptions play in framing legal arguments and influencing judicial opinions and remedial programs; (4) the issue of compliance and the ways in which it is measured and enforced, and (5) the strengths and limitations of the law as a means of achieving specific social policy objectives. Criminal Justice elective. Faith/Justice course.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 346 CJ Ethics & Legal Responsibility (3 credits)
This course focuses on major ethical and legal responsibility issues in the legal professions including conflicts of interest, confidentiality, competence, counseling, economic pressures, advocacy tactics, and professionalism, as well as the standards and rules which govern the legal professions. The course will be especially helpful to students who plan to enter law school upon graduation. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 348 Consumer Culture in Global Per (3 credits)
SOC 349 Poverty, Ethics & Soc.Policy (3 credits)
This course offers an overview of poverty in the United States, explores the ethical principles surrounding poverty and our response to it, and examines social policies that seek to ameliorate poverty. Students will work on a semester-long academic assignment which will engage them in one aspect of poverty and social policy.
Attributes: Ethics Intensive (New GEP), Undergraduate
SOC 351 Gender and the Law (3 credits)
Utilizing a case law approach, this course examines historical and contemporary judicial responses to gender inequality. Among the topics covered are: affirmative action, no-fault divorce, criminal sentencing disparities, and the intersection of sex, race, and social class inequalities in the law. Criminal Justice elective. Satisfies Gender Studies Minor requirement. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 and SOC 102 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 353 Restorative Justice Practice (3 credits)
This course places restorative justice theory into practice. Students will learn and become proficient in several restorative practices including peacemaking circles, sentencing circles, restorative conferencing, reparative boards, youth aid panels and victim offender mediation. As an experiential course, students will participate in all of the practices throughout the semester. Some of these practices are hundreds of years old. Many criminal justice agencies see potential widespread application. The skills taught in this course can be used in any situation involving conflict. Criminal Justice elective.
Attributes: Criminal Justice Course, Undergraduate

SOC 355 Race, Crime & CJ (3 credits)
This course examines the topic of race and ethnicity in relation to crime and criminal justice processing. More specifically, we focus on several issues: 1) the role of privilege and marginalization in the context of race and ethnicity and the criminal justice system; 2) the impact of these factors on intergroup relationships generally and the responses of the criminal justice system to criminal behavior, victimization, and employment within the criminal justice field; 3) how the responses of the criminal justice system affect the lives of offenders, victims, and agents of the criminal justice system for various racial/ethnic groups; 4) the current patterns of crime and victimization in relation to race/ethnicity? In addressing these questions, it is important to note that this is an upper-level sociology/criminal justice course, so do not expect it to be lecture driven, although some lectures will be presented. Much of the course work will revolve around class discussions and written analysis of the readings. Criminal Justice elective, satisfies Diversity GEP.
Attributes: Africana Studies Course, Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 356 Gender, Crime & CJ (3 credits)
An examination of the gendered nature of criminal victimization, offending, and criminal justice processing from a feminist sociological perspective. Students will read and critically evaluate in a seminar format feminist criminologists' analyses of topics such as fear of crime, gangs, prostitution, corporate violence against women, policing, and corrections. Special emphasis will be given to the intersections of gender, racial/ethnic and social class inequalities. Criminal Justice elective. Satisfies Gender Studies Minor requirement.
Attributes: Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 357 Vio & Reconciliation in N Ire (3 credits)
SOC 358 Consumer Cult & Globl Perspctve (3 credits)
In recent years there have been dramatic changes in the ways we consume: chain stores are proliferating, products are increasingly being produced in developing countries, consumers are taking on record levels of debt, fashion and tastes are evolving at a faster rate than ever before, and advertising expenditures are at historic highs. All of these changes are associated with what we have come to know as globalization. This course will examine how advances in technology, communication, and transportation systems all impact our everyday lives as consumers. We will utilize contemporary sociological theories of globalization to examine these societal changes. The class will conclude with an in-depth analysis of ethical consumption. Although this course is primarily sociological in orientation, we will also examine how marketers psychologists, and social critics write about global consumer culture. Satisfies Globalization.
Attributes: GEP Social Science, Globalization Course (New GEP), Undergraduate

SOC 360 Sociology of Law (3 credits)
An analysis of contemporary theories of law; examines the statements of the main exponents of the consensus, pluralist, elitist, and dialectical models of law creation; focus also on the tie between the models and the social context in which they emerged and developed. Criminal Justice elective. Faith/Justice course.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 363 Phila: In Black and White (3 credits)
The purpose of this course is to explore the topic of race relations with reference to a case study of Philadelphia. It is a unique course insofar as it directly addresses the issue of race in a multidisciplinary way, and it offers a unique opportunity to explore a topic and a city that are only dealt with indirectly in other courses. This course will explore the impact of race on social, economic, and political life in Philadelphia. Utilizing a socio-historical approach, it will focus on the work of W.E.B. DuBois and other social scientists who have documented the effects of race on Philadelphians in such diverse areas as housing, health care, employment, and family life. Satisfies Diversity GEP. Criminal Justice elective.
Attributes: Africana Studies Course, Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 365 Crime & Urban Communities (3 credits)
From the beginning of the study of sociology in the United States, sociologists have studied life within a community context, documenting how space matters. The physical and social aspects of neighborhoods affect how likely crime is to occur in them and how residents can fight this crime. In addition to learning how space affects crime, we will learn key theories and concepts which sociologists use in studying urban crime, we will discuss current major issues in crime such as re-entry, and we will study crime-fighting strategies. Faith/Justice. Criminal Justice elective. Satisfies Africana Studies requirement.
Attributes: Africana Studies Course, Undergraduate

SOC 368 Cults as Social Movements (3 credits)
This course looks at the social psychology and the social movement aspect of selected cults. Questions that the course examines: What is a cult? Who joins cults? Why do people stay in cults? What is daily life in a cult like? What should we as a society do about cults? How do we study cults? Criminal Justice elective; GEP Social Science
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate
SOC 369 Basic Crim Intelligence Analys (3 credits)
This course teaches the basic principles of Intelligence Analysis, as practiced by the CIA, FBI, DEA and other Federal, State and Local law enforcement agencies. The course covers deductive logic, development of inferences, hypothesis development and testing, sources of information, and analytical techniques e.g. matrix development and link analysis. Upon completion of this course you will be eligible to join the International Association of Law Enforcement Intelligence Analysts (IALEIA). Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 375 Electronic Intelligence Analys (3 credits)
The course will use computer technology and analytical software tools (with emphasis on Analyst Notebook 6) to process and compare data. Analyst Notebook is the program currently being used by the CIA, FBI, NSA, US Army, INS, Customs, Secret Service, Homeland Security, DEA and 500 other National, State and Local Law Enforcement agencies throughout the world, to combat Terrorism, Drug Smuggling, Money Laundering and Organized Crime. This is a hands-on course where students will be learning to visualize complex relationships, analyze large data sets, and communicate findings to develop tactical and strategic intelligence. Basic Criminal Intelligence Analysis, SOC 369, is a prerequisite for this course. Criminal Justice elective.
Prerequisites: SOC 369
Attributes: Criminal Justice Course, Undergraduate

SOC 377 Inside-Out ExplCrime&Justice (3 credits)
This class offers a unique opportunity to explore issues of crime and justice from inside a correctional facility. The Inside-Out Prison Exchange Program brings together students from Saint Joseph’s University and adult students who are incarcerated to learn about and discuss topics such as the causes of crime, victims, the rationale of the criminal justice system, and restorative justice. Through the readings and dialogue, inside and outside students will be able to integrate their theoretical knowledge with lived experiences. It is through this exchange that we hope to critically analyze and challenge the current system in the U.S. that has resulted in a higher incarceration rate than other similar countries.
Criminal Justice elective
Attributes: Africana Studies Course, Criminal Justice Course, GEP Social Science, Undergraduate

SOC 378 Urban and Public Policy (3 credits)
This course will offer a foundation in how sociologists study cities and public policy. We will examine assets of cities and key areas of need that cities face (such as education, poverty, housing, and crime), and we will study policy options to improve cities and their larger metropolitan areas. These are broad policy areas of study, so we will hone in on specific policies. For example, we will explore how cities have formulated their initiatives to end homelessness, we will consider juvenile justice alternatives, and we will look at how cities can position themselves to be sustainable in the effort to reduce greenhouse gas emissions. Faith-Justice, GEP SS, Criminal Justice elective. Satisfies Africana Studies requirement.
Attributes: Africana Studies Course, Criminal Justice Course, GEP Social Science, Undergraduate

SOC 379 Soc of Intr'l Law & Politics (3 credits)
SOC 386 Violence in Intimate Relations (3 credits)
Women and children have a higher probability of being seriously injured or killed by someone with whom they are intimately associated rather than by a stranger. This course will examine questions such as: What factors contribute to the prevalence of intimate violence in the U.S.? How does intimate violence differ across groups (e.g., by race/ethnicity, social class)? How are 456 various forms of intimate violence (i.e., partner abuse, child abuse, elder abuse) interrelated?

SOC 390 Special Topics (3 credits)
SOC 470 Special Topics (3 credits)
Course content determined by instructor. Past topics included: Women’s Rights, Extremist Movements, The Ethical Consumer. For senior Criminal Justice and Sociology majors only.
Restrictions: Enrollment limited to students with a class of Senior. Enrollment is limited to students with a major in Criminal Justice or Sociology.
Attributes: Undergraduate

SOC 490 Internship (3,6 credits)
The student is placed according to his/her interests in a criminal justice, social service, or health care setting for a semester. In this way, he/she may apply classroom-acquired skills and knowledge while gaining practical work experience. Permission of internship director required.
Attributes: Undergraduate

SOC 491 Internship (3-12 credits)
The student is placed according to his/her interests in a criminal justice, social service, or health care setting for a semester. In this way, he/she may apply classroom-acquired skills and knowledge while gaining practical work experience. Permission of internship director required.
Attributes: Undergraduate

SOC 493 Independent Research in SOC (3 credits)
SOC 494 Independent Research Sociology (3 credits)
SOC 495 Seminar I (3 credits)
This course is where students complete the required senior thesis. An Honors section is available for those students completing College Honors. Prerequisite: SOC 313 and ENG 101.
Prerequisites: SOC 313 and ENG 101
Attributes: Undergraduate, Writing Intensive Course- GEP

SOC 497 College Honors Indep Study (3 credits)
College Honors candidates in Sociology will complete a second honors course during the Spring of the senior year (SOC 497) which includes research, extending the senior capstone experience beyond what non-Honor students complete.

Sociology Major

Sociology Learning Goals and Objectives

Goal 1: Sociology majors will demonstrate comprehension of the discipline of sociology and its role in contributing to our understanding of social reality.

Objective 1.1: Students can apply the sociological imagination, sociological principles, and concepts to her/his own life.

Objective 1.2: Students can compare and contrast basic theoretical orientations.
Goal 2: Sociology majors will develop knowledge of sociological research methods.

Objective 2.1: Students can design a research study in an area of choice and explain why various methodological decisions were made.

Objective 2.2: Students can run basic statistical analyses to answer research questions.

Objective 2.3: Students can identify and understand how to apply different methodologies (i.e., quantitative vs. qualitative) to the same subject and determine the benefits of each.

Goal 3: Sociology majors will understand how to communicate within their discipline.

Objective 3.1: Students can engage in social scientific technical writing that accurately conveys data findings.

Objective 3.2: Students can orally present research or course material clearly and concisely.

Goal 4: Sociology majors will incorporate the values from the discipline.

Objective 4.1: Students can assess the impact of the negative effects of social inequality.

Objective 4.2: Students can appraise the utility of the sociological perspective as one of several perspectives on social reality.

Goal 5: Sociology majors will understand the operation of culture and social structure.

Objective 5.1: Students can describe the significance of variations by race, class, gender, sexual orientation, and age, and thus critically assess generalizations or stereotypes for inaccuracy.

Objective 5.2: Students will identify examples of specific policy implications using reasoning about the effects of social structuration.

Goal 6: Sociology majors will be socialized for professional careers and/or further studies.

Objective 6.1: Students can identify a social problem, design ways to address it, and outline feasible steps to accomplish their task.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td>3</td>
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General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAT 118</td>
<td>Introduction to Statistics (This is necessary for use of SPSS)</td>
<td>3</td>
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</table>

Social Science
Select one of the following:
- Introduction to Psychology
- Economics
- Political Science
- History
- Any other social science course

Arts & Sciences
Any course within the College of Arts and Sciences will satisfy this requirement enhancing our students' understanding of social justice.

GEP Electives
8 elective courses

Major Requirements

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 211</td>
<td>Classical Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOC 312</td>
<td>Social Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>SOC 313</td>
<td>Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>SOC 495</td>
<td>Seminar I</td>
<td>3</td>
</tr>
<tr>
<td>SOC 470</td>
<td>Special Topics</td>
<td>3</td>
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</tbody>
</table>

Any experiential learning, including study abroad, internships, study tour courses, and service learning

Select six additional SOC courses numbered above 200 as listed

Sociology Minor

Sociology Learning Goals and Objectives

Goal 1: Sociology majors will demonstrate comprehension of the discipline of sociology and its role in contributing to our understanding of social reality.

Objective 1.1: Students can apply the sociological imagination, sociological principles, and concepts to her/his own life.
Objective 1.2: Students can compare and contrast basic theoretical orientations.

Goal 2: Sociology majors will develop knowledge of sociological research methods.

Objective 2.1: Students can design a research study in an area of choice and explain why various methodological decisions were made.

Objective 2.2: Students can run basic statistical analyses to answer research questions.

Objective 2.3: Students can identify and understand how to apply different methodologies (i.e., quantitative vs. qualitative) to the same subject and determine the benefits of each.

Goal 3: Sociology majors will understand how to communicate within their discipline.

Objective 3.1: Students can engage in social scientific technical writing that accurately conveys data findings.

Objective 3.2: Students can orally present research or course material clearly and concisely.

Goal 4: Sociology majors will incorporate the values from the discipline.

Objective 4.1: Students can assess the impact of the negative effects of social inequality.

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Goal 5: Sociology majors will understand the operation of culture and social structure.

Objective 5.1: Students can describe the significance of variations by race, class, gender, sexual orientation, and age, and thus critically assess generalizations or stereotypes for inaccuracy.

Objective 5.2: Students will identify examples of specific policy implications using reasoning about the effects of social structuration.

Goal 6: Sociology majors will be socialized for professional careers and/or further studies.

Objective 6.1: Students can identify a social problem, design ways to address it, and outline feasible steps to accomplish their task.

The minor in sociology requires the following, and any two upper division (201 or above) sociology courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
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<td>Classical Sociological Theory</td>
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<td>SOC 312</td>
<td>Social Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 313</td>
<td>Data Analysis</td>
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For Criminal Justice majors, the minor in sociology requires SOC 211, and four upper division SOC courses.
THEOLOGY AND RELIGIOUS STUDIES

Department Mission Statement
The Department of Theology and Religious Studies is committed to a rigorous presentation of the methods and content of both Christian Theology and Religious Studies as academic disciplines. We view these combined disciplines as an important component within the liberal arts curriculum of a Roman Catholic university in the Jesuit tradition. We strive to engage ourselves and our students in the critical study of theological and religious traditions, praxis, and intellectual inquiry, both historically and in the contemporary world.

In pursuit of this mission, the department recognizes three primary goals:

• Provide students with an understanding of the foundations of Christian faith and its implications for life in society, especially within the Roman Catholic tradition;
• Instill in students a capacity for the examination of theological and religious traditions from a critical distance;
• Foster in students and professional colleagues an appreciation for the diversity that exists within the contemporary, scholarly study of theology and religion and within the department’s faculty and their research endeavors.

Theology and Religious Studies in the GEP
All students must successfully complete the Signature Core course, "Faith, Justice and the Catholic Tradition," as well as any one of a number of courses designated as Religious Difference courses.

Signature Core
THE 154 Faith, Justice and the Catholic Tradition
This course is designed to introduce students to central theological themes (such as the doctrines of Christ, the human person, sin/grace/salvation, and the sacraments) and moral claims (such as the preferential option for the poor, solidarity, and the common good) typical of the Roman Catholic Tradition. Through a critical examination of primary texts, students will investigate the historic grounds of faith and will learn how and why a concern for social, economic and political justice is rooted not only in the Christian Gospel but also in fundamental Christian doctrines and liturgical practices.

Variable Core
Religious Difference - 1 course
This course will require students to gain a critical understanding of one or more religious worldviews that differ from the Roman Catholic perspective. Students will engage in either in-depth study of the beliefs and practices of one or more non-Christian religious traditions or take a comparative religions course that in some measure addresses the issue of religious diversity. This course will also address issues related to the construction of religious identity in today’s pluralistic world.

Students will be able to:

• Identify some of the general features typical of many religions, such as conceptions of deity, transmission of traditions, religious community, ritual practice, religious experience, and ethical norms.
• Recognize and discuss examples of the impact of historical, socio-political, and cultural contexts on the teachings, sacred texts and/or material culture, and other manifestations over time of at least one non-Christian religious tradition.
• Articulate how some of the categories of the discipline of Religious Studies outlined in the previous points are expressed in at least one non-Christian religion.
• Discuss some of the implications of living in a religiously diverse world.

Some Typical Religious Difference courses include:

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<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>THE 211</td>
<td>Hebrew Bible</td>
<td>3</td>
</tr>
<tr>
<td>THE 380</td>
<td>Interreligious Dialogue</td>
<td>3</td>
</tr>
<tr>
<td>THE 384</td>
<td>Jews/Chr: Theologies Compared (when Team-taught)</td>
<td>3</td>
</tr>
<tr>
<td>THE 385</td>
<td>Jewish Jesus as Savior (when Team-taught)</td>
<td>3</td>
</tr>
<tr>
<td>REL 101</td>
<td>Comparative Religion</td>
<td>3</td>
</tr>
<tr>
<td>REL 211</td>
<td>Hebrew Bible</td>
<td>3</td>
</tr>
<tr>
<td>REL 212</td>
<td>Israelite Religion</td>
<td>3</td>
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<tr>
<td>REL 231</td>
<td>Judaism</td>
<td>3</td>
</tr>
<tr>
<td>REL 241</td>
<td>Islam</td>
<td>3</td>
</tr>
<tr>
<td>REL 261</td>
<td>Hinduism</td>
<td>3</td>
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<tr>
<td>REL 270</td>
<td>Special Topics in Relig Stud ¹</td>
<td>3</td>
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<tr>
<td>REL 271</td>
<td>African &amp; Caribbean Religions</td>
<td>3</td>
</tr>
<tr>
<td>REL 336</td>
<td>Jewish Thought</td>
<td>3</td>
</tr>
<tr>
<td>REL 338</td>
<td>Jew&amp;Chr Responses to Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>REL 351</td>
<td>Indian Buddhism</td>
<td>3</td>
</tr>
<tr>
<td>REL 352</td>
<td>East Asian Buddhism</td>
<td>3</td>
</tr>
<tr>
<td>REL 356</td>
<td>Death &amp; Afterlife Chinese Rel</td>
<td>3</td>
</tr>
<tr>
<td>REL 357</td>
<td>Food Practices &amp; Chinese Rel</td>
<td>3</td>
</tr>
<tr>
<td>REL 383</td>
<td>Ancient Greek Religions</td>
<td>3</td>
</tr>
<tr>
<td>THE 387</td>
<td>Jews&amp;Chr: Entwined Histories (when Team-taught)</td>
<td>3</td>
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</table>

¹ Not all "Special Topics" courses meet this requirement. Please check individual sections of REL 270 for specific information.

Professor: Bruce Wells, Ph.D.; Peter A. Clark, S.J., Ph.D.; Philip A. Cunningham, Ph.D.; William Madges, Ph.D.
Associate: Allen Kerkeslager, Ph.D.; David W. Carpenter, Ph.D.; James F. Caccamo, Ph.D.; Katie Oxx, Ph.D.; Millicent C. Feske, Ph.D.; Ms. Shawn Madison Krahmer, Ph.D.
Assistant: Adam Gregerman, Ph.D.; Brendan Sammon, Ph.D.; Gerard M. Jacobitz, Ph.D.; Umeyye Isra Yazicioglu, Ph.D.

Chair: Caccamo

Undergraduate Majors
• Theology (p. 452)
• Religious Studies (p. 447)

Undergraduate Minors
• Theology and Religious Studies (p. 448)

Graduate Program
• Theology and Society M.A. (moratorium) (p. 450)
Religious Studies

REL 101 Comparative Religion (3 credits)
An introduction to the comparative study of religion which examines the historical evolution of religions, nature and diversity of religious experience, the concept of a religious world and the diverse types of religious worldviews, the role of myth and ritual in the maintenance of religious worlds, the problem of religious change and the concept of transcendence. Religious Difference.
Attributes: Religious Difference Course, Theology Level 2, Undergraduate

REL 150 Freshmen Seminar Course (3 credits)
Seminar subjects vary.
Attributes: First-Year Seminar Course

REL 211 Hebrew Bible (3 credits)
This course will examine the biblical traditions and texts of the Hebrew Scriptures as products of particular historical and cultural communities, and as literary and theological documents. Religious Difference.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 2, Undergraduate

REL 212 Israelite Religion (3 credits)
Combining the evidence of biblical texts and ancient Near Eastern texts, this course analyzes the historical and social context of religion in ancient Israel. Special topics include the worship of different deities; the priesthood and the system of sacrifices in the Temple; the relationship between politics and religion, and some specific religious practices maintained by kings David, Solomon and their successors (such as prophecy, holy war and child sacrifice); popular religious practices (such as devotion to the dead and magic); and the origins and development of monotheism, the concept of the messiah and other ideas central to the origins of Judaism and Christianity. Religious Difference.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 221 Intro to the New Testament (3 credits)
This course will examine the biblical traditions and texts of the Christian Scriptures as products of particular historical and cultural communities, and as literary and theological documents.
Attributes: Ancient Studies Course, Theology Level 1, Undergraduate

REL 231 Judaism (3 credits)
A comprehensive survey of the development of Judaism from its pre-exilic roots to the present, to include the evolution of its theology, ethics, and traditions. The impact of the modern world upon traditional Judaism; major movements within Judaism today and their beliefs about God, Torah, and Israel. Religious Difference.
Attributes: Religious Difference Course, Theology Level 2, Undergraduate

REL 241 Islam (3 credits)
An introduction to the historical development of Islam together with its basic beliefs and practices, from the time of Muhammad to the modern period. The prophet Muhammad, the Qur’an and Hadith, the Sharia, Kalam, Shiism, Sufism, and Islamic modernism will be examined. Non-Western Studies, Religious Difference.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 251 Religions of Ancient India (3 credits)
REL 261 Hinduism (3 credits)
A survey of the Hindu religious traditions on the Indian subcontinent with a focus on the period from the Epic (c. 200 BCE-200 CE) until modern times. The major forms of Hindu belief and practice will be covered: Vaishnavism, Shaivism, traditions of the Goddess, and popular village traditions. Non-Western Studies, Religious Difference.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 270 Special Topics in Relig Stud (3 credits)
Concentrated focus on a selected theme in theology or religion at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes, but only one course at the second level will satisfy the Theology GER, pending approval.
Attributes: Theology Level 2, Undergraduate

REL 271 African & Caribbean Religions (3 credits)
An examination of selected indigenous African religious traditions in their native contexts and/or religious traditions of indigenous African origin that have developed in the Caribbean and related contexts outside of Africa. Topics vary, but representative samples may include a focus on individual systems (such as Haitian Vodou) or phenomena found in a number of systems (such as rites of passage). Religious Difference.
Attributes: Africana Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 272 Religion/Global/Rights-Bolivia (3 credits)
Emil Durkheim has described a religion as a unified system of beliefs and practices relative to the sacred that unite into a single moral community those who adhere to them. This course will apply the methods of the History of Religions to discover those religious beliefs and practices shared by indigenous populations of Bolivia that, in some senses, unite them into a “single moral community.” The class will first examine central religious beliefs of indigenous Bolivian religions (e.g., cosmology, communal origin myths, spirits and divine figures, rituals and ritual spaces, and the relationship of natural and supernatural). Along the way, the class will wrestle with broader questions in the study of religion, such as interpreting the archeological record, inducing religious experience, and relationship between religious authority and social or political power. The class will then explore the moral implications of these beliefs. The course will pay particular attention to the economic sphere, using case studies to explore how indigenous beliefs and practices are shaping distinctive economic forms that contrast those typically promoted by global capitalism. Ethics Intensive, Religious Difference.

REL 311 Comparative Religious Ethics (3 credits)
Comparative religious ethics is a field of study that explores what different religious traditions say (and have said) about important ethical and moral questions, past and present. This course aims to provide students with the tools and knowledge to understand, comparatively analyze, and evaluate the ethical teachings and moral prescriptions of the religious traditions of Judaism, Christianity, and Islam. Students will examine the similarities and differences between the ways in which each of these religious traditions form and inform the ethical and moral aspects of the lives of their adherents. Prior knowledge of Judaism, Christianity, and/or Islam is preferred but not required. Students with no knowledge of one or more of these traditions will be assigned extra readings for the first few weeks of class. Religious Difference, Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Religious Difference Course, Theology Level 3, Undergraduate
REL 312 Spirit Disc in Compar Perspect (3 credits)
Throughout the world’s religious traditions we find a variety of spiritual disciplines pursued by individuals in the hope of transforming an existence experienced as sinful, delusory, fragmented or otherwise unsatisfactory into one that is graced, enlightened, whole. The specific methods employed vary widely, as do their specific goals. Nevertheless, when viewed from a comparative perspective many of these practices share elements in common. This course will examine a number of such spiritual disciplines, drawn from the traditions of Hinduism, Buddhism, Greco-Roman Hellenism, and Christianity. Attention will be given to issues of their historical development, diversity of form, points of similarity and contemporary relevance. Religious Difference
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

REL 321 Religion & Law in the Anc World (3 credits)
This course looks at the world’s earliest known law: the law of ancient Sumer, Babylon, Egypt, and other ancient Near Eastern societies. The course goes on to examine the relationship between these legal systems and the legal texts of ancient Israel and Judah found in the Hebrew Bible, as well as other issues related to the study of biblical law. Finally, the course considers the legacy of ancient Near Eastern law and its impact on the development of modern legal institutions and systems. Religious Difference.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 322 Myth and History in the Bible (3 credits)
This course examines a range of narratives from the Bible and considers how they functioned in the ancient communities from which they come. It looks at the role of myth and the nature of history writing in the ancient world and explores ways to identify both genres in biblical texts. It also examines current debates over what should count as history in the Bible and the impact of archaeological and extra-biblical literary evidence on these debates. The course will focus primarily on narratives from the Hebrew Bible (e.g., creation myths, ancestral and royal legends, political-historical narratives), though some stories from the New Testament may be considered as well. Religious Difference. Faith and Reason.
Prerequisites: PHL 154 or THE 221
Attributes: Ancient Studies Course, Faith-Reason Course (New GEP), Religious Difference Course, Theology Level 3, Undergraduate

REL 323 Psalms (3 credits)
The most influential of all Old Testament books on Christian spirituality, the Psalms offer a special glimpse into the religious life of ancient Israel. Placed within their larger historical background, psalms of various types (laments, hymns, royal and wisdom psalms, etc.) will be studied for their literary and religious character. The question of the Psalter’s theology as a whole will be addressed as well.

REL 325 Synoptic Gospels (3 credits)
This course will progress in two movements. It first will investigate the historical background of the growth of the gospel tradition. It then will read the Gospels as viable literary texts, making use of the most recent advances in the literary critical study of Matthew, Mark, and Luke-Acts. In this way, the course will focus upon the theological uniqueness of each book, as well as tracing their interrelatedness.
Attributes: Theology Level 3, Undergraduate

REL 326 Letters of Paul (3 credits)
The aim of this course is to examine the main characteristics of Paul’s faith as found in his epistles. The course will establish the broad argument of each of the letters, their historical setting, and their literary and rhetorical character, and demonstrate how these elements work together to express Paul’s gospel. Faith and Reason.
Attributes: Ancient Studies Course, Faith-Reason Course (New GEP)

REL 327 Religion & Race in Phila. (3 credits)
This course examines the co-constitution of religious beliefs, racial identities, and regional cultures from an historical perspective primarily in the urban Northeast. We will examine how transatlantic and transnational African and European religious traditions (real, imagined, historical, invented) shaped that history. Because this is a religious studies course, we will think about religions as institutions that profoundly influence individual’s epistemologies and actions, as well as the communities, societies, and nations, in which they are located. We will understand race as a social construction that emerged in recent centuries in concert with religious (and scientific) ideas about human origins and anthropologies. Most importantly, we will see how these two constructs - "race" and "religion" - developed and evolved in a particular region of the United States to make visible place-based distinctions and geo-cultural histories. A complicated, multi-scalar picture will emerge of the varied ways in which beliefs, identities, and places influence and are implicated by one another. Diversity, Writing Intensive (when offered in that format).
Prerequisites: ENG 101
Attributes: Diversity Course (New GEP)

REL 328 Global Christianities (3 credits)
Africa is home to the largest population of many Christian denominations in the world and home of the fastest growing concentration of Christians in the world. This course will examine the variety of Christianities in Africa in their global context and explore how Christianity there is influencing and being influenced by Christianity worldwide. Students will learn to problematize, to complicate, and to relentlessly question prevailing religious and cultural ideas about the other, where those ideas originate, how they are constructed and maintained, and who that maintenance and construction serves.
Attributes: Diversity Course (New GEP)

REL 331 Topics in Ancient Judaism (3 credits)
Study of a selected topic in Judaism in the Persian, Hellenistic, and Roman periods. Sample topics include collections of texts, such as the Dead Sea Scrolls or works of Josephus; regions or cities, such as Judaism in Egypt or Jerusalem; a series of events, such as the Maccabean Revolt; an individual or group, such as the Herodian dynasty; or a theme, such as Judean interactions with imperial powers. Course may be taken more than once for credit as topic changes.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate
REL 332 Past/Present in ISR and PLS (3 credits)
This study tour combines excavating the archaeological site of Tel Dor, Israel with travel in the country before, during, and after the excavation season. By participating on a dig, students gain first-hand knowledge of both historical and modern day Israel and the rich history that gives rise to the complexities of the modern Middle East. Digging brings the social, economic, political, intellectual, and religious history of the site "to life" through uncovering and then analyzing the ancient remains—the architecture with associated vestiges of daily life. Students will be part of every step of the archeological process from digging, processing, and analyzing to recording and storage. To witness the full range of historical periods presented in lectures, we will visit the archaeological sites of Caesarea, Megiddo, Sephoris, Beth Shean, Belvoir, Masada and Qumran, spanning the Canaanite through the Crusader periods (20th c. BC – 12th c. AD: the Early, Middle and Late Bronze and Iron Ages, and the Persian Hellenistic, Roman, Byzantine, First Moslem, and Crusader Periods). Before, during and after the excavation season the group will tour the cities of Jerusalem, Tel Aviv, Haifa, and Nazareth, focusing on the historical interaction of Christians, Jews, and Muslims. Religious Difference, Study Tour.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 333 Jerusalem: History & Holiness (3 credits)
The city of Jerusalem has had a nearly unsurpassed historical and religious prominence for three millennia, right up through the present. In this course we will explore Jerusalem from multiple, complementary perspectives. We will consider the history of the city as well as religious developments within the Jewish, Christian, and Muslim traditions. We will begin with biblical Jerusalem and then move forward in time, highlighting periods, events, and ideas that have lasting influence through close studies and discussions of selected topics. We will draw on theoretical approaches to the study of sacred space using tools from the field of comparative religion. Religious Difference
Attributes: Religious Difference Course, Undergraduate

REL 334 Rise of Rab Judaism & Xianity (3 credits)
In the aftermath of the Nazi genocide of Jews in the 20th century, and with new discoveries such as the Dead Sea Scrolls, scholars from many disciplines have sought to better understand the origins of Rabbinic Judaism and Christianity. A growing consensus sees their emergence in the Roman period as the result of a complex series of responses to historical events, particularly the destruction of the Second Temple in Jerusalem in the year 70 C.E. Not only were defining features of each tradition established, but the basic dynamic of their interrelationship was set and would prevail for nearly two millennia. This course provides an in-depth study of religious differentiation by surveying the history, beliefs, and practices of biblical Israel, late Second Temple Judaism, the church as a Jewish eschatological movement, and ultimately Rabbinic Judaism and patristic Christianity in the post-Temple Roman world. Special attention is devoted to the construction of their distinctive and sometimes opposed religious identities. Religious Difference
Attributes: Religious Difference Course, Undergraduate

REL 335 Christian Origins (3 credits)
REL 336 Jewish Thought (3 credits)
This course will introduce students to Jewish theology from biblical to modern times. It will focus on selected topics such as God, revelation, ethics and human nature, chosenness, Jewish views of other religions, messianism, the afterlife, and suffering and evil (with special reference to the Holocaust). Religious Difference.
Attributes: Religious Difference Course, Undergraduate

REL 337 Sabbath in Judaism & Christianity (3 credits)
In our modern lives, it is hard to imagine 'shutting off'. However, the observance of a Sabbath is valued in Judaism and Christianity. This course considers the Sabbath as not just abstinence from work but entry into sacred time. It covers the biblical period through the present, and includes diverse forms of observance and claims for its significance. We will study the Sabbath primarily in the Jewish tradition, and explore the tensions between adherence to biblical models and adaption to new circumstances. We will focus on biblical interpretation as context within which the Sabbath evolved and was (re)defined, and consider the Sabbath as mythological time, as a marker of social identity, and as a practice governed by religious law. We will also consider the Sabbath in the Christian tradition, especially where Christian observance diverges from Jewish observance, such as the shift from Saturday to Sunday. Religious Difference
Attributes: Religious Difference Course, Undergraduate

REL 338 Jew & Chr Responses to Holocaust (3 credits)
The Jewish Holocaust represents the classic negative event of our age, a manifestation of evil transcending the human imagination. This course will examine how Jews and Christians have responded to this event and why it caused changes in both Jewish and Christian self-understandings. The course will introduce students to the personalities, issues and events of the Holocaust, before turning to religious and moral issues such as suffering and guilt. Religious Difference
Attributes: European Studies Course, Faith Justice Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 341 The Quran and Its Interpreters (3 credits)
This course will explore a basic source of Islamic faith and practice, the Quran and its interpretation. We will examine compilation of the Quran, its major themes, and samples from its reception history, both classical and modern. We shall investigate how this 1400-years old text has been interpreted in many different ways, by analyzing legal, theological, mystical, existential, feminist and critical perspectives on it. We shall also make occasional comparisons with the bible and its interpretation. The course will enable the student to have better insight not only on the Quran, but also on the process of interpretation of sacred texts. Religious Difference, Non-Western Studies.
Attributes: Africana Studies Course, Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 3, Undergraduate

REL 342 Women in Muslim Tradition (3 credits)
This course will seek to comprehend and explain some of the major aspects of the life and culture of Muslim women. Women are and have always been an integral part of the Muslim society, contrary to what might be generally portrayed and perceived. Far from being a monolithic culture or society, the Muslim world comprises many diverse cultural tendencies, which makes it difficult to generalize. Thus in order to study Muslim women and their status, role and situation, we will touch upon the difference historical, political, and economic forces that have shaped the culture of the Muslim world as a whole. We will be exploring the religious and social issues that have been central during the modern transformation of Muslims societies and will touch upon how Muslim women are portrayed in the media and the ramifications of such portrayal. Religious Difference, Non-Western Studies.
Attributes: Africana Studies Course, Asian Studies Course, Non-Western Studies (GEP), Theology Level 3, Undergraduate
REL 343 Reason Science & Faith in Islam (3 credits)
This course has three major parts. In the first part, we shall look at primary sources of Islam tradition, that of Qur'an and hadith, which will give us a starting point as we turn to the ways in which miracles have been discussed in the tradition. In the second part, we shall look at two classical Muslim thinkers, Ghazali and Ibn Rushd, who differed on miracles as well as on the relation between reason and faith. Analyzing their disagreement will offer us critical insights about common sense, science, rationality and dynamics of Quranic interpretation. In the third part, we shall look at contemporary interpretation of miracles as well as the relation between faith and reason by looking at a crucial Muslim thinker, Bediuzzaman Said Nursi, as well as some of the other approaches to science in modern era. In this part we shall also engage with the epistemological and scientific implications of Islamic understandings of miracles with the help of two Western thinkers, David Hume and Charles S. Peirce. In the final portion of the course, students will present their research on the issue of the relation between reason, science and faith in Muslim context. Religious Difference, Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Religious Difference Course

REL 351 Indian Buddhism (3 credits)
The development of the Buddhist religion from the time of its founder, Siddhartha Gautama, until its decline in India in the 12th century. The basic teachings of the Buddha, the early Buddhist community or Sangha, the elaboration of the Abhidharma, the rise of Mahayana Buddhism and the development of Tantra will be covered. Religious Difference.
Attributes: Asian Studies Course, Religious Difference Course, Theology Level 2, Undergraduate

REL 352 East Asian Buddhism (3 credits)
The focus of this course will be on the form of Buddhism that has been dominant in East Asia, a form known as “Great Vehicle” or Mahayana Buddhism. After quickly examining the origin and development of Buddhism in India this course will examine its development in China in some depth, as well as its spread to Korea and Japan. Religious Difference, Non-Western Studies.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 353 Buddhist Ethics (3 credits)

REL 354 China & Creation E Asian Buddh (3 credits)
REL 355 Superhumans in Chinese Relig (3 credits)
This course examines four religions of China—Confucianism, Daoism, Chinese “folk” or popular religion, and Buddhism—in their historical and contemporary contexts. As its title suggests, the class is built around an exploration of the important role that superhumans such as demons, dragons, buddhas, and ghosts play in each of these traditions. Taking as our starting point the Ming period (1368-1644) popular novel, Monkey, in this class we will examine a wide range of primary and secondary sources including paintings, websites, poetry, scripture, articles of clothing, miracle stories, newspapers, statuary, and ritual implements. By combining an historical overview of the topic with a hands-on exploration of the manner in which practices and 445 beliefs related to superhumans remains relevant in China today, the class aims to deepen students’ appreciation of the ways religion continues to shape world events, national policy, daily life, and cultural production within and beyond the region.

REL 356 Death & Afterlife Chinese Rel (3 credits)
How do people die? Where does a “good death” take place? What constitutes homicide? Suicide? Righteous violence? How can the living manipulate the experiences of the already dead? What relationship do these parties share? In this course on death and the afterlife in Chinese religions we will pursue answers to these types of questions through the examination of diverse primary and secondary source materials. During the semester we will study the practices and beliefs surrounding death and the afterlife associated with four religious traditions: Confucianism, Daoism, Chinese “folk” or “popular” religion, and Buddhism. The class aims to enhance students’ appreciation of the diversity that exists between and within these religions. At the end of the semester, the successful student will not only be able to describe beliefs and practices related to death and the afterlife in these traditions but will also be able to explain how these are shaped by the social, economic, and political contexts of their propagation. Religious Difference, Non-Western Studies
Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course

REL 357 Food Practices & Chinese Relig (3 credits)
This course examines the practices and beliefs surrounding food associated with five Chinese religious traditions: Buddhism, Confucianism, Daoism, Chinese “folk” or “popular” religion, and Islam. The topics we will cover include religious prescriptions and prohibitions related to food, connections between food-practices and hierarchy, and the roles that food plays in creating and sustaining relationships between, for instance, the living and dead or humans and nonhumans. In addition to studying a variety of texts and objects, we will learn about religious observances related to food cultivation, storage, distribution, preparation, and consumption from guest speakers and through field trips to Philadelphia area sites including a restaurant and a temple. Religious Difference, Non-Western Studies.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course
REL 358 Yoga: Ancient & Modern Paths to Freedom (3 credits)
In this course we will explore the fascinating world of yoga as it has evolved in South Asia (the Indian subcontinent), where it has for millennia been associated with a pronounced South Asian interest in both "world renunciation," and "Axial Age" value that has significantly shaped the worldviews of at least three religions of South Asian origin: Hinduism, Buddhism and Jainism, as well as in the acquisition of power, both "worldly" and "supernatural." We will also examine how yoga traditions were transformed by India's encounter with the West both during colonial times and during the second half of the 20th century. Issues of particular concern, as we trace these developments, will be the historical and cultural contexts of yoga in South Asia, the relationship between yoga practice and South Asian religious beliefs, in particular traditions of religious renunciation, the role of South Asian constructions of concepts of the role of "body" and "mind" in spiritual practice (and the relationships of health, spirituality and religion), the role of yoga as a symbol of the "spiritual East" in the contexts of colonialism and post-colonial nationalism in India as well as it commodification in the contemporary global environment. We will also be examining yoga's "journey to the West" and its status in contemporary American life by examining the genesis of "modern postural yoga," the form of yoga with which most people are familiar (the form of yoga that focuses on the performance of various yoga postures or asana, such as triangle pose, head stand, etc.) While the focus will be on the specific traditions labeled "yoga," the course will also serve as an introduction of the religious of South Asia, since historically yoga and all its varieties has been embedded in specific South Asian religious worldviews. While some attention will be given to Buddhist forms of yoga, the principal focus will be on the traditions associated with the Vedic and Hindu religious traditions, and their modern transformations. Religious Difference, Non-Western Studies.

REL 359 Meditation, Yoga and the Dao (3 credits)
What is the purpose of life, and how is this purpose to be realized? This course will examine four influential Asian spiritual traditions that offer a variety of answers to these questions, two of which originated in ancient India (Buddhism and that component of the Hindu religious traditions known as yoga) and two in China (Confucian and Daoist traditions of self-cultivation). Each of these traditions in its own way argues that the true potential of a human being is realized only through a process of transformation, which leads from a condition of deficiency (characterized variously as suffering, ignorance, lack of vitality, imbalance, and ultimately mortality) to a condition of true freedom and happiness. The course will examine these traditions both in their original Asian contexts and in the adaptations in Western culture, paying particular attention to research that provides scientific models for thinking about the value of such transformative practices. Religious Difference.

REL 360 Ancient Greek Religions (3 credits)
This course will be an introduction to the world of thought and practice that contemporary scholars call ancient Greek religion. The main materials of the course will be drawn from the ancient Greeks themselves—from poets, artists, playwrights, and mythographers. Emphasis will be placed on the myths and festivals that formed the fabric of ancient Greek religious practice and outlook. Ancient perspectives on cosmos (universe), polis (city and its society), psyche (self) and theos (gods) will be explored. Religious Difference, Ancient Studies.

REL 363 Ethical Traditions of East Asia (3 credits)
REL 370 Spec Topics in Relig Studies (3 credits)
Concentrated focus on a selected theme in theology or religion at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes. Other Certifications vary by section.

REL 380 Women & Religion in Anc Wrld (3 credits)
Investigation of issues related to women and gender through case studies from selected religions in periods from the Paleolithic to Late Antiquity. Primary sources will illustrate problems such as gender identity, difference, sameness, subordination, privilege, cultural dynamics, marginalization, oppression, resistance, and the role of women in biological, social and cultural change. Examples may include materials from the complex of Israelite, ancient Jewish, and early Christian religions, but appreciation for diversity will be encouraged by giving significant attention to religions outside of these traditions. Emphasis will be place on developing epistemological, theoretical, and methodological awareness and critical understanding of the implications for the broader study of religion, gender, and human diversity. Religious Difference, Diversity.

REL 382 Yoga: Ancient & Modern Paths to Freedom (3 credits)
In this course we will explore the fascinating world of yoga as it has evolved in South Asia (the Indian subcontinent), where it has for millennia been associated with a pronounced South Asian interest in both "world renunciation," and "Axial Age" value that has significantly shaped the worldviews of at least three religions of South Asian origin: Hinduism, Buddhism and Jainism, as well as in the acquisition of power, both "worldly" and "supernatural." We will also examine how yoga traditions were transformed by India's encounter with the West both during colonial times and during the second half of the 20th century. Issues of particular concern, as we trace these developments, will be the historical and cultural contexts of yoga in South Asia, the relationship between yoga practice and South Asian religious beliefs, in particular traditions of religious renunciation, the role of South Asian constructions of concepts of the role of "body" and "mind" in spiritual practice (and the relationships of health, spirituality and religion), the role of yoga as a symbol of the "spiritual East" in the contexts of colonialism and post-colonial nationalism in India as well as it commodification in the contemporary global environment. We will also be examining yoga's "journey to the West" and its status in contemporary American life by examining the genesis of "modern postural yoga," the form of yoga with which most people are familiar (the form of yoga that focuses on the performance of various yoga postures or asana, such as triangle pose, head stand, etc.) While the focus will be on the specific traditions labeled "yoga," the course will also serve as an introduction of the religious of South Asia, since historically yoga and all its varieties has been embedded in specific South Asian religious worldviews. While some attention will be given to Buddhist forms of yoga, the principal focus will be on the traditions associated with the Vedic and Hindu religious traditions, and their modern transformations. Religious Difference, Non-Western Studies.

REL 383 Ancient Greek Religions (3 credits)
This course will be an introduction to the world of thought and practice that contemporary scholars call ancient Greek religion. The main materials of the course will be drawn from the ancient Greeks themselves—from poets, artists, playwrights, and mythographers. Emphasis will be placed on the myths and festivals that formed the fabric of ancient Greek religious practice and outlook. Ancient perspectives on cosmos (universe), polis (city and its society), psyche (self) and theos (gods) will be explored. Religious Difference, Ancient Studies.

REL 384 Ancient Greek Religions (3 credits)
This course will be an introduction to the world of thought and practice that contemporary scholars call ancient Greek religion. The main materials of the course will be drawn from the ancient Greeks themselves—from poets, artists, playwrights, and mythographers. Emphasis will be placed on the myths and festivals that formed the fabric of ancient Greek religious practice and outlook. Ancient perspectives on cosmos (universe), polis (city and its society), psyche (self) and theos (gods) will be explored. Religious Difference, Ancient Studies.

REL 395 Approaches to Study of Religion (3 credits)
A selected survey of the variety of theories and methodological approaches employed in the modern academic study of religion. Approaches to be examined in class include the psychological, sociological, anthropological, archeological, theological, feminist, and socio-biological. Classic thinkers may be included, but most of the course will focus on authors who represent recent developments, such as the new evolutionary approaches to religion. Course work will emphasize direct engagement with the writings of the major theorists themselves (reading and analysis of primary texts). Faith and Reason. Faith and Reason, Writing Intensive (when offered in that format)

REL 470 Spec Topics in Relig Studies (3 credits)
REL 493 Ind. Research in Religion (3 credits)
Directed independent reading and research supported by discussion with other students and instructors. Open to senior theology majors and minors and other senior students by permission of the Chair. Does not fulfill the Theology/Religious Studies GEP.

REL 493 Ind. Research in Religion (3 credits)
Directed independent reading and research supported by discussion with other students and instructors. Open to senior theology majors and minors and other senior students by permission of the Chair. Does not fulfill the Theology/Religious Studies GEP.

Attributes: Theology Level 3, Undergraduate

Attributes: Theology Level 3, Undergraduate
REL 494 Ind. Research in Religion (3 credits)
Directed independent reading and research supported by discussion with other students and instructors. Open to senior theology majors and minors and other senior students by permission of the Chair. Does not fulfill the Theology/Religious Studies GEP.
Attributes: Undergraduate

REL 495 Theory & Method Study Religion (3 credits)
A survey of a wide array of theories and methods employed in the modern study of religion, such as psychological, sociological, anthropological, phenomenological, feminist, socio-biological, and other approaches. Both classic and recent theoretical models will be discussed, with special interest in current methodological developments in the academic study of religion. Emphasis will be placed on direct engagement with the writings of the major theorists themselves. Open to junior and senior theology majors and minors and other junior and senior students by permission of the Chair. Does not fulfill the Theology/Religious studies GEP.
Prerequisites: PHL 154 and THE 154

Theology

THE 150 First Year Seminar (3 credits)
Seminar subjects vary.
Attributes: First-Year Seminar, Undergraduate

THE 154 Faith, Justice & the Cath Trad (3 credits)
This course is designed to introduce students to the values that have shaped the Roman Catholic institution that they have chosen to attend and the ways in which these values are historically grounded in Roman Catholic Doctrine and shaped by its present articulation. It will therefore introduce students to central theological themes (such as the doctrines of Christ, the human person, sin/grace/salvation, and sacramentality) and moral claims (such as the preferential option for the poor, solidarity, and the common good). It is a course concerned with elemental questions of meaning and action and, as such, seeks to give students the skills they need not only to understand and analyze the texts and concepts under consideration but also to put these ideas and texts into dialogue with contemporary issues, their own lives, and the world. This course will also introduce students to the critical, academic study of religion and to the particular problems that such study raises (e.g., historicity, pluralism, faith versus scientific knowledge of the world). Through a critical examination of primary texts, students will investigate the historic grounds of faith and will learn how and why a concern for social, economic and political justice is rooted not only in the Christian Gospel but also in fundamental Christian doctrines and liturgical practices. This is an academic course that requires the student to engage the course material in a critical fashion so as to facilitate her/his mastery of it.
Signature Core Course for all Students
Attributes: Signature Course (New GEP), Theology Level 1, Undergraduate

THE 211 Hebrew Bible (3 credits)
This course will examine the biblical traditions and texts of the Hebrew Scriptures as products of particular historical and cultural communities, and as literary and theological documents. Religious Difference
Attributes: Religious Difference Course, Theology Level 2, Undergraduate

THE 221 Intro to the New Testament (3 credits)
This course will examine the biblical traditions and texts of the Christian Scriptures as products of particular historical and cultural communities, and as literary and theological documents.
Attributes: Theology Level 1, Undergraduate

THE 241 Intro to Systematic Theology (3 credits)
An investigation into the sources, norms, and key categories of Christian theology from its origins to the present. The ancient sources, contemporary issues, and related political, social and economic contexts will be studied using analytical, autobiographical, and narrative resources. Formerly Introduction to Christian Thought.
Attributes: Theology Level 1, Undergraduate

THE 261 Christian Social Ethics (3 credits)
This course provides a general overview of the forms and teachings of Christian ethics and how they impact the broader society. Specific social forms based upon human rights, theological virtues, conceptions of justice and the common good will be analyzed through teachings on war, the conquest, race, gender, class and the relationship between church and state. Particular attention will be given to the recent papal encyclicals. Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Health Care Ethics Course, Theology Level 1, Undergraduate

THE 270 Special Topics in Theology (3 credits)
Concentrated focus on a selected theme in theology at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes. Certifications differ by section.
Attributes: Theology Level 2, Undergraduate

THE 323 The Psalms (3 credits)
The most influential of all Old Testament books on Christian spirituality, the Psalms offer a special glimpse into the religious life of ancient Israel. Placed within their larger historical background, psalms of various types (laments, hymns, royal and wisdom psalms, etc.) will be studied for their literary and religious character. The question of the Psalter’s theology as a whole will be addressed as well. Cross listed with REL 323.
Attributes: Ancient Studies Course, Theology Level 3, Undergraduate

THE 324 NT Chr Atts to Jews/Judaism (3 credits)
Although the New Testament conveys God’s love in Christ to billions of readers, over the centuries “erroneous and unjust interpretations...relative to the Jewish people” (Pope John Paul II, 1997) promoted hostility and violence. This course explores this recurring “anti-Jewish” dynamic with a special focus on contemporary Catholic teaching on Gospel interpretation and particularly problematic scriptural passages.
Attributes: Theology Level 3, Undergraduate

THE 325 Synoptic Gospels (3 credits)
A study of each Synoptic Gospel in its own unique historical and cultural context with special emphasis on the application of the most recent critical methodology. Students will grapple with the problems of historical distance by applying recent literary and historical methods to questions such as the identification of literary genre, narrative structure, agendas and target audience, rhetorical techniques, and tensions between author’s creativity and use of older sources. Cross listed with REL 325.
Attributes: Ancient Studies Course, Theology Level 3, Undergraduate

THE 326 Letters of Paul (3 credits)
The aim of this course is to examine the main characteristics of Paul’s faith as found in his epistles. The course will establish the broad argument of each of the letters, their historical setting, and their literary and rhetorical character, and demonstrate how these elements work together to express Paul’s gospel. Cross listed with REL 326. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Ancient Studies Course, Faith-Reason Course (New GEP)
THE 331 Early Christn Thought (3 credits)
An historical and theological investigation of the Christian community during the first four centuries. Among the topics to be considered are the relationship of the early church to classical culture, conflicts over issues of orthodoxy and heresy, and the links between historical context and early Christian doctrinal claims. The course will also investigate the development of the canon of Scripture, Christian leadership structures, the creeds, and early Christian traditions of martyrdom, monasticism, the sacraments and worship.

Attributes: Theology Level 3, Undergraduate

THE 333 Knowl & Love of God - Mid Ages (3 credits)
A study of major figures in the history of Latin Christian thought from 400 C.E. to 1500 C.E. with a concentration on theories concerning how we know God and what it means to love both God and neighbor. Emphasis is on the reading of primary sources, both scholastic and monastic, in translation. Course content will require that we consider who God is, who we are in relation to God, Jesus Christ's role in both our knowledge of God and our capacity to love, and the relationship between faith and reason. Faith and Reason, Writing Intensive (when offered in that format).

Prerequisites: PHL 154 and (THE 154 or THE 221)

Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 334 Revolt, Reform, Reunion? (3 credits)
This course explores the religious, social, political, and cultural factors that precipitated the Protestant Reformation, with particular emphasis given to theological issues, such as justification, the role of scripture in the life of the church, church structure, the nature of ministry, and the sacraments. In addition, the course examines the progress that has been made in the 20th and 21st centuries to overcome the difference of the 16th century as a result of ecumenical dialogue between Roman Catholic Church, various Protestant churches, and the Anglican Communion. Writing Intensive (when offered in that format)

Attributes: Theology Level 3, Undergraduate

THE 335 Gendr & Christian Spirituality (3 credits)
An examination of some of the spiritual classics written by both the men and women of the Christian faith. Emphasis on reading and study of primary texts, largely medieval, with an eye to any discernible differences between men as spiritual authors and women as spiritual authors. Course will also examine the given perceptions of gender, spirituality and eroticism. Diversity and Writing Intensive (when offered in that format)

Attributes: Diversity Course (New GEP), Theology Level 3, Undergraduate

THE 339 Darwin, Dogma, and Ecology (3 credits)
In his 2015 encyclical, On Care for our Common Home (Laudato Si’), Pope Francis makes an urgent appeal to “every person living on this planet” for dialogue and action in the face of impending environmental collapse. Of course, the pope’s argument is grounded in Roman Catholic teaching; however, his critique is more philosophical than theological. It concerns not just the detrimental effect modern technology has had on the environment, but, more fundamentally, how modern science understands our knowledge of the world, and how in turn this understanding has adversely affected human action. The course will investigate the development within Catholicism of an evolutionary worldview that critically embraces neo-Darwinian science, but also distinguishes between religious faith-traditions and secular faith-traditions, suggesting how the former might prove more effective than the latter in addressing the ecological crisis. Faith and Reason

Prerequisites: PHL 154 and (THE 154 or THE 221)

Attributes: Faith-Reason Course (New GEP), Undergraduate

THE 340 Atheism and the Case for God (3 credits)
"Over the past twenty years several best-selling authors have mounted a concerted attack on religion, advancing an argument that is, purportedly, so fresh and compelling as to earn them the title, "The New Atheists." But the more important and enduring cultural phenomenon affecting religious practice today is the secularism that has increasingly dominated modern civilization, religious belief and practice became significant options rather than cultural givens. This course deals with the question of whether secularism arose in reaction to religion, or as one of religion's greatest success stories. Much of the analysis will be historical: When and how did the secular movement arise? What notion of "God" did it reject? But the course will also address questions that are more philosophical and theological in nature: Has natural science disproven religion? And is secularism properly understood as necessarily concurrent with scientific advance? Faith and Reason."

Prerequisites: PHL 154 and (THE 154 or THE 221)

Attributes: Faith-Reason Course (New GEP), Undergraduate

THE 341 Jesus through the Centuries (3 credits)
An inquiry into Western Christianity's understandings of the meaning and significance of Jesus Christ, including New Testament Christologies, the controversies of the 4th and 5th century councils, medieval atonement theories, post-Enlightenment problems and reformulations, and contemporary liberation Christologies. Students will be encouraged to develop their own Cristological position as an integral part of the course. Faith and Reason, Writing Intensive (when offered in that format)

Prerequisites: PHL 154 and (THE 154 or THE 221) and ENG 101

Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 342 Does God Exist? (3 credits)
"Is there a God?" is the first and foremost question for many. In this course, students will explore a variety of theories regarding the question of whether or not a singular (monotheistic) God exists. The arguments that address this age-old question will be evaluated epistemologically, that is, through the lens of what kind of knowledge is being considered and how this knowledge is attained. In grappling with the topic, the course will also consider such related questions as the following: What is there a great nothingness and silence from the heavens? What is the meaning of life? Can we attain true happiness and fulfillment in this life? If God exists, why is there so much evil, violence and hunger in the world? Does life end at death or is it just changed? Faith and Reason

Prerequisites: PHL 154 and (THE 154 or THE 221)

Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 343 Theology of Word and Sacrament (3 credits)
The course explores the Christian's experience of God speaking and acting in the world and the Christian's response of listening and praising God in the Christian community. The interrelationship of the words and actions of God and His people are examined.

Attributes: Theology Level 3, Undergraduate

THE 344 Theology of the Church (3 credits)
The spirit of the Church as Christian community, the people of God who witness to the Christian mission between the resurrection of Christ and his Parousia. The foundations of the church in the Scriptures, modern interpretations of its composition, relationship to the world, and goals. Readings from Vatican II and contemporary theologians.

Attributes: Theology Level 3, Undergraduate
THE 345 Evil as a Theological Problem (3 credits)
An examination of the profound challenge both to religious understandings of a meaningful and ordered existence and to theological claims regarding an omnipotent, beneficent deity rendered by the occurrence of evil and the suffering that accompanies it. The course will contextualize particular manifestations of evil and investigate how evil is identified, explained, challenged and interpreted through texts in theology and popular culture, with particular attention to its modern and contemporary manifestations. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 211)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 346 Salvation as Story & Belief (3 credits)
In this course, redemption is presented in its two simultaneous dimensions— the unique and salvific role of Christ in the plan of Salvation, as well as the role of individual persons in response to Christ. This two-fold nature of salvation results in the paradoxical formulation of redemption as both an accomplished event as well as an unfinished, developing relationship. The mysteries of the Incarnation will be investigated as the already, complete aspect of redemption, while an inquiry into human morality and moral values will address the developing, relational dimension of redemption. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 347 Death and Rebirth (3 credits)
The course deals with the systematic theological topic of eschatology, the study of the "last thing" (eschaton), which is God or the Reign of God; and the "last things" (eschatia), which are death, individual judgment, heaven, hell, purgatory, the Second Coming of Christ, the resurrection of the body, general judgment, and the consummation of all things in the perfection of the Kingdom of God. The course includes a survey of traditional, (especially biblical) approaches to eschatology, but its methodology will proceed largely "from below" as an exercise in "hope seeking understanding." Thus, the course will include an ecumenical perspective, and community service in the form of care for the dying (especially hospice). Students will be expected to make critical judgments concerning cultural practices relating to care of the dying, treatment of the dead, and the acceptance of death as an event of life.
Attributes: Health Care Ethics Course, Theology Level 3, Undergraduate

THE 348 Theology and Science (3 credits)
An exploration of the Galileo Case, Evolution and contemporary Big Bang Cosmology shows how the relationship between theology and science has developed to the present day. The scientific, methodological and theological issues will be critically evaluated for their significance today. Students will thus be provided with the basic tools for understanding and participating in the contemporary dialogue between science and theology. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 349 Theology of Disability (3 credits)
This course will examine the relationship between the way in which human disability is approached, on the one hand, from the perspective of the theological anthropology found in the Christian faith and, on the other hand, how it is approached by other contemporary discourses. More specifically, the course will examine the adequacy of certain contemporary approaches to disability and inquire into ways in which the Christian theological tradition can contribute to the project of rethinking and reimagining the nature of human disability as well as the nature of the human person in general. Diversity
Attributes: Diversity Course (New GEP), Faith Justice Course, Undergraduate

THE 350 The Beauty of God (3 credits)
This course explores how beauty serves as a way to God. In the history of all three major monotheistic faith traditions (Judaism, Christianity, and Islam), it was believed that God identified himself through various divine names. Focusing primarily, though not exclusively, on the Judeo-Christian tradition, this course examines beauty as one of these divine names. Consequently, the mode of theology that will ground this exploration is what has recently come to be called theological aesthetics. As a mode of theology, or a theo-logic, theological aesthetics draws from the principles of human reason as the art of thinking well (hence as a logic) and the event of divine revelation. Insofar as it unites theology with beauty, a theological aesthetic not only draws from the grammar, language, and thinking associated with beauty and art, but attempts to tie these more deeply to both human reason and divine revelation. Taking its cue from aesthetic experience, this course is divided into three basic parts: part 1 is the encounter with the object of interest, namely God's existence; part 2 examines the subjective aspects of the encounter, namely, the socio-cultural dimensions of how we come to understand God, "religion," faith, etc.; and part 3 examines the results inspired by the encounter, namely, the reception of divine beauty in revelation, music, responding to evil and human suffering, and mysticism. Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 351 Ignatian Spirit in Jesuit Trad (3 credits)
An examination of and reflection on the religious vision of Ignatius of Loyola and its embodiment in the life of the Society of Jesus, including a reading of the Spiritual Exercises. An overview of the major movements and influential persons in Jesuit history, a study of Jesuit spirituality and theology, and a consideration of the role of the Jesuits in broader church life.
Attributes: European Studies Course, Theology Level 3, Undergraduate

THE 352 Recent Trends in Roman Cathol (3 credits)
This course will deal with the documents of Vatican II, current understandings of the sacraments of the Catholic Church, the movements towards unification among the Christian churches, recent suggestions for the exercise of the papacy in the future, and the modern emphasis on social justice as part of Catholic life and practice.
Attributes: Theology Level 3, Undergraduate

THE 353 American Catholicism (3 credits)
This course deals with the diverse dynamics within the life of the Roman Catholic Church in the United States with a main focus on the 19th and 20th centuries. It will study the theological development of this indigenous Catholic tradition and situate it within its broader historical and cultural context.
Attributes: Theology Level 3, Undergraduate
THE 354 Beauty & Consciousness@TheMovies (3 credits)
This course is designed to enable students to examine the relationship between faith and reason in the context of beauty and consciousness. It will do this in two ways. First, with the goal to acquiring a relative mastery, it will offer students an opportunity to engage and explore certain themes pertaining to beauty and consciousness that are relevant to major figures within the Christian theological tradition. Second, it will enable students to demonstrate their relative mastery over these themes by bringing them into conversation with contemporary presentations of those themes as they appear in cinematic form. Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 355 Superhumans/Chinese Religions (3 credits)
This course examines four religions of China—Confucianism, Daoism, Chinese “folk” or “popular” religion, and Buddhism—in their historical and contemporary contexts. As its title suggests, the class is built around an exploration of the important role that superhumans such as demons, dragons, buddhas, and ghosts play in each of these traditions. Taking as our starting point the Ming period (1368-1644) popular novel Monkey, in this class we will examine a wide range of primary and secondary sources including paintings, websites, poetry, scripture, articles of clothing, miracle stories, newspapers, statuary, and ritual implements. By combining an historical overview of the topic with a hands-on exploration of the manner in which practices and beliefs related to superhumans remain relevant in China today, the class aims to deepen students’ appreciation of the ways religion continues to shape world events, national policy, daily life, and cultural production within and beyond the region.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Theology Level 3, Undergraduate

THE 356 Liberation & Pol Theologies (3 credits)
An inquiry into the critique and vision brought to theology by the perspective of the poor and oppressed in the 20th century via the paradigm known as liberation and political theology. An extensive examination of the context and methods of Latin American liberation theology followed by an examination of European political theology and African American liberation theology. Other topics for consideration may include the work of Hispanic, Asian, African, and North American feminist liberation theologians. Faith and Reason, Writing Intensive (when offered in that format). Latin American Studies.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith Justice Course, Faith-Reason Course (New GEP), Health Care Ethics Course, Theology Level 3, Undergraduate

THE 357 Feminist Theologies (3 credits)
An inquiry into the sources, contexts, methods, and symbols of Christian theology from the perspective of the women in the process of human liberation. The roles of women in church and society, the history of the women’s movement in North America, and the experiences and theological perspectives offered by feminists of differing racial, ethnic and socio-economic background will be examined. Feminist reflections within other religious traditions may also be considered. Faith and Reason, Writing Intensive (when offered in that format).
Prerequisites: PHL 154 and (THE 154 or THE 221) and ENG 101
Attributes: Faith Justice Course, Faith-Reason Course (New GEP), Gender Studies Course, Theology Level 3, Undergraduate

THE 358 Faith, Justice & Jesuit Miss (3 credits)
This course will challenge students to reflect theologically on the historic grounds of the Christian faith and how and why, for many throughout Christian history, a concern for social, economic, and political justice is rooted in the Christian Gospel. It will also familiarize students with the historical, social, religious, economic, political, educational and cultural context of contemporary Bolivia; teach students how to stand outside their own epistemological system and more fully understand the reality of the cultural “other,” and assist students to integrate this knowledge into a complex understanding of the demands of faith and the work of justice within the specific context of contemporary Bolivia. The class will spend 10 days over Spring Break in Bolivia visiting the mission sites of the Jesuit organization Fe y Alegria. Ethics Intensive, Non-Western Studies. Latin American Studies.
Attributes: Ethics Intensive (New GEP), Latin American Studies Course, Non-Western Studies (GEP), Theology Level 3, Undergraduate

THE 359 Religion, Violence & Terrorism (3 credits)
Religiously motivated violence constitutes one of the most important socio-economic/political factors in the twenty-first century. This course will probe both the roots and the recent manifestations of violence and terrorism in the name of religious convictions and traditions. Through rigorous investigation of both primary and secondary literature, this course will provide a thorough presentation of the theological roots of religious violence, as well as its contemporary manifestations. The course will unfold in three parts: 1) the roots of religious violence: scripture, sacrifice and ancient conquest; 2) cosmic struggle: the violence of apocalypticism then and now and 3) contemporary manifestations: sexism and racism; recent religious wars and genocides; and terrorism. Globalization.
Attributes: Globalization Course (New GEP), Theology Level 3, Undergraduate

THE 360 Religious Vision in Film/Ficti (3 credits)
This course introduces fiction and films that are driven by religious sensibilities and theological insights. Issues rising throughout the course include deity, sin, forgiveness, grace, redemption, virtue, and community. Student expectations entail critical analysis and theological reflection, as well as a very basic grasp of the phenomenon of human religiosity.

THE 361 Catholic Social Teaching (3 credits)
The purpose of this course is to familiarize students with the tradition of Catholic social teaching with a view to developing skills for critical reading and integrated appropriation of these documents. Beginning with Rerum Novarum (1891), we will examine the most important papal, conciliar, and episcopal social teaching texts up to the present time, identifying foundational principles, tracing central theological, ethical, and ecclesial concerns, and locating each document in its proper historical context. Ethics Intensive.

THE 362 Fth & Jus: Scrupt & Soc Values (3 credits)
How and why a concern for social, economic, and political justice is rooted in and demanded by the Christian gospel, and what this has to say about the nature and mission of the church. An overview of the social teaching of the Catholic Church in the past century with emphasis on the thought of the most recent popes. Consideration of certain social justice issues: war and peace, crime and punishment, world hunger, racism, human rights, and the international economic order.
Attributes: Faith Justice Course, Health Care Ethics Course, Latin American Studies Course, Theology Level 3, Undergraduate
THE 363 Ignatius & Cty: Jesuit Urb Mis (3 credits)
This course reviews the theology and spirituality of Ignatius of Loyola and how his early followers in the Society of Jesus established a particular missiology. Study of the network of ministries created by the first generation of Jesuits in Rome will the first part of the course with particular emphasis on the urban context. An examination of how that missiology has been used in and around the City of Philadelphia in the 18th, 19th and 20th centuries will also be included in the course.
Attributes: Theology Level 3, Undergraduate

THE 364 Pursuit of Love: Sexual Ethics (3 credits)
This course explores some basic questions: What is love, and what does it mean for Christians to try to live as God-like lovers in all that they do, and specifically in living as sexual beings? If love is considered a necessary context for genital involvement, what specific characteristics must this love have in order to render its genital expression morally acceptable? How do we distinguish morally appropriate genital activity from that which is not? These questions are addressed within the general theological framework of Christianity that recognizes human sexuality as a multi-faceted reality involving our bodies, minds and hearts. In dealing with the moral questions and arguments surrounding premarital sexual activity, contraception, same-sex genital acts, masturbation and abortion, how can we resolve the possible tension that may arise between the promptings of our personal conscience and the official moral teachings regarding sexuality that are put forth by the Catholic Church, other Christian churches and some major religions of the world? Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Health Care Ethics Course, Theology Level 3, Undergraduate

THE 365 Marriage Same Sex Union Divorc (3 credits)
The Judeo-Christian tradition regards marriage as a divinely instituted reality designed, not only to enhance the humanity of men and women and to establish a stable environment for the nurturing of children, but to serve also as a reminder and embodiment of God's loving relationship with His people. This course lays bare the tension between the biblical and theological texts highlighting the sacred status of marriage and the many secular aspects of contemporary society that portray marriage as "just a piece of paper" or as little more than a legal fiction. This tension shapes discussions of the psychological, social and ethical dimensions of love, marriage, and sexuality. People who marry today do so in the face of numerous questions and challenges: the "hook-up" culture, accepted, even expected, cohabitation, the extended meaning of "family," recognition of same-sex civil unions and/or marriages, undefined gender roles, and high divorce rates that are supported, perhaps even encouraged, largely by "no-fault" divorce laws. These issues are addressed, along with the ethical arguments surrounding various kinds of reproductive technology and family-planning methods. In addition, the course explains the Catholic Church's laws regarding the "impediments" or obstacles to a valid marriage, and the granting of annulments, and delves, finally, into the social, ethical and theological controversies surrounding divorce and remarriage, with particular attention given to their effects on children. Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Theology Level 3, Undergraduate

THE 366 Christian Medical Ethics (3 credits)
With the technological inauguration of the age of new medicine we have at our disposal more means than norms for intervention in the life, health, and death processes of human existence. Even more crucial is the question: "Should we do everything that is within our capacity to do?" Consideration will be given to the contribution of Christian ethicists in their reflection on the issues involved in abortion, reproductive engineering (AIH, AID, IVF, cloning, etc.), care of the dying, euthanasia, medical experimentation, organ transplantation, and the rights of patients. Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Health Care Ethics Course, Latin American Studies Course, Theology Level 3, Undergraduate

THE 367 Suffering and Death (3 credits)
 Dramatic advances in medical information and technology increase daily and these advances are being implemented almost immediately. As a result, people who have succumbed to their illnesses only a few years ago can now have their lives extended by being treated aggressively. This treatment does prolong the lives of many people, but in the process it also causes people to endure much pain and suffering. As a result many Christians are focusing on the age old question of "why do innocent openly have to suffer?" Various answers have been given to this question by society: Dr. Kevorkian's "death machine," Oregon's "Death With Dignity Act," direct abortion of defective fetuses, even infanticide. It has been said that "only the suffering human person knows that he/she is suffering and wonders why; and he/she suffers in a humanly speaking still deeper way if he/she does not find a satisfactory answer." This course will examine the meaning of personal suffering, as well as the Christian response to the suffering of others from biblical and systematic perspectives. Students will then apply these insights to two specific medical ethics issues—physician-assisted suicide and medical treatments for handicapped newborns.
Attributes: Theology Level 3, Undergraduate

THE 368 Just Hlth Care in Dev Nations (3 credits)
An investigation of adequate health care as a fundamental human right. The course will proceed from the premise that socially induced needs are a result of historical development of material and social conditions, coupled with a social consensus that some things are necessary for happiness, social life, or some other goal. It will consider the inability of many societies to supply adequate health care as an issue of basic personal dignity, a claim against society, and as a matter of justice. The course will examine the issue of just health care for all peoples from both public health and ethical perspectives. Ethics Intensive, Globalization, Latin American Studies.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Globalization Course (New GEP), Health Care Ethics Course, Undergraduate

THE 370 Special Topics in Theology (3 credits)
Concentrated focus on a selected theme in theology or religion at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes. Other certifications differ by section.
Attributes: Theology Level 3, Undergraduate
THE 371 Christianity and Media (3 credits)
This course offers an opportunity to explore the relationships between Christianity and the wide variety of modes of communication that we refer to as “media.” In the course, students will engage in two basic tasks. First, students will engage in the descriptive task of identifying the current state of the media with respect to religion. How are religions and religious issues portrayed in various media? How do Christians understand and use media for their various purposes? Second, the class will engage in the normative task of judging the social and moral worth of the various modes of communication using the resources of the discipline of Christian social ethics. Does the current media landscape support human flourishing and the just society? If so, what should be done to ensure that this continues? If not, how might it be shaped so that it supports such development? Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Health Care Ethics Course, Theology Level 3, Undergraduate

THE 372 Technology Ethics (3 credits)
This course will engage in critical reflection on technology, its role in human lives, and its impact on society. The course will examine various theories of the nature technology. It will also investigate particular resources available within the discipline of Christian social ethics that are central to understanding and evaluation the moral worth of various technologies, such as common good, justice, human dignity, development, and solidarity. These conceptual tools will then be used to explore the ethical implications of technology will be the assessment of a variety of particular cases of both commonplace and emerging technologies (e.g., civil engineering, cellular telecommunications, social media, surveillance, digital divide, data security, product manufacturing and disposal, intellectual property, body modification, and the post-human movement). Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 373 Economic Ethics (3 credits)
This course will examine the historical, social and philosophical conditions that gave rise to economics as a distinct discipline. Both the theory and practice of economics will be subjected to an ethical analysis drawing upon biblical and theological sources, particularly emphasizing Catholic teaching. Different economic systems will be compared and different forms of economic life and teaching within the Christian church will be discussed. Ethics Intensive, Globalization.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Globalization Course (New GEP), Theology Level 3, Undergraduate

THE 374 War and Peace (3 credits)
Throughout Christian tradition, theologians have argued for and against Christian participation in war. This course will examine these arguments through reading relevant biblical, theological, historical and philosophical materials. We may explore how the various arguments have been represented (or misrepresented) in popular culture through film. Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 375 Environmental Ethics (3 credits)
The course will explore the ethical implications of human interaction with the natural world, focusing on themes such as sustainability, stewardship, and justice. It will engage with theological, philosophical, and scientific perspectives on environmental issues, with particular attention to the role of faith communities in environmental stewardship. Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 376 Economic Ethics (3 credits)
This course will engage in critical reflection on technology, its role in human lives, and its impact on society. The course will examine various theories of the nature technology. It will also investigate particular resources available within the discipline of Christian social ethics that are central to understanding and evaluation the moral worth of various technologies, such as common good, justice, human dignity, development, and solidarity. These conceptual tools will then be used to explore the ethical implications of technology will be the assessment of a variety of particular cases of both commonplace and emerging technologies (e.g., civil engineering, cellular telecommunications, social media, surveillance, digital divide, data security, product manufacturing and disposal, intellectual property, body modification, and the post-human movement). Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 377 Natural Law and Ethics (3 credits)
This course will explore the classical natural law tradition, focusing on its historical development, key figures, and contemporary applications. It will engage with theological, philosophical, and legal perspectives on the role of reason in understanding moral and legal norms. Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 378 Political Ethics (3 credits)
This course will examine the ethics of political institutions and their role in society. It will engage with theological, philosophical, and political perspectives on the nature of politics, democracy, and civil society. Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 379 Social Justice and Ethics (3 credits)
This course will explore the ethical dimensions of social justice, focusing on issues such as poverty, inequality, and human rights. It will engage with theological, philosophical, and social science perspectives on the role of ethics in addressing social problems. Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 380 Interreligious Dialogue (3 credits)
This course will involve both study and immersion: study of the history and theology of dialogue chiefly but not exclusively in Catholic Christian circles; immersion by writing and by regular involvement with local temples, mosques, synagogues, meditation centers, etc. Lecture with discussion and meditation. Reflection and research papers, focusing on one’s own interior dialogue as well as exterior dialogue. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

THE 381 One True Religion? (3 credits)
This course examines Christian responses to two important questions: Can the world's many religions, which have different beliefs and different practices, all be true, or must only be true? If, as Christianity has claimed throughout its history, salvation is possible only through the mediation of Jesus the Christ, does this mean that anyone who is not Christian is not "saved," or is consigned to hell? Among the topics explored: classical and contemporary theories of truth; the relationship of truth and salvation; Christian theories of exclusivism, inclusivism, pluralism, and particularism. Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 382 Religion, Society and God (3 credits)
This course is an inquiry into the theological and philosophical nature of religion. What is the origin and development of religious traditions? Are there characteristics which are universal and how does theology and philosophy view them? The course will look at diverse modes of religious experience and conceptions of God, human existence and community. The philosophical and theological perspectives on the meaning of belief, symbolism and ritual in the spiritual quest for the transcendent. Faith and Reason
Prerequisites, Writing Intensive (when offered in that format)
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate, Writing Intensive Course- GEP

THE 383 Jewish/Chnst: Theologies Compared (3 credits)
The course studies fundamental religious questions as understood from various Jewish and Christian perspectives. Christian and Jewish students will gain an understanding of the other religious community while also deepening their understanding of their own. Other students will encounter the two traditions through a comparative lens. Topics to be discussed include the experience of God; the Bible; how Christians and Jews understand their relationship to God and the world; worship and prayer; and the destiny of the created universe. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

THE 384 Jews/Chr: Theologies Compared (3 credits)
The course studies fundamental religious questions as understood from various Jewish and Christian perspectives. Christian and Jewish students will gain an understanding of the other religious community while also deepening their understanding of their own. Other students will encounter the two traditions through a comparative lens. Topics to be discussed include the experience of God; the Bible; how Christians and Jews understand their relationship to God and the world; worship and prayer; and the destiny of the created universe. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

THE 385 Jewish Jesus as Savior (3 credits)
In the wake of the groundbreaking conciliar declaration, Nostra Aetate, the Catholic Church now authoritatively teaches that “Jesus was an always remained a Jew,” and that the Jewish people remain in an eternal covenant with Gold. These teachings challenge Christians to creatively re-imagine Jesus’ Jewish life and also how they think about Christ as the Savior of all humanity. This course considers relevant New Testaments texts, research into the Jewishness of Jesus, the development of the Church’s Christological tradition, the rise and demise of anti-Jewish theologies, and new theological approaches being proposed today. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate
THE 387 Jews&Chr: Entwined Histories (3 credits)
Why has the relationship between Christians and Jews been frequently hostile? How have the two communities influenced each other, for good and for ill? Is there a relationship between the Nazi genocide and historical church teaching? Has there been improvement in the two traditions’ relationship in recent decades? What are today's pressing challenges? This course will examine all these questions. Diversity, Religious Difference.
Attributes: Diversity Course (New GEP), Religious Difference Course, Theology Level 3, Undergraduate

THE 388 Jews&Chr: Bible Interpretation (3 credits)
Although Jews and Christians share many of the same scriptural books, their respective collections are differently organized and named. Christians refer to their collection as the "Old Testament," while Jews call their texts the "Tanakh" (an acronym for the Hebrew words for Teaching, Prophets, and Writings). Despite, or because of this commonality, Christians and Jews have often battled over these scriptures’ meanings. This course explores the ways that Jews and Christians have interpreted key texts, separately and together, over two millennia of learning from and disputing with each other. It also examines why the Bible has been a source of conflict between the two groups, with a focus on certain key passages, and why that is currently changing – as evidenced in recent official Catholic instructions. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

THE 389 Abrahamic Peoples I (3 credits)
The three monotheistic religions all originated in the Middle East. In their origins and spread to other parts of the world, their interactions formed a complex tapestry of theologies, rituals, texts and histories. This two-semester course surveys the origins, practices, beliefs, and interactions among the Muslim, Christians, and Jewish peoples. Both semesters are taught by a Jewish, a Christian, and a Muslim professor, all three of whom will be present for each class session. Fall semester, the class will explore the early beginnings of all three traditions up to the year 1492. Spring semester brings their stories from 1492 to the present. Certain overarching themes, topics, or questions will be considered in each era to illustrate the interlacing similarities and differences among the three communities in the past, in today’s world, and with a view to future possibilities. Offered over two consecutive semesters for six credits, although students may choose to take only Fall or only Spring semester for 3 credits. Religious Difference.
Attributes: Religious Difference Course

THE 390 The Abrahamic Peoples II (3 credits)
The three monotheistic religions all originated in the Middle East. In their origins and spread to other parts of the world, their interactions formed a complex tapestry of theologies, rituals, texts, and histories. This two-semester course surveys the origins, practices, beliefs, and interactions among the Muslim, Christian, and Jewish peoples. Both semesters are taught by a Jewish, a Christian, and a Muslim professor, all three of whom will be present for each class session. Fall semester, the class will explore the early beginnings of all three traditions up to the year 1492. Spring semester brings their stories from 1492 to the present. Certain overarching themes, topics, or questions will be considered in each era to illustrate the interlacing similarities and differences among the three communities in the past, in today’s world, and with a view to future possibilities. Offered over two consecutive semesters for six credits, although students may choose to take only Fall or only Spring semester for 3 credits. L3, Religious Difference.
Attributes: Religious Difference Course, Undergraduate

THE 392 Directed Readings in Theology (3 credits)
A study of significant themes or issues in Theology or Religious Studies under the direction of faculty in the department. Frequent consultations and written reports are required. Prior written permission of the instructor and approval from the chair is required. Normally this course is restricted to theology majors and minors. Does not fulfill the Theology/Religious studies GEP.
Attributes: Theology Level 3, Undergraduate

THE 493 Ind Research in Theology (3 credits)
Independent research and writing under the direction of faculty in the department. Prior written permission of the instructor and approval from the chair are required. Course may be taken twice for credit as the topic of research changes. This course is restricted to senior theology majors and minors. Does not fulfill the Theology/Religious studies GEP.
Attributes: Theology Level 3, Undergraduate

THE 494 Ind Research in Theology (3 credits)
Independent research and writing under the direction of faculty in the department. Prior written permission of the instructor and approval from the chair are required. Course may be taken twice for credit as the topic of research changes. This course is restricted to senior theology majors and minors. Does not fulfill the Theology/Religious studies GEP.
Attributes: Theology Level 3, Undergraduate

THE 495 Theor & Meth in Study of Relg (3 credits)
A survey of a wide array of theories and methods employed in the modern study of religion, such as psychological, sociological, anthropological, phenomenological, feminist, socio-biological, and other approaches. Both classic and recent theoretical models will be discussed, with special interest in current methodological developments in the academic study of religion. Emphasis will be placed on direct engagement with the writings of the major theorists themselves. Open to junior and senior theology majors and minors and other junior and senior students by permission of the Chair. Does not fulfill the Theology/Religious Studies GEP. Writing intensive (when offered in that format).
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 521 Gospels and Discipleship (3 credits)
This course is an exploration of the Gospels of Mark, Matthew, Luke, and John. Using the framework described in the Pontifical Biblical Commission's "Instruction on the Historical Truth of the Gospels," each Gospel will be examined in turn in order to discover each evangelist's unique understanding of the meaning of Jesus, the duties of his followers, and the nature of Jesus' historical ministry. While coming to appreciate the unique insights of each writer, students will bring the perspectives of their four narratives into dialogue with our twenty-first century context.
Restrictions: Enrollment is limited to students with a major in Theology and Society. Enrollment is limited to Graduate level students.
Theology and Religious Studies Department offers two majors which are distinguished by virtue of both their primary content and their methodological approach. Students may choose one of these majors in conjunction with their other studies, or they may double major within the department and get a degree in Theology and Religious Studies.

Religious Studies focuses upon the study of one or more non-Christian religions. Methodologically, Religious Studies is devoted to the study of religion as a fundamental human phenomenon. Its scope is broad, encompassing all forms of religious experience, belief and practice in whatever contexts they are found. Religious Studies is nonconfessional in the sense that it is not committed to advance in any religious (or indeed, non-religious) worldview or doctrine. Religious Studies as we understand it neither endorses a naive objectivism in the study of "facts" divorced from values nor elevates a single theological, philosophical or scientific principle or program to the level of an unassailable norm. Rather, Religious Studies is intentionally eclectic and open-ended, drawing upon the full range of methods available to the academic study of things human, from philosophy or literary theory, for example, to cognitive science and evolutionary psychology. It is united only by its subject matter, religion as a fundamental, albeit contested, dimension of human experience.

Goals and Objectives for Students Majoring in Religious Studies

Goal 1: Students will understand at least two religious traditions beyond an introductory level, including their histories, beliefs, practices and contemporary expressions.

Objective 1.1: Students will articulate the foundations, historical development, and ethical ramifications of at least one religious tradition other than the Roman Catholic tradition, using sources and methods appropriate to the discipline of Religious Studies.

Objective 1.2: Students will articulate the foundations, historical development, and ethical ramifications of the basic content of the Catholic faith using sources and methods appropriate to the discipline of Theology.

Goal 2: Students will understand the implications of religious belief for moral decision making and ethical action in the world;

Objective 2.1: Students will apply the tools of religious studies to understanding the nature of religious conflict.

Goal 3: Students will be able to examine theological and religious traditions from a critical distance;

Objective 3.1: Students will understand the historical nature of religious texts and traditions, and the tensions that arise within religious communities as they undergo historical change.

Objective 3.2: Students will recognize and think critically about some of the general features typical of most if not all religions, such as conceptions of deity, forms of religious community, forms of ritual practice, types of religious experience, ethical norms, etc.

Objective 3.3: Students will identify and describe the embeddedness of religion in society and culture, as well as the religious dimensions of social, political and cultural phenomena not conventionally identified as "religious."

Goal 4: Students will appreciate the diversity of method, content, and history that exists within the contemporary academic disciplines of Theology and Religious Studies.

Objective 4.1: Students will articulate the difference between religious studies as an academic discipline and theological or confessional approaches to the study of religion.

Objective 4.2: Students will evaluate some of the most influential methods used in the study of religion and apply them in the study of particular cases.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement, a Major and Divisional component, and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

Eight variable core courses, three integrative learning courses and three overlay requirements. These latter may or may not require students to take an additional course.
General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

Students in the Religious Studies major must strengthen their skills in the study of religion by taking three complementary courses in other departments in the College of Arts and Sciences. Students have considerable flexibility in choosing these courses because familiarity with a wide variety of issues, methods, and tools is vital to the academic study of religion. Students must choose three courses from the following categories, with no more than two of these courses may be taken in any one department. These three courses may be drawn from any program and or department that focuses on:

1. Cultural and historical contexts of various religious traditions, such as Ancient Studies, Asian Studies, Classics, Fine Arts, History, Latin American Studies, and Political Science;
2. Methodologies that are applied in the study of religion, such as Biology, Economics, Philosophy, Psychology, and Sociology;
3. Research tools that are employed in the study of religion, such as Computer Science, Mathematics, and Foreign Languages.

Courses used to satisfy the Integrated Learning Requirement may not fulfill a GEP Common Core or Variable Core Requirement. Students should consult with their advisors to determine what courses are best suited to their own interests in Religious Studies when choosing the courses needed to satisfy the integrated learning requirement.

GEP Non-Native Language

No non-native language unique to the department is required. But it is recommended that students consult with their advisors to fulfill the GEP non-native language requirement with a language relevant to their religious or theological interest.

Major Distribution

Ten courses distributed as described below. At least eight must be at the 200-level or above. GEP courses will be used to partially satisfy the major concentration. (For examples of specific courses in each area, see the department web site at: http://www.sju.edu/academics/cas/theology/index.html)

1. Non-Christian Religions, six courses (including Variable Core GEP Religious Difference Couse).
2. THE 154 Faith, Justice and the Catholic Tradition, Signature Core in the GEP
3. Institutional Identity Course: New Testament, History of Christianity, Systematic Theology, or Christian Ethics, one additional THE course at any level
4. REL 395 Approaches to the Study of Religion or THE 495 Theories and Methods in the Study of Religion
5. Religious Studies Elective: Any course in THE or REL at the 200 level or above

Among the ten courses above, one must be explicitly comparative in scope (i.e., not tradition specific) and one must concentrate on a South or East Asian religion. Graduating seniors must demonstrate that they have completed at least one significant research paper in Theology or Religious Studies.

Related Programs

Religious Studies majors are eligible to participate in such related programs as Africana Studies, Ancient Studies, Faith-Justice Studies, Gender Studies, Interdisciplinary Health Care Ethics, Latin American Studies, and Medieval-Renaissance-Reformation Studies. Study Abroad programs are also available to them. Further information may be found in the pertinent sections of this Catalog.

Student Organizations

The Department sponsors a chapter of Theta Alpha Kappa, the national honor society for theology and religious studies. Students also participate in the activities of Campus Ministry and the post-graduate volunteer service programs. Faculty members advise students and alumni on career opportunities, job placements, and on professional and graduate school programs.

Theology and Religious Studies Minor

A minor in Theology and Religious Studies can be fulfilled by taking any six courses taught within the department. Doing a Theology and Religious Studies minor is relatively easy, and could even be completed using only GEP courses. A third of the minor will be completed by required GEP courses: every student must take THE 154 and a Religious Difference course. Students could then complete the minor by taking their First Year Seminar, Ethics Intensive, Faith and Reason, and Writing Intensive courses within the department. However, students can complete the minor with any six courses, whether GEP courses, electives, or ILC courses for other majors.

Learning Goals and Student Learning Outcomes

Goal 1: Students will understand at least two religious traditions beyond an introductory level, including their histories, beliefs, practices and contemporary expressions.

Objective 1.1: Students will articulate the foundations, historical development, and ethical ramifications of the basic content of the Catholic faith using sources and methods appropriate to the discipline of Theology.

Objective 1.2: Students will articulate the foundations, historical development, and ethical ramifications of at least one religious tradition other than the Roman Catholic tradition, using sources and methods appropriate to the discipline of Religious Studies.

Goal 2. Students will understand the implications of religious belief for moral decision making and ethical action in the world.

Objective 2.1: Students will articulate key ethical implications that arise from the study of theology and religion.

Goal 3. Students will be able to examine theological and religious traditions from a critical distance.

Objective 3.1: Students will analyze devotional, theological, ritual, ethical and sacred texts according to their particular literary genres and historical contexts.

Goal 4. Students will appreciate the diversity of method, content, and history that exists within the contemporary academic disciplines of Theology and Religious Studies.
Objective 4.1: Students will understand the nature and language of academic theological inquiry.

A minor in Theology and Religious Studies can be fulfilled by taking any six courses taught within the department. Doing a Theology and Religious Studies minor is relatively easy, and could even be completed using only GEP courses. A third of the minor will be completed by required GEP courses: every student must take THE 154 and a Religious Difference course. Students could then complete the minor by taking their First Year Seminar, Ethics Intensive, Faith and Reason, and Writing Intensive courses within the department. However, students can complete the minor with any six courses, whether GEP courses, electives, or ILC courses for other majors.

Some students might like to focus their Theology and Religious Studies minor on topics they find of particular interest. This, too, is quite easy to do. The following are only some of the potential combination of courses. Feel free to design your own focus.

### Focus in Asian Religions

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<tbody>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
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<tr>
<td>REL 150</td>
<td>Freshmen Seminar Course</td>
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<td>REL 251</td>
<td>Religions of Ancient India</td>
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<td>REL 261</td>
<td>Hinduism</td>
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<td>REL 312</td>
<td>Spirit Disc in Compar Perspect</td>
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<tr>
<td>REL 351</td>
<td>Indian Buddhism</td>
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<td>REL 352</td>
<td>East Asian Buddhism</td>
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<td>REL 353</td>
<td>Buddhist Ethics</td>
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<td>REL 356</td>
<td>Death &amp; Afterlife Chinese Rel</td>
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<td>REL 357</td>
<td>Food Practices &amp; Chinese Relig</td>
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<td>REL 358</td>
<td>Yoga: Ancient &amp; Mod Paths To Freedom</td>
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### Focus in Biblical Studies

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<td>REL 211</td>
<td>Hebrew Bible</td>
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<td>REL 212</td>
<td>Israelite Religion</td>
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<td>REL 221</td>
<td>Intro to the New Testament</td>
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<td>REL 321</td>
<td>Religion &amp; Law in the Anc World</td>
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<td>REL 322</td>
<td>Myth and History in the Bible</td>
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<td>THE/REL 323</td>
<td>The Psalms</td>
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<td>THE/REL 324</td>
<td>NT &amp; Chr Atts to Jews/Judaism</td>
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<td>THE/REL 325</td>
<td>Synoptic Gospels</td>
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<td>THE/REL 326</td>
<td>Letters of Paul</td>
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<td>REL 332</td>
<td>Past/Present in ISR and PLS (STR)</td>
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### Focus in Ethics

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<td>THE 261</td>
<td>Christian Social Ethics</td>
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### Focus in Systematic Theology

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<td>THE 150</td>
<td>First Year Seminar</td>
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<td>THE 335</td>
<td>Gendr &amp; Christian Spirituality</td>
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<td>THE 340</td>
<td>Atheism and the Case for God</td>
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<td>THE 341</td>
<td>Jesus through the Centuries</td>
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<td>THE 342</td>
<td>Does God Exist?</td>
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<td>THE 343</td>
<td>Theology of Word and Sacrament</td>
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<td>Theology of the Church</td>
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<td>Evil as a Theological Problem</td>
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<td>Salvation as Story &amp; Belief</td>
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<td>THE 347</td>
<td>Death and Rebirth</td>
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<td>THE 348</td>
<td>Theology and Science</td>
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<td>THE 350</td>
<td>The Beauty of God</td>
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<td>THE 351</td>
<td>Ignatian Spirit in Jesuit Trad</td>
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<td>THE 352</td>
<td>Recent Trends in Roman Cathol</td>
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<td>THE 353</td>
<td>American Catholicism</td>
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<td>THE 354</td>
<td>Beauty &amp; Consciousness@TheMovies</td>
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<td>THE 355</td>
<td>Superhumans/Chinese Religions</td>
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<td>THE 356</td>
<td>Liberation &amp; Pol Theologies</td>
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<td>THE 357</td>
<td>Feminist Theologies</td>
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<td>THE 359</td>
<td>Religion, Violence &amp; Terrorism</td>
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<td>THE 381</td>
<td>One True Religion?</td>
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### Focus in Historical Theology

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<td>THE 331</td>
<td>Early Christn Thought</td>
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<td>THE 333</td>
<td>Knowl &amp; Love of God - Mid Ages</td>
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<td>THE 334</td>
<td>Revolt, Reform, Reunion?</td>
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<td>THE 335</td>
<td>Gendr &amp; Christian Spirituality</td>
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<td>THE 341</td>
<td>Jesus through the Centuries</td>
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Focus in History and Material Culture

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Select five of the following: 15

- REL 271 African & Caribbean Religions
- REL 327 Religion & Race in Phila.
- REL 328 Global Christianities
- REL 332 Past/Present in ISR and PLS (STR)
- REL 356 Death & Afterlife Chinese Rel
- REL 357 Food Practices & Chinese Relig

Focus in Islamic, Jewish, and Christian Relations

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<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
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Select five of the following: 15

- REL 231 Judaism
- REL 241 Islam
- REL 338 Jewish Responses to Holocaust
- REL 341 The Quran and Its Interpreters
- REL 342 Women in Muslim Tradition
- THE 380 Interreligious Dialogue
- THE 384 Jews/Chr: Theologies Compared
- THE 387 Jews&Chr: Entwined Histories
- THE 388 Jews&Chr: Bible Interpretation
- THE 389 Abrahamic Peoples I
- THE 390 The Abrahamic Peoples II

1 Students should take at least one each in Judaism and Islam and at least one interreligious dialogue course which deals with the relations of Christianity with at least one of the other traditions.

Focus in Jewish-Christian Relations

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<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
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Select five of the following: 15

- REL 231 Judaism
- REL 331 Topics in Ancient Judaism
- REL 338 Jewish Responses to Holocaust
- THE 380 Interreligious Dialogue
- THE 384 Jews/Chr: Theologies Compared
- THE 387 Jews&Chr: Entwined Histories
- THE 388 Jews&Chr: Bible Interpretation

To declare the minor, students should complete the “approval for a minor” form, meet with the Theology and Religious Studies department chair for a signature, and submit the form to the Registrar’s Office.

After completing a minor in Theology and Religious Studies, students will be equipped to:

- Understand the nature and language of academic theological inquiry
- Develop a critical appreciation for the historical development of and chief differences between at least two different religious traditions
- Articulate key ethical implications that arise from the study of theology and religion

Related Programs

Theology and Religious Studies minors are eligible to participate in such related programs as Africana Studies, Ancient Studies, Faith-Justice Studies, Gender Studies, Interdisciplinary Health Care Ethics, Latin American Studies, and Medieval-Renaissance-Reformation Studies. Study Abroad programs are also available to them. Further information may be found in the pertinent sections of this Catalog.

Student Organizations

The Department sponsors a chapter of Theta Alpha Kappa, the national honor society for theology and religious studies. Students also participate in the activities of Campus Ministry and the post-graduate volunteer service programs. Faculty members advise students and alumni on career opportunities, job placements, and on professional and graduate school programs.

Theology and Society M.A. (moratorium)

This program is in moratorium effective Fall 2014. The Department of Theology and Religious Studies is, therefore, not considering applications or admission to the program during this period.

Millicent Feske, M.Div., Ph.D., Graduate Director
Department of Theology and Religious Studies
Bellarmine 211
610-660-1866 (1850)
mfeske@sju.edu

Program Description

The Master of Arts in Theology and Society is an academically-oriented thirty-six credit curriculum which aims to equip students with the knowledge and skills needed to interrelate with the Catholic tradition and the issues and concerns of contemporary society. This program is designed especially, but not exclusively, for students who are interested in informing their professional or personal activity in the church or world through the Christian, particularly Catholic, tradition and in turn, enriching that tradition through their reflection and living. This program will, therefore, appeal to those who serve in professional or volunteer capacities in local parishes or congregations, those who work in religiously-affiliated school systems as teachers or administrators, or persons involved in a variety of careers that could be enhanced by greater familiarity with theological and ethical studies.

The mission of SJU to “foster a lived awareness of the challenging and mutually enriching interaction between Christian faith and diverse contemporary culture” is the reason for and the guiding principle of the M.A. In keeping with SJU’s Jesuit character, the program aims to prepare “men and women with and for others” by integrating the study of theology with contemporary issues in and features of American and global society. As a curriculum in service to the church and the world, the program puts into practice Pope John Paul II’s understanding of the specific mission of Catholic universities:

By its very nature, a University develops culture through its research, helps to transmit the local culture to each succeeding generation through
its teaching, and assists cultural activities through its educational services. It is open to all human experience and is ready to dialogue with and learn from any culture. A Catholic University shares in this, offering the rich experience of the Church’s own culture. In addition, a Catholic University, aware that human culture is open to Revelation and transcendence, is also a primary and privileged place for a fruitful dialogue between the Gospel and culture.

Ex Corde Ecclesiae, Apostolic Constitution on Catholic Universities (1990), B.

The Master of Arts in Theology and Society offers an integrative approach to the study of both the content and method of the various theological disciplines as well as theology’s necessary engagement with society and culture. All courses in the program will be designed to foster an interdisciplinary grasp of the study of theology, whatever their primary discipline and focus. At the same time, the courses will explicitly relate their theological activities to the twenty-first century United States and global contexts. In other words, the integrative design of the program is both “intrinsic” and “extrinsic”. That is, each individual course (whether in biblical studies, systematics, historical theology, ethics, or interreligious relations) will consciously demonstrate its relationship to the content and methods of the other disciplines (intrinsic integration), and all courses in varying degrees relate their subjects to issues in today’s society and culture (extrinsic integration). It is, in part, this integrative approach that differentiates this degree from other regional programs. It also allows students to enter into the program at any point in the proposed rotation of courses.

Admission Requirements

Students who apply to the M.A. in Theology and Society will be required to submit:

- A completed Saint Joseph’s University graduate application.
- Official sealed transcript(s) of undergraduate/graduate coursework with a G.P.A. of 3.0 (on a scale of 4) from an accredited institution of higher education.
- Personal statement – a letter of intention outlining the candidate’s professional goals and educational objectives in pursuing the Master of Arts in Theology and Society.
- Two letters of recommendation.
- A current resume or curriculum vitae.
- $35 application fee—waived if applicant attended a Graduate Studies Open House or is an SJU graduate.
- Requirements for international students and regarding English proficiency may be found at: http://www.sju.edu/admissions/graduate/applicationinstr.html.

Students will also be expected to be familiar with basic principles and methods of biblical, theological, and ethical studies. This may be demonstrated in the following ways:

- Undergraduate coursework
- Undergraduate-level study in non-credit programs such as diocesan ministerial certification programs. Course descriptions and syllabi should be submitted.
- Directed reading and assessment.

Students with an undergraduate GPA below 3.0 or no discernible theological preparation for coursework may be admitted on a provisional basis.

Note: The Master of Arts in Theology and Society program is a cohort-based program. This program does not offer new cohort starts each semester. Students admitted to the program will be added to a cohort wait list. When the start list reaches 10 admitted students, the program director will notify accepted students of the next cohort term start.

Learning Goals and Objectives for the M. A. in Theology and Society

Goal 1: Students will be well-informed in the classic areas of Catholic Christianity: biblical studies, church history, doctrine, ethics, and interreligious dialogue.

Objective 1.1: Students will demonstrate knowledge of key concepts in the Old Testament/Hebrew Bible.

Objective 1.2: Students will demonstrate knowledge of key aspects of the New Testament.

Objective 1.3: Students will demonstrate knowledge of at least one major period in church history.

Objective 1.4: Students will demonstrate knowledge of key issues in one of the following two doctrines: Doctrine of God or Christology.

Objective 1.5: Students will demonstrate knowledge of key issues in Theological Anthropology.

Objective 1.6: Students will demonstrate knowledge of key issues in one of the following two doctrines: Ecclesiology or Sacraments.

Objective 1.7: Students will demonstrate knowledge of key principles in Christian social ethics.

Objective 1.8: Students will demonstrate the ability to engage in appropriate dialogue between Christianity and at least one additional major religious tradition: Judaism, Islam, or Hinduism, Chinese religion.

Goal 2: Students will interrelate Catholic tradition and contemporary culture and/or society.

Objective 2.1: Students will identify theological questions arising from particular cultural arenas and/or social situations.

Objective 2.2: Students will articulate social and/or cultural implications of their studies in bible, history, doctrine, ethics and interreligious dialogue.

Objective 2.3: Students will reflect theologically on a situation arising from their current or prospective paid or volunteer work.

Goal 3: Students will advance in the Jesuit tradition of “being men and women for others.”

Objective 3.1: Students will demonstrate the use of theology to interpret and act in relation to the needs of others in the larger society.

Objective 3.2: Students will identify ways in which the needs of others in society challenge and/or transform some theological traditions.

Students earn 36-credits by participating in 12 courses according to the following rubric:
Theology Major

The Theology and Religious Studies Department offers two majors which are distinguished by virtue of both their primary content and their objectives. Students will understand at least two religious traditions beyond an introductory level, including their histories, beliefs, practices and contemporary expressions.

Objective 1.1: Students will articulate the foundations, historical development, and ethical ramifications of the basic content of the Catholic faith using sources and methods appropriate to the discipline of Theology.

Objective 1.2: Students will articulate how the basic content of the Catholic faith relates to that found in other Christian and non-Christian traditions.

Goal 2: Students will understand the implications of religious belief for moral decision making and ethical action in the world.

Objective 2.1: Students will demonstrate the theological basis for the promotion of justice and solidarity with the poor and oppressed.

Undergraduate Student Enrollment

Undergraduates who are juniors or seniors may participate in these graduate classes. They must have the permission of the department chair and will complete level-appropriate course requirements and assessments that differ from those assigned to graduate students. Undergraduates who are juniors or seniors may participate in these assessments that differ from those assigned to graduate students. There may be cases where students who are not in their final two years of study may take courses during the day difficult.

Students whose lab requirements or student teaching requirements make taking courses during the day difficult.

Religious Studies focuses upon the study of one or more non-Christian religions. Methodologically, Religious Studies is devoted to the study of religion as a fundamental human phenomenon. Its scope is broad, encompassing in principle all forms of religious experience, belief and practice in whatever contexts they are found. Religious Studies is non-confessional in the sense that it is not committed in advance to any religious (or indeed, non-religious) worldview or doctrine. Religious Studies as we understand it neither endorses a naïve objectivism in the study of "facts" divorced from values nor elevates a single theological, philosophical or scientific principle or program to the level of an unassailable norm. Rather, Religious Studies is intentionally eclectic and open-ended, drawing upon the full range of methods available to the academic study of things human, from philosophy or literary theory, for example, to cognitive science and evolutionary psychology. It is united only by its subject matter, religion as a fundamental, albeit contested, dimension of human experience.
**Goal 3:** Students will be able to examine theological and religious traditions from a critical distance;

**Objective 3.1:** Students will analyze biblical, creedal, liturgical, and theological texts according to their particular literary genres and historical contexts.

**Goal 4:** Students will appreciate the diversity of method, content, and history that exists within the contemporary academic disciplines of Theology and Religious Studies

**Objective 4.1:** Students will utilize effective methods of research and argumentation within the multidisciplinary context of the academic study of theology and religion.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. **Diversity, Globalization or Non-western Area Studies,**
2. **Ethics Intensive,** and
3. **Writing Intensive. Overlay requirements are part of the forty-course requirement.**

**General Education Signature Courses**
See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**
See this page about Variable courses (p. 26). Six to Nine courses

**General Education Overlays**
See this page about Overlays (p. 27).

Eight Variable Core courses, three integrative learning courses and three overlay requirements. These latter may or may not require students to take an additional course.

**General Education Integrative Learning Component**
See this page about Integrative Learning Component (p. 27). Three courses

Any three complementary courses in the College of Arts and Sciences in departments other than Theology and Religious Studies. Students have considerable flexibility in choosing these courses. Students must choose three courses from the following categories, with no more than 2 from any single category:

1. Any additional approved Faith and Reason course.
2. Any approved Diversity, Globalization, or Area Studies course.
3. Any approved Ethics Intensive course.
4. Any approved Faith-Justice course.
5. Any related Historical course.
6. Any related Social Science course.
7. Any related Humanities course.

Students should consult with their advisors to determine what courses are best suited to their own interests in Religious Studies when choosing the courses needed to satisfy the integrated learning requirement.

**GEP Non-Native Language**

No foreign language unique to the department is required. But it is recommended that students consult with their advisors to fulfill the GEP non-native language requirement with a language relevant to their religious or theological interest.

**GEP Electives**

Any 14-17 courses

**Major Distribution**
Ten courses distributed as described below. At least eight must be at the 200-level or above. GEP courses will be used to partially satisfy the major concentration. (For examples of specific courses in each area, see the department web site at http://www.sju.edu/int/academics/cas/theology/index.html.)

1. **Faith, Justice and the Catholic Tradition,** Signature Core in the GEP
2. **Bible,** any one course
3. **History of Christianity,** any one course or Systematic Theology, any one course
4. **Ethics,** any one course
5. **THE Course,** any two additional courses
6. **Non-Christian Religions:** two courses (including Variable Core GEP Religious Difference Course). The two courses in this area must not cover the same religious tradition.
7. **REL 395 Approaches to the Study of Religion** or **THE 495 Theories and Methods in the Study of Religion**
8. **Theology Elective:** Any one course in THE or REL at the 200 level or above. No one course may be counted more than once for the purposes of the overall student distribution within the major but because of the complexity of content, some courses could be chosen to fulfill the requirements of one of several distributional categories.
9. **Students must consult with their advisors or the department chair to determine the best distribution of a selected course relative to their own interests and needs.** Graduating seniors must demonstrate that they have completed at least one significant research paper in theology or religious studies.

**Related Programs**
Theology majors are eligible to participate in such related programs as Africana Studies, Ancient Studies, Faith-Justice Studies, Gender Studies, Interdisciplinary Health Care Ethics, Latin American Studies, and Medieval-Renaissance-Reformation Studies. Study Abroad programs are also available to them. Further information may be found in the pertinent sections of this Catalog.

**Student Organizations**
The Department sponsors a chapter of Theta Alpha Kappa, the national honor society for theology and religious studies. Students also participate in the activities of Campus Ministry and the post-graduate volunteer service programs. Faculty members advise students and alumni on career opportunities, job placements, and on professional and graduate school programs.
ERIVAN K. HAUB SCHOOL OF BUSINESS

Business Programs

Dean
• Joseph A. DiAngelo, Jr., Ed.D.

Associate Dean of Undergraduate Studies
• Patrick O’Brien, M.S.

Associate Dean and Executive Director of Graduate Business Programs
• Vana M. Zervanos, M.Ed., M.B.A.

Associate Dean
• Natalie Wood, Ph.D.

Undergraduate Program Learning Goals and Objectives

Seeking excellence in business education that offers breath, depth, and wholeness for undergraduate students by developing:

Objective 1: Knowledge of functional business — Students will know core concepts within each business discipline of accounting, finance, management, marketing, and information technology.

Objective 2: Leadership — Students will gain an understanding of concepts, theories, and practices of effective leadership.

Objective 3: Comprehension of global, multicultural environments — Students will understand the challenges businesses face in a global economy, and the cultural issues firms must address to succeed in this environment.

Objective 4: Critical thinking and problem solving skills — Students will be able to analyze business scenarios in an integrative way and make constructive and actionable recommendations for problem solving.

Objective 5: Interpersonal and communication skills both verbal and written — Students will demonstrate competency in written and verbal communication aimed at facilitating, and reporting the results of, collaborative problem solving and decision making processes.

Objective 6: Knowledge of the Jesuit tradition of social justice and lifelong learning — Students will be able to generate scholarship that embodies free, open inquiry, and provokes imaginative thinking and reflection on values.

Organization

The Haub School of Business is organized into seven departments:

• Accounting,
• Decision & System Sciences,
• Finance,
• Food Marketing,
• Management,
• Marketing, and
• Pharmaceutical Marketing.

Majors are offered in accounting, business, business administration, business intelligence (DSS), entertainment marketing, family business and entrepreneurship, finance, financial planning, food marketing, food marketing 5 year co-op, international business, leadership ethics and organizational sustainability, managing human capital, marketing, pharmaceutical and healthcare marketing, risk management and insurance, sports marketing, and undecided business.

Requirements for a Major in Business

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
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</table>

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

Free Electives

Six to nine courses

Business Foundation

Ten courses including:

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<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
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<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (non-credit)</td>
<td>1</td>
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<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
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</table>
DSS 210  Business Statistics  3
DSS 220  Business Analytics  3
FIN 200  Intro to Finance  3

Select one of the following:
MGT 110  Essent’ls of Organizational Beh  3
MGT 120  Essentials of Management  3
MGT 121  Organizations in Perspc Honors  3
MGT 360  Legal Environment of Business  3
or MGT 361  Introduction to Law Honors  3
MKT 201  Principles of Marketing  3
BUS 495  Business Policy  4

**Major Concentrations**

Each major concentration in the Haub School of Business requires completion of a specified sequence of upper division departmental courses. The number of required courses ranges from six to nine, depending upon the major. Major Concentration courses cover the specific body of knowledge which gives the student specialization in a major field of study.

**Laptop Program**

All full time undergraduate day students in the Haub School of Business are required to have a Windows Laptop documented on the Business School link at www.sju.edu/laptop .

Saint Joseph’s University collaborates with partnered vendors to offer our students specially priced laptops, which meet all the SJU computing requirements. These models are available for purchase at www.sju.edu/laptop . Students are not required to purchase a computer through the SJU Laptop Program.

Microsoft Office for Windows is also required. SJU students can download this software for free by visiting the laptop website.

Students receive technical support provided by the Technology Service Center located in the Science Center, Room 129.

**Minor in Business for Non-Business Majors**

The Haub School of Business offers a minor in Business for non-Business majors which consists of the following six courses:

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<tr>
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<td>Concepts: Financial Accounting</td>
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Select one of the following:

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<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
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<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
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</tbody>
</table>

All prerequisite courses must be completed. Students who have completed a statistics course in the College of Arts & Sciences may substitute it for Business Statistics (DSS 210). If this substitution is made, an additional business elective must be taken in order to fulfill the requirements for the minor.

**Professional Practice Center**

The Professional Practice Center in the Haub School of Business provides a centralized administrative location to consolidate and streamline the co-op and internship process which supports the efforts of HSB academic departments and students. The center assists in the placement of students in co-op positions and internships each year at businesses and organization throughout the Northeast. By participating in the center’s programs, students explore the connections between theory and practice and between their academic program and their career choice. They acquire a better understanding of their own skills and interests.

Through the Professional Practice Center programs, undergraduate students integrate classroom study with professional experience in a related career field. In addition to acquiring new knowledge and skills, students may earn college credit. Students are able to clarify career choices by experiencing the challenges of working in a chosen discipline. The Professional Practice Center serves as a resource for employers in the region and is an excellent training ground for students. For additional information, please call (610) 660-1934.

**Cooperative Education (Co-op)**

Cooperative Education (Co-op) unites the classroom and the workplace, allowing students to engage in real-world applications of their academic pursuits. Co-op is available to business students majoring in Accounting; Business Intelligence; Finance; Financial Planning; a series of Management majors (Business Administration; Family Business and Entrepreneurship; International Business; Managing Human Capital; Leadership, Ethics and Organizational Sustainability); Marketing; Risk Management and Insurance; Pharmaceutical and Healthcare Marketing; and Sports Marketing. The Food Marketing Department administers a separate Co-op Program for its students.

Through two full-time, paid experiences (creating one year of work experience within the four-year degree), Co-op has proven to be an instrumental way for students to discover and live their professional passions. The Co-op work terms take place:

1. from September to December of the sophomore year and
2. from January to August of the junior year.

The hourly pay rate for the first Co-op ranges between $10 and $15 an hour, the hourly pay rate for the second Co-op work term ranges between $15 and $20 an hour. This translates to approximately $25,000 in earnings across the two work terms.

The first work term is a more general experience, introducing students to the fundamental demands of work and providing them with workplace tasks that meet their introductory-level skills and knowledge. The second work term is comparatively more in-depth, allowing students to participate in higher-level responsibilities. Students may work for the same employer for both work experiences or opt to work for different employers.

Co-op students enroll in two summer semesters (the summers following the freshman and sophomore years). The summer semesters, which run from mid-May to mid-July, replace the semesters that students work. Co-op students commonly report enjoying the summer semesters,
particularly the cohesiveness and collaboration that exists among the students in the Program and the academic success that often results.

A Co-op student’s schedule proceeds like this:

<table>
<thead>
<tr>
<th>Class</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>Freshman</td>
<td>Study</td>
<td>Study</td>
<td>Study</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Work</td>
<td>Study</td>
<td>Study</td>
</tr>
<tr>
<td>Junior</td>
<td>Study</td>
<td>Work</td>
<td>Work</td>
</tr>
<tr>
<td>Senior</td>
<td>Study</td>
<td>Study/Graduate</td>
<td></td>
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</tbody>
</table>

A student who wants to participate in Co-op must:

- Be a full-time day student in the Haub School of Business.
- Have completed the first semester of the sophomore year before starting the first Co-op work term.
- Have completed the junior year before starting the second Co-op work term.
- Maintain a minimum overall grade point average of 2.5 throughout his/her college career and be in good disciplinary standing to enter and remain in the Co-op Program.

Additional Important Details

Students can join Co-op by completing a short application that is available at the Co-op Office or at classroom/campus information sessions.

Students should register for Co-op during the first semester of the freshman year (usually by or near November 1). Students may enroll later; however, the advantage to enrolling early is wiser course selection: the Co-op Program guides students into specific courses for the spring semester to prevent scheduling conflicts with the courses that need to be taken during the summer semester. Additionally, Co-op students enjoy a host of special programming (resume writing and interviewing workshops; social gatherings; networking nights; site visits to companies, etc.). Only students who have enrolled in Co-op will know about and be eligible to participate in these events.

Because of changing job market conditions and variations in students’ skills and abilities as they relate to employers’ needs, the Co-op Program cannot guarantee jobs. However, the Director works diligently with students to help them engage in the most successful job search possible with the companies that post Co-op positions with the Co-op Program.

While on work assignments, Co-op students are classified as full-time. Full tuition must be paid for the two summer semesters (which replace the fall semester of the sophomore year and the spring semester of the junior year). A monthly payment plan option is available to divide the summer semester tuition across several months. There are no tuition charges for the two work terms.

Students who are contemplating Co-op must meet with a Hawk Central counselor to investigate how, if at all, Co-op will affect their financial aid package.

On-campus housing is available to Co-op students during the summer semesters and during the work experiences for students who are eligible for it.

For additional information, please call the Co-op office at 610-660-1103 or visit the Co-op office in Mandeville 150.

Undergraduate Internship

Undergraduate Internships can be paid or unpaid work experiences in corporate settings that relate to students’ major fields of study. Students may receive academic credit for an internship experience. If a student wants to secure academic credit for an internship, the student should, prior to seeking the internship, meet with his/her academic advisor to determine whether he/she meets the department’s requirements to secure an internship (minimum GPA, enrollment status, and internship prerequisites). Once eligibility has been confirmed, a student can seek internship opportunities through the Career Development Center, through faculty corporate contacts, or through individual internship postings on corporate websites (students who are not seeking academic credit can and should utilize these same resources). Once the internship has been secured, a student needs to provide a job description and a hire letter to his/her faculty mentor (usually an advisor or a faculty member the student has had for at least one class) for the internship. The student and the faculty mentor will complete all necessary internship paperwork to be forwarded to the Director of Cooperative Education. Under the direction of an Associate Dean of the Haub School of Business, the Director of Cooperative Education will approve the internship, if all factors related to the internship meet the University’s and the sponsoring academic department’s requirements.

Interdisciplinary Business

**BUS 495 Business Policy (4 credits)**

This is a capstone course integrating the various functions of business in the development and implementation of business strategy. It examines cases involving policy formulation and decision-making in the present-day business environment. Using an integrative approach across the business disciplines, this course uses an interdisciplinary case-based format, using a strategic management framework including faculty from Accounting, Finance, Management, and Marketing.

**Prerequisites:**

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<tr>
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<td>Select one of the following:</td>
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</tr>
<tr>
<td>MGT 110</td>
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</tbody>
</table>

Graduate Business

The Erivan K. Haub School of Business

**Dean**

- Joseph A. DiAngelo, Ed.D.

**Associate Dean and Executive Director Graduate Business Programs**

- Vana M. Zervanos, M.Ed., M.B.A.
Vision
The Haub School of Business will be recognized and acknowledged nationally as a leading Jesuit School of Business for undergraduate, executive and part-time graduate programs.

Mission
We seek excellence in business education that offers breadth in terms of broad-based coverage of business concepts and skills, depth through focus on specific industries and professions, and wholeness via education of men and women in service with and for others in accordance with the Ignatian tradition.

Haub School of Business Core Values
1. Academic Excellence – The HSB is committed to the Jesuit ideal of The Magis or the more, always striving to become better. Academic integrity is the cornerstone of our approach to teaching, an approach that emphasizes excellence in teaching and seeks rigor and student engagement.
2. Jesuit Identity - As a college within a Jesuit university, the HSB is committed to the Jesuit ideals of ethics, justice, and social responsibility.
3. Scholarly Contributions – The HSB encourages scholarly research that is essential to the professionals development of our faculty, contributes to the practice of management, and informs and enlivens our teaching.
4. Innovative Niche Programs – From its inception, the HSB has been entrepreneurial in its approach to targeting and serving the needs of key industries and strategic niches. We seek to continue our creative focus on industry segments such as food, pharmaceuticals, financial services and public accounting.
5. Student Welfare – Cura personalis, that is, care and respect for the whole person, is a hallmark of Jesuit education. We will continue to support and encourage our students as they identify and pursue their personal and professional aspirations.

Our Custom-Built Wall Street Trading Room
Saint Joseph’s University has a tailor-made trading room where students experience firsthand exposure to financial concepts such as portfolio construction, risk management, and financial engineering. This facility—the first of its kind in the Philadelphia region—is just another example of how real-time experiential learning is incorporated into the classroom.

The room’s electronic ticker and LCD Panels display ongoing, real-time market activity and stock prices, while a tri-color board provides students with current financial information and graphics. The trading room at Saint Joseph’s, designed by Rise Trans-Lux Corporation, gives students the opportunity to apply and practice financial analysis and risk management skills before entering the high-tech business arena. Students use both current and historical information in the classroom, which is the same information used by portfolio managers in their day-to-day business.

When graduates of Saint Joseph’s University become practitioners, they can immediately use their experiences from the campus trading room in their professional careers. This technology ensures an effortless transition between the academic world and the professional world.

Organization
The Erivan K. Haub School of Business is a component of the University which is administered by the Dean, Dr. Joseph DiAngelo. The Haub School of Business offers both graduate and undergraduate degrees. Graduate Business Programs are managed by the Associate Dean, Academic Affairs, Dr. Stephen Porth. At the graduate level, the following programs are offered:

• M.B.A. Program
• Online M.B.A. Program
• Joint D.O./M.B.A. Program in Health and Medical Services Administration
• 20-Month Executive M.B.A. Program
• One-Year Executive M.B.A. Program
• Pharmaceutical & Healthcare Marketing M.B.A. for Executives
• Online Pharmaceutical & Healthcare Marketing M.B.A. for Executives
• Executive Master’s in Food Marketing Program
• Executive M.B.A. in Food Marketing Program
• International Marketing M.S. Program
• Strategic Human Resource Management M.S. Program
• Financial Services M.S. Program
• Business Intelligence & Analytics M.S. Program

To service these programs, the Haub School of Business is organized into seven academic departments—Accounting, Decision and System Sciences, Food Marketing, Finance, Management, Marketing and Pharmaceutical & Healthcare Marketing.

Graduate HSB Dual Degree Definition
• The dual degree program is defined as an HSB graduate student pursuing any two graduate degrees sequentially with the Professional MBA, MSBIA, MSSHRM, MIM, and MSFS Programs.
• A student in the dual degree program must satisfy all requirements of both degree programs.
• A dual degree is not a “new” graduate degree. It is simply a way to matriculate within two separate degree programs. The student earns two separate graduate HSB degrees.

Program Parameters
• Students participating in the dual degree program must complete both degree programs within seven years.
• Students must complete the dual degree program in a sequential manner. This means completing one degree in its entirety, then applying for admission to the second degree program.
• A student must begin the second degree program within four years of graduation to be eligible for the dual course benefit.
• A total of 12 credits (four courses) may be shared between the two graduate degree programs.

Adult Undergraduate Business
Joseph A DiAngelo, Ed.D., Dean, Erivan K. Haub School of Business
Vana M. Zervanos, MBA, M.Ed., Associate Dean and Executive Director of Haub Degree Completion Program
Janine N. Guerra, JD, MBA, Director
M. Christine Anderson, MBA, MS, Assistant Director
The Haub School of Business Adult Undergraduate Programs are also called the Haub Degree Completion Program (“HDC.”)

The HDC Program of Saint Joseph’s University is the undergraduate division that serves the educational needs of adult, part-time and online students. Additionally, HDC serves employers’ needs for quality programs in the educational and professional advancement of their
employees. The HDC program is an integral part of Saint Joseph’s University, as it connects the Jesuit tradition of academic excellence and service with the contemporary needs of adult learners.

HDC is responsible for adult undergraduate business degree programs, Summer Sessions, the January Intersession, off-campus and online programs, and non-credit and certificate programs. Degree offerings include the Bachelor of Business Administration in a wide range of business disciplines. Certificate and Associate degrees are also offered in various programs. The HDC Program has administrative responsibilities for all undergraduate adult learner programs in business.

**Student Profile**

HDC serves students 22 or older who pursue their undergraduate education on either a part-time or full-time basis as well as students who intend to study online. Students enter the HDC Program with or without having earned previous college credit. Work, family, and financial obligations influence the pace of adult and part-time students’ academic careers; therefore, the time with which it takes to complete a degree will vary.

HDC students seek programs that facilitate the completion of their degree. Students may potentially receive credit based on demonstrated proficiency from taking an exam in the content area, and/or for work experiences. HDC provides programs and services that are compatible with these learner needs. Finally, students who have already earned undergraduate degrees may enroll in courses simply to enhance their professional advancement, study toward certificates, or even take classes toward earning a second bachelor’s degree.

International students must attend HDC on a full-time basis. The University works closely with the English Language Service (ELS) Center concerning the admission of qualified international students, as well as enrollment requirements for these students.

**Degree and Certificate Program**

The Bachelor of Business Administration (B.B.A.)* Degree program is the culmination of an undergraduate education, which is conferred upon the student’s successful completion of 40 courses and 120 credits (see “Curricula”). The Associate of Business Administration Degree program requires 22 courses and at least 66 credits (see “Curricula” section). Students may also earn a Certificate of Proficiency or Post-Baccalaureate Certificate by completing course requirements ranging from 8 to 12 courses (24 to 36 credits) depending upon specific certificate curriculum requirements. Students may not graduate with more than one certificate or degree in the same field at the same time.

*Note: Students who have begun their studies prior to the Summer 2016 semester and have been uninterrupted for a period of no more than three consecutive semesters are grandfathered into the previous Bachelor of Science in Business Administration and Associate of Science degree. Students whose studies are interrupted for a period of more than three consecutive semesters or more are considered inactive students. Students who are inactive will need to reapply to the new degree programs and be subject to all curricular requirements of the new degrees.

For further information concerning HDC Programs, please contact the HDC Office at (610) 660-2250 or haubadult@sju.edu.

**Advanced Standing for Transfer Students**

A candidate for admission to a degree or certificate program with credits from another college must request an official transcript(s) from each college or university previously attended. Only grades of C or better will be considered for transferability for courses taken outside of Saint Joseph’s University. In transferring course credits from the traditional SJU “day” undergraduate program to the HDC Program, any passing course will be eligible for transfer, at the discretion of the Associate Dean and/or Director so long as the cumulative GPA of the transferred courses is 2.00 or higher.

A maximum of 75 credits (25 courses) may be transferred from outside Saint Joseph’s University to the baccalaureate degree in HDC. Students in a baccalaureate degree program are required to take a minimum of fifteen courses in HDC, including at least four upper division courses in their major. Students transferring from the traditional Undergraduate Day program at SJU to the HDC program may transfer a maximum of 90 SJU credits (30 courses) subject to the transfer policies described above.

Students may transfer up to ten courses towards an Associate Degree. Twelve courses must be completed at Saint Joseph’s University.

Business majors must take at least half of their Business core/concentration courses at Saint Joseph’s University in either degree program. Some courses may need to be reviewed by specific academic departments for evaluation of transfer credit.

International students must provide official transcript(s) from each high school and university previously attended, translated into English. A course-by-course evaluation from an approved international credential evaluation service is recommended, but is not required if such an evaluation may be done in-house. In addition, certified course descriptions of all courses taken internationally must be submitted in order to evaluate these classes for potential transfer credit. Please see the section on “International Students” for further information.

Transfer credit is considered only for grades of C (not C-) or better in courses that are 3 credits or more. The letter grades of transfer courses are not computed in a student’s grade point average, but may be considered for other purposes, such as some scholarship opportunities.

**Credit for Prior Learning CLEP (College Level Examination Program)**

CLEP provides the opportunity to earn college credit by the successful passing of tests in specific subject areas. These tests measure learning acquired outside as well as in the classroom setting. Students must be in good academic standing and must get approval from the HDC office before taking a CLEP exam in order to ensure the applicability of CLEP credits to a HDC program. (No CLEP exam credit will be considered without an official CLEP approval form on file signed by an HDC advisor.)

A listing of tests and passing scores is available in the HDC office (Suite 280 in Mandeville). Students’ requests to take CLEP exams for credit will not be considered if the student has 10 or fewer courses remaining in their degree program. A student may not use a CLEP test for credit if he or she has already transferred 75 credits or more into the HDC program or if the CLEP exam will place them over 75 transfer credits. CLEP requests must be submitted before the end of a student’s first semester in HDC, and grade reports submitted before the end of the next consecutive semester.

**Awarding of Credit by Assessment through American Council on Education (ACE).**

A student may receive credit for courses evaluated and approved for college credit by the American Council on Education (ACE) and if the course meets the content equivalence of a three-credit course
offered at Saint Joseph’s University. ACE recommendations for 1-credit or 2-credit courses may not be transferred to fulfill a three-credit course requirement. Credit is not awarded for vocational/technical level recommendations. Listings of ACE approved courses and credit recommendations are contained in two publications: A Guide to the Evaluation of Educational Experiences in the Armed Forces and The National Guide to Educational Credit for Training Programs. Credits received are subject to the same policies as those of any other transfer credit. To initiate an evaluation of ACE credits, a student must request an official ACE transcript.

Military Credits
Credit may be granted for college-level coursework earned while in military service if it is recommended by the American Council on Education (ACE) and if the course meets the content equivalence of a three-credit course offered at Saint Joseph’s University. ACE recommendations for 1-credit or 2-credit courses may not be transferred to fulfill a three-credit course requirement. Credit is not awarded for Basic Training or for vocational/technical level recommendations. To initiate an evaluation of military credits, a student must request an official military transcript from their respective service branch. One may access additional information regarding military transcripts at https://jst.doded.mil/.

Second Degree Candidates
Students who have received a Bachelor of Science, Bachelor of Arts, or other Bachelor’s degree from a previous college or university and wish to pursue undergraduate studies to obtain a second Bachelor’s degree must do the following:

1. Apply to the HDC program and obtain permission from the HDC program director.

2. Fulfill the requirements listed under Advanced Standing; credits applicable to the second degree will be treated as transfer credits.

3. Complete at least 10 additional courses (30 credits) in HDC, including any GEP requirements not yet satisfied as part of the first degree.*

*Note: If the student’s first Bachelor’s degree is from Saint Joseph’s University, the student will only need to complete missing Business core courses and major electives. If these classes are less than 30 credits, the student will need to take additional free electives to reach the 30-credit minimum and may be required to take more courses than this minimum in order to fulfill SJU GEP requirements.

4. Take at least 4 upper division courses in one’s major in HDC unless specifically waived by the appropriate chair or dean (See Residency Requirement in section on Academic Policies and Regulations).

5. At the time of admission, the student will receive a list of required courses in order to earn the second degree. This course list will be a minimum of 30 credits, but may be more depending on the coursework from the first degree.

Academic Advising
In the HDC Program, the role of an advisor is:

- to help students with transition by monitoring academic load, course selection and academic performance;
- to discuss potential scholarship opportunities and honor societies.
- to support students in initiating long-range educational planning; and,
- to direct students to opportunities and resources that will enrich their education.

The following students are required to obtain an advisor’s approval in order to enroll in courses:

- Students with a GPA of 2.25 or lower

The following students will not be permitted to enroll under any circumstances:

- Students who have financial holds on their records which prevent course registration. These holds may be the result of unpaid tuition balances, overdue library fees, etc. Please contact Hawk Central at hawkcentral@sju.edu or 610-660-2000 if you have questions about a financial hold placed on your account.

Professional staff advisors are available for current, returning, and prospective students through either one-on-one advising sessions or phone advising sessions. For more information regarding student advising in HDC, please contact the HDC office at 610-660-2250 or haubadult@sju.edu. Students are also able to make phone or in-person advising appointments online at http://haubadult.setmore.com

Registration
Prior to registration dates published in the academic calendar, HDC and Registrar’s offices will announce and make available registration information and a class schedule that contains all the specific instructions, procedures, and courses. Students must register for each semester or session independently. Course scheduling and registration information is also available online.

Students should read this catalog carefully before selecting courses to make sure they have the prerequisites or proper background for each course. Since the goal of education is academic progress, normally students should not register for a course when they have earned credit in a more advanced course in the same subject. However, this does not mean that a student may skip or substitute courses required for their degrees without prior written approval. Students enrolling in upper division courses who are unsure of the required background should consult an academic advisor in the HDC Office, Suite 280 Mandeville.

Students are urged to meet or speak with an academic advisor to avoid duplication of courses or an unwise selection. Academic approval does not guarantee the student is guaranteed a seat in a particular class. Seats in classes are awarded on a first-come, first-serve basis, through the registration procedures set forth by the Registrar’s Office. When courses have filled to capacity, the student must go through the online class waitlist procedure to try for a second-chance seat in the class. For these reasons, students are strongly encouraged to register on the first day registration becomes available for each semester.

Students are strongly encouraged to register themselves for classes each semester via The Nest. Students may register online from the
beginning of the registration period until two weeks prior to the start of classes without payment at the time of registration. Invoices will be sent electronically by Hawk Central. Student registrations are binding financial agreements – if a student does not intend to attend a class for a grade, he/she should be sure to drop his/her class before the end of the add/drop period for each class. Failure to do so will result in financial obligations depending on the date of official withdrawal (see Hawk Central refund schedule or contact an HDC academic advisor for further information). Information for utilizing all of the above registration procedures will be made available to students via The Nest. For further information regarding registration, please contact the HDC Program at haubadult@sju.edu or 610-660-2250. Degree Works is an excellent tool for assisting students with viewing their remaining degree requirements. HDC Advisors are also available to assist students with questions and registration issues. Please note, however, that HDC Advisors will not register students for classes without an expressed written request to do so under any circumstances. This request must come from the student’s SJU email account and contain the title, section number and CRN number of the course(s) for which the student would like to register. The student will receive a confirmation email back when registration has occurred or if more information is required.

For further information regarding registration, please contact the HDC Program at haubadult@sju.edu or 610-660-2250. Student may also make an appointment to meet with an advisor via phone or in-person at http://haubadult.setmore.com

**Academic Policies and Regulations**

**Degree and Certificate Requirements**

**Courses and Credits.** To be eligible for a degree or certificate, a student must complete the required number of courses and credits listed in the various curricula (See “Curricula.”) Students must have earned a minimum of 40 courses/120 credits for a Bachelor’s Degree and 22 courses/66 credits for an Associate’s Degree. Students may not graduate with more than one certificate or degree in the same field. Three credits represent a total of 45 instructional hours over the course of a semester.

**Residency Requirement.** The residency requirement for an Associate’s Degree is fulfilled by the satisfactory completion of at least 12 courses at Saint Joseph’s University HDC Program immediately preceding the date of graduation. The residency requirement for a Bachelor’s degree is fulfilled by the satisfactory completion of at least 15 courses* at Saint Joseph’s University HDC Program immediately preceding the date of graduation. The 15-course residency requirement may not be satisfied by credits earned through transfer credit or CLEP.

*Note: Students who have previous credits from a Saint Joseph’s University “Undergraduate Day” program may graduate with a minimum of 10 courses in the HDC Program and will be supplied with a list of required courses at the time of admission.

After graduation with a bachelor’s degree at Saint Joseph’s University, students must complete a minimum of at least 10 courses in the HDC program for a second Bachelor’s degree. See “Second Degree Candidates” section for more detailed information.

**Please be aware that once admitted to the HDC Program, students are required to take all remaining courses at Saint Joseph’s University.** Exceptions may be considered in extenuating circumstances. Matriculated students must get special written permission from the Associate Dean or HDC Program Director to take a course elsewhere; otherwise, these credits will not be accepted. Permission will be granted only under exceptional circumstances not including tuition costs.

Students must take at least four Upper Division courses at Saint Joseph’s University (level as defined by each academic department) in their major to obtain a Bachelor’s degree. Business majors must take at least half of their Business core/concentration courses at Saint Joseph’s University. Students must take at least one Upper Division course in their major at Saint Joseph’s University for an Associate’s degree.

Transfer credit is accepted only for grades of C (not C-) or better; the letter grades of transfer courses are not computed in a student’s grade point average (See “Advanced Standing for Transfer Students” in “Admissions” section).

**Second Major**

Qualified students may request permission to pursue a second major* for sound academic reasons. Such a request requires the approval of an academic advisor and the HDC Program Director (Suite 280 MV). The student must meet all the prerequisites and other requirements for both majors. The final transcript, not the diploma, will record the completion of the second major. The degree granted will be the degree appropriate to the primary major. Two separate degrees will not be awarded to students who complete a second major.

*Note: Students may not study toward a degree with a major in Business Administration and choose another business discipline as a second major. Likewise, a student studying toward a major in a business discipline may not select Business Administration as a second major.

**Minors**

Bachelor’s degree students may pursue a minor or multiple minors.* Students should see an academic advisor and the HDC Program for approval. Ordinarily, at least 6 courses in the specified area must be obtained to complete a minor. At least one-half of the courses must be taken at Saint Joseph’s University. See departmental listings in this catalog for more information on requirements for a minor.

*Note: Students may not study toward a degree with a major in Business Administration and choose another business discipline as a minor. Likewise, a student studying toward a major in a business discipline may not select Business Administration as a second minor.

**Admission Policy for Former Saint Joseph’s University “Traditional Day” Students**

Saint Joseph’s University “Traditional Day” student who has not met the academic standards of the University (as determined by the Board of Academic Review and/or Dean of that school) and has been academically dismissed from the “Traditional Day” program will not be permitted to enroll in Saint Joseph’s University’s HDC Program for a period of at least one semester or full summer term without the expressed written consent of the Board of Academic Review and/or Dean of the original school.

Current “Traditional Day” students that have not been academically dismissed may also be recommended to transfer to the HDC Program without the waiting period described above only upon the written recommendation of Board of Academic Review and/or Dean of the student’s current school. Inactive students who previously attended the “Traditional Day” undergraduate program are not required to receive written approval to apply to the HDC Program. Under no circumstances, however, may “Traditional Day” students take a leave of absence from the
University for the purpose or intent of applying to the HDC program at a later date.

“Traditional Day” students who have been approved to transfer to the HDC Program are required to submit an application for admission to the HDC Program. These students are strongly encouraged to meet with the Director or Associate Dean of the HDC program and must complete a personal statement.

If a former “Traditional Day” student successfully meets the above admissions requirements, he or she will be either fully or provisionally accepted to the Haub Degree Completion Program. Students admitted on a probationary basis will be permitted to enroll in a maximum of two courses per semester, unless expressed written permission for additional credits is granted by the HDC Program Director or Associate Dean. Under this probationary acceptance, a student will be required to successfully complete coursework with earned grades of C or higher (as well as earn a cumulative GPA of 2.50 or higher) for two semesters and complete INT 101 Seminar in Learning Strategies. Students who do not meet these requirements may be dismissed from the HDC Program without further probation or appeals process. Former “Traditional Day” students who have been severed from the University for at least one full academic year and has a “Traditional Day” GPA of 2.50 or higher at the point of admission to the HDC program may not be subject to the probationary limits described above.

It is an academic policy of the HDC Program that all former SJU students must satisfactorily complete a residence requirement of at least 10 courses through the HDC program with a cumulative GPA of 2.00 or higher in order to be certified for graduation.

The HDC Program reserves the right to deny admission to any applicant who has a documented history of violating University rules and regulations or who has previously been expelled or suspended from the University.

Class Absences
Credit and degree-seeking students are obliged to attend all classes and take all examinations. It will be assumed any absences are taken for serious cause only. All absences will be recorded. Faculty members cannot excuse absences, but may prescribe a class absence policy in their syllabi that students in the class must adhere to.

Students may be encouraged to withdraw from a course if absences are in excess. Students who are absent to excess and do not complete the official withdrawal form will be at risk for receiving an “FA” grade (failure due to absences). This “FA” is equivalent to a FAILURE and will therefore lower a student’s grade point average. It is also important to note that it is a student’s responsibility to drop or withdraw from any courses that they are registered for and do not intent to complete or attend. Failure to do so may result in academic and financial consequences. (Please see section titled “Withdrawal from Courses.”)

Withdrawal from Courses
Students wishing to withdraw from a course must submit an official notice of withdrawal to the Haub Degree Completion Program (HDC) office in writing on the day of withdrawal by completing the appropriate form. The date the University receives the notice of withdrawal shall in all cases be considered the day of withdrawal. Withdrawal from any course without official notice will result in the recording of “FA” (failure due to excessive absences) in that course. Students are permitted to withdraw from an individual course or from all courses. Grading and refund regulations apply only to the course(s) from which a student has officially withdrawn. Refunds will be calculated based on the official date the University receives the student’s withdraw form for each class. For information on the withdraw refund schedule, please contact Hawk Central at hawkcentral@sju.edu or 610-660-2000. Refund periods may be shorter for online classes or for classes that do not span a full semester. It is recommended that students submit completed withdrawal forms to the HDC office via email at haubadult@sju.edu or by fax to 610-660-1599.* All withdrawn courses will be noted with a “W” on the official transcript. Students are encouraged to discuss withdrawing from a course with an instructor prior to submitting a withdrawal form.

A student withdrawing from a course during the add/drop period will not have the course listed on his or her official record.

Withdrawals after the published deadlines will not be granted, except for extraordinary and unusual reasons. The avoidance of undesirable grades is not a sufficient reason. Ordinary withdrawals are not granted during and after the last full class week of the semester, and under no circumstances are withdrawals considered during the exam period. The student must make this request in writing and receive the permission of both an HDC Academic Advisor and either the Associate Dean or HDC Program Director in order to do an extraordinary withdrawal from a class. Forms are available in Suite 280 Mandeville. If approved, the appropriate grade would be a “W”. A student who withdraws without permission or does not attend class will receive a grade of “FA”.

*Note: Withdrawal requests received via phone or email that are not accompanied by an official withdrawal form physically signed by the student are not considered official requests under any circumstances.

Should the general good of the University be involved, the right is reserved to request the withdrawal of any student. Withdrawal is not permitted for the purpose of avoiding penalties imposed through the University’s Academic Honesty Policy.

Minimum Standards for Graduation
In order to graduate, candidates for a Bachelor’s degree, an Associate’s degree, or a Certificate must achieve an SJU grade point average of 2.00 on the adult undergraduate level.

Minimum Requirements for Retention
HDC students are permitted to take courses at a rate that is appropriate and convenient for them, normally without incurring any penalties for delay in completing degree program requirements. Students are permitted to take a maximum of 16 credits per semester, unless written approval from the HDC office is obtained. This approval will be considered only in cases where a student’s previous academic performance at Saint Joseph’s University supports that success in more than 16 credits per semester is highly likely.

Students who receive any grade(s) of C or below and/or with a grade point average below 2.25 will receive a warning of insufficient performance. Students who have received multiple failing grades while a student in the HDC Program and/or whose grade point average has fallen below 2.00 will be subject to academic probation. For a description of the method of calculation of the grade point average, see “Grade Point Average.” Continued warnings may result in academic dismissal at the discretion of the HDC Program and/or Associate Dean of the HDC Program.
Academic Probation

Students who are not making satisfactory academic progress according to the standards listed under the “Minimum Standards for Retention” section above will be placed on academic probation. While on probation, a student will be given a prescribed amount of time to raise his or her GPA to an appropriate level (See “Academic Dismissal and Suspension” and “Minimum Requirements for Retention.”). In addition, additional course requirements, registration limits, individual course grade requirements, and/or other conditions may be applied to students who have been placed on academic probation if the student does not raise his or her GPA to the required level within the allotted time and complete any other conditions of academic probation, he or she will be subject to dismissal.

Students will be placed on academic probation after a review of their grades at the end of the fall and spring semesters and at the end of the second summer session and intersession. Students will be informed in writing of their probationary status following each review.

Students placed on probation are strongly encouraged to meet with the Associate Dean or Director, who may place a variety of conditions to the student while on probation. These include, but are not limited to, requiring a student to limit his or course load in a given semester, imposing grade and/or GPA requirements, pass each class, and/or any other appropriate remedial measures. Students on probation are strongly encouraged to consult with an academic advisor to register for any courses, and must do so if at any point their GPA falls below 2.00.

Students may lose their financial aid if they do not attain the required GPA after being placed on probation. In rare instances, the loss of financial aid may be stipulated without any previous probation if the student’s academic standing is so poor that continuing to allow financial aid would not be in the student’s best academic interest. Since these judgments involve issues of academic qualifications and performance, as well as federal and state regulations concerning financial aid, decisions about the loss of financial aid will be made jointly by the Director of Student Financial Services and Compliance and the HDC Director, acting on the recommendations of the Board of Academic Review.

Students on probation making inquiries must address them to the HDC Director. For further information regarding financial aid, one may contact the Director of Student Financial Services and Compliance.

Academic Dismissal and Suspension

Students who fail to complete conditions set forth during the allotted period of academic probation will be subject to academic dismissal. No student may be dismissed without having gone through a probation period (usually two consecutive semesters though this may vary, particularly if a student fails a course while on academic probation). It is understood that exceptional cases will be dealt with according to the administrative discretion of the Director, in consultation with the Associate Dean of the HDC program.

A student who is dismissed for academic reasons may request to be readmitted through a written appeal directed to the HDC Program Director who will share it with the Associate Dean. Requests for readmission will be considered by the Director and Associate Dean, who will take into consideration extenuating circumstances which might enter into a student’s case, and will decide whether and under what circumstances (if any) the student will be readmitted. Students who are readmitted through this process are considered to be on probation and will be subject to any conditions set forth in the readmission letter.

A student may also be dismissed or suspended from the University under the provisions of the Academic Honesty Policy without a term of probation. (See “Academic Honesty Policy.”)

Satisfactory Academic Progress and Financial Aid

Students who are receiving federal, state, or University aid need to maintain a satisfactory rate of academic progress and also meet the “Minimum Requirements for Retention” in order to keep their financial aid eligibility. Part-time students must earn a minimum of 12 credits in at least four courses over a 12-month period in order to show satisfactory academic progress. Full-time students must earn a minimum of 24 credits over a 12-month period. Since financial assistance cannot be assured for more than eight years for students studying for a bachelor’s degree (four years for Associate Degree and two years for Certificate), students planning a longer period to complete their degree program should consult with the HDC Director and Hawk Central.

In addition to the above quantitative parameter as a requirement for retaining financial aid, Saint Joseph’s University also adheres to the qualitative parameter defined under “Minimum Requirements for Retention.” Students receiving financial aid with a GPA below the minimum level will be subject to academic probation. Students are required to maintain the minimum GPA. Students may lose their financial aid if they do not retain the stipulated GPA after being placed on probation. (See “Minimum Requirements for Retention.”)

Evaluation of a student’s academic progress to determine eligibility for financial aid will be made at the end of each semester. At the end of each semester, students who are not meeting the criteria for satisfactory progress will be informed that their current academic record disqualifies them for financial assistance. Both the HDC Director and the Director of Student Financial Services and Compliance reserves the right to make exceptions for special cases.

Class Status

Separate from the notion of “Satisfactory Academic Progress” is the subject of class standing. Advancement through the stages of freshman, sophomore, junior and senior is predicated on the number of semesters completed and hours earned toward completion of the degree program. Normally, at least eight (8) semesters completed are required to finish a baccalaureate degree program. Hence, class standing for bachelor’s degree-seeking students at Saint Joseph’s is based on the following scale, including transfer credits received:

<table>
<thead>
<tr>
<th>Class Standing</th>
<th>Credit Hours Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Less than 24 earned credits</td>
</tr>
<tr>
<td>Sophomore</td>
<td>24-53 earned credits</td>
</tr>
<tr>
<td>Junior</td>
<td>54-83 earned credits</td>
</tr>
<tr>
<td>Senior</td>
<td>84 or more earned credits</td>
</tr>
</tbody>
</table>

Note: For some scholarship, internship, or other purposes, this class standing scale may be adjusted specific to that particular purpose.

Dean’s List

The Dean’s List is published at the completion of the fall and spring semesters. Students working toward a Bachelor’s degree or an Associate’s degree are eligible for this honor.

A student must complete at least 30 credit hours through Saint Joseph’s HDC Program before becoming eligible. A cumulative grade point average of 3.50 is required to achieve and to remain on the Dean’s List. In order to be eligible for Dean’s List consideration for a semester, students must
take at least 6 credits in that semester. A failing semester grade of F in the current semester makes one ineligible for the list in that semester.

**Academic Honor Societies**

**Beta Gamma Sigma Business Honor Society.**

Beta Gamma Sigma is the international honor society serving business programs accredited by AACSB International - The Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International.

HDC Students are eligible for invitation to membership in the Beta Gamma Sigma International Business Honor Society. In order to receive an invitation to Beta Gamma Sigma, students must be a bachelor’s or associate’s degree-seeking student and fulfill either of the following criteria:

- **Tier 1:** Be in the top 10% of eligible HDC students who have earned at least 105 overall credits (including transfer credits) as well as at least 30 credits in the HDC Program
- **Tier 2:** Be in the top 7% of eligible HDC students who have earned more than 75 overall credits and fewer than 105 overall credits (including transfer credits) as well as at least 30 credits in the HDC Program

Invitations are based on cumulative SJU GPAs on the HDC Program level only, and are calculated as of the end of the Intersession semester immediately preceding the invitation. Invitations are generally sent late in the spring semester. Certificate students are not eligible for membership.

**Honors at Graduation**

Honors at graduation will be awarded for SJU grade point averages in all subjects as follows:

<table>
<thead>
<tr>
<th>Type of Honors</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>summa cum laude</td>
<td>3.85</td>
</tr>
<tr>
<td>magna cum laude</td>
<td>3.70</td>
</tr>
<tr>
<td>cum laude</td>
<td>3.50</td>
</tr>
</tbody>
</table>

Averages for honors will be computed on the basis of work completed at Saint Joseph’s in HDC only. To be eligible for honors at graduation, students must complete at least twenty courses in the Haub School of Business Degree Completion Program.

**Commencement**

Commencement exercises are held annually in the spring. Diplomas are issued to students completing degree requirements three times a year, dated September 15 (for degrees completed in the Summer semester), January 15 (for degrees completed in the Fall semester), or the day of Commencement exercises in May (for degrees completed in the Intersession or Spring semesters). Students receiving diplomas dated September or January are invited to participate formally in the Commencement exercises in the May ceremony following their completion date.

Students are required to declare their intention to graduate a semester in advance of their expected graduation date. Under no circumstances will the University “backdate” the awarding of a degree; i.e., prior to the filing of the Intent to Graduate form through The Nest. Students must present themselves for evaluation of their record in order to graduate and have their degree conferred.

Students should consult the Academic Calendar to see when they should file their Intent to Graduate. After their record has been evaluated, graduating seniors will receive detailed information on Commencement procedures.

If a student wishes to walk in the May ceremony preceding his/her actual graduation date, the student should request approval from the Director or Associate Dean in writing. Requests will be considered only for students who will have no more than 6 credits remaining in their degree and are registered for those 6 credits in the Summer semester immediately following the Commencement ceremony. The petitions for students who do not meet these criteria will not be considered and they must attend their regular Commencement ceremony.
THE HDC GENERAL EDUCATION PROGRAM (GEP) FOR B.B.A DEGREES

Purpose of a Curriculum
A curriculum is a course of study planned to assist the student, according to ability and desire, to progress toward educational goals. Such a plan fosters efficient interaction of student, teacher, and other resources, principally within the college environment. The course of study at Saint Joseph’s University is structured to facilitate development of abilities and qualities characteristic of the liberally educated person and pursues a three-fold objective through a three-part curriculum.

The General Educational component ensures mastery of skills required for further study, exposes students to the principal achievements and problems of the major fields of human learning, and introduces them to new disciplines that they may or may not wish to pursue. This portion of the curriculum is composed of courses in languages and literatures, mathematics and natural sciences, history and social sciences, philosophy and theology.

The Major Concentration component gives depth in a particular field and is thus a preparation for an effective career or for graduate study in that field.

Free or general electives allow students to pursue interests, explore new fields, or to continue concentration in their major.

The HDC General Education Program (GEP)
All HDC baccalaureate programs require the following courses as part of the HDC GEP:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies ¹</td>
<td>1</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Natural Science
Students may fulfill the science requirement by taking any 3 or 4 credit natural science course in biology, chemistry, environmental science, or physics. Business majors are not required to take a lab-based science course unless otherwise required by their specific major. ²

Modern Foreign or Classical Language
Select one of the following: ³

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PHL 320</td>
<td>Business, Society, and Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

2 courses (6 credits) in the same foreign language or American Sign Language in level sequence; for example SPA 111 & SPA 112 or ALS 101 & ALS 102

2 courses in Linguistics (LIN courses)

2 courses in Literature in Translation (LTT courses); 2 courses in Classics (CLA courses)

Any combination of 2 courses from LIN, LTT, and CLA courses

Philosophy
2 courses are required

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
</tbody>
</table>

Philosophical Anthropology Section (any PHL course numbered 250 or higher designated as a Philosophical Anthropology course)

1 course from PHL or THE (designated as a Faith and Reason Selection course)

Social Sciences

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro (required for all HDC program majors)</td>
<td>3</td>
</tr>
</tbody>
</table>

Fine Arts or Literature
One approved Art/Lit course selection from ART, CLA, ENG, LIN, LTT, or MTF

Theology
2 courses are required

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>THE 221</td>
<td>Intro to the New Testament</td>
<td>3</td>
</tr>
</tbody>
</table>

After taking ECN 102 remaining courses approved for ILC requirements will vary by major. Some majors have specific courses that must be taken. Please check with your HDC Academic Advisor to see which courses may qualify as ILC courses in your major

Integrative Learning Course
2 courses required

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro (first required ILC course for all HDC majors)</td>
<td>3</td>
</tr>
</tbody>
</table>

Accounting Majors - ILC Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PHL 320</td>
<td>Business, Society, and Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Administration Majors - ILC Options

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
<td>3</td>
</tr>
<tr>
<td>ECN 321</td>
<td>International Trade</td>
<td>3</td>
</tr>
<tr>
<td>ENG 206</td>
<td>Public Speaking &amp; Presentation</td>
<td>3</td>
</tr>
<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
<td>3</td>
</tr>
<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 235</td>
<td>Psychology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 205</td>
<td>Ethnic &amp; Minority Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 208</td>
<td>Sociology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
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<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
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<tr>
<td>PSY 235</td>
<td>Psychology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>SOC 208</td>
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<td>3</td>
</tr>
<tr>
<td>SOC 205</td>
<td>Ethnic &amp; Minority Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 253</td>
<td>Race and Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 202</td>
<td>Sociology of Gender</td>
<td>3</td>
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<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
<td>3</td>
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<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
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<tr>
<td>PSY 122</td>
<td>Abnormal Psychology/Non-Majors</td>
<td>3</td>
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<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
<td>3</td>
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<tr>
<td>PSY 210</td>
<td>Research Methods</td>
<td>4</td>
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<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td>3</td>
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<tr>
<td>SOC 217</td>
<td>Mental Health &amp; Society</td>
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<td>THE 366</td>
<td>Christian Medical Ethics</td>
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**Risk Management & Insurance Majors - ILC Options**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 321</td>
<td>Early American Literature</td>
<td>3</td>
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<tr>
<td>ENG 206</td>
<td>Public Speaking &amp; Presentation</td>
<td>3</td>
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<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
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<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
<td>3</td>
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<td>POL 113</td>
<td>Intro to Comparative Politics</td>
<td>3</td>
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<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
<td>3</td>
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<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
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<td>PSY 200</td>
<td>Personality Psychology</td>
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<td>PSY 235</td>
<td>Psychology of Gender</td>
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<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td>3</td>
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<tr>
<td>SOC 102</td>
<td>Social Problems</td>
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<tr>
<td>SOC 205</td>
<td>Ethnic &amp; Minority Relations</td>
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<td>SOC 208</td>
<td>Sociology of Gender</td>
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<tr>
<td>SOC 253</td>
<td>Race and Social Justice</td>
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**Sports Marketing Majors - ILC Options**

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<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>ECN 420</td>
<td>Sports Economics (Required for Sports Marketing Majors)</td>
<td>3</td>
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</table>

- The lower division requirement (numbered in the 100/200s) in a department must be completed before a student elects upper division courses (numbered in the 300/400s).
- Lower and upper division course designations are determined by each academic department.
- Upper division courses in the elected major field will total a minimum of 24 semester credits.
- The minimum requirement for graduation with a bachelor’s degree is 40 courses, unless the accumulated number of semester credits is less than 120, in which case additional courses must be taken until the minimum 120 is reached.
- Please note that the above detailed GEP is required for all HDC students admitted for the summer 2017 semester or later. Students admitted to begin studies prior to the summer 2017 term may have slightly different GEP curriculum requirements as communicated by the HDC office at the time of admission. Students are encouraged to contact their HDC advisor with any curriculum questions they may have.
- Bachelor’s degree-seeking students who begin their studies in the HDC program between Summer 2016 through Spring 2018 will be required to take at least one course that fulfills one of the following overlays: Writing Intensive, Ethics Intensive, or Diversity/Globalization/Non-Western Studies. Students who begin their studies in the Summer 2018 semester or later must complete at least two such overlay courses, and may not double them (i.e. cannot take two Writing Intensive courses to fulfill both overlay requirements.)
- International students or students whose native language is not English may also take ESL 201 and ESL 202, Composition and Critical Thinking for Non-Native Speakers of English, in their first two semesters to fulfill their language requirement. They must achieve grades of C or better in these courses to continue. ESL 201 and ESL 202 will satisfy GEP Foreign Language Requirements if taken before any other college level course in English.
- International students whose native language is not English may also request an exemption from the Foreign/Classical Language requirement and receive two additional free electives instead. This request must be submitted in writing to the HDC Director no later than the end of his or her first semester of matriculation.
- Please note that the above detailed GEP is required for all HDC students admitted for the summer 2017 semester or later. Students admitted to begin studies prior to the summer 2017 term may have slightly different GEP curriculum requirements as communicated by the HDC office at the time of admission. Students are encouraged to contact their HDC advisor with any curriculum questions they may have.
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**Program Requirements**

The following describe the courses and credits required for the various programs offered in Saint Joseph’s University Haub Degree Completion Program for those students admitted for the summer 2017 semester or later. Students who began their study prior to summer 2017 may have slightly different program requirements and should check with their HDC advisor for their specific requirements.

**HDC Baccalaureate Degree Offerings**

**Bachelor of Business Administration (BBA)**

- Accounting
- Business Administration*
- Business Intelligence & Analytics+
- Entertainment Marketing+
- Family Business & Entrepreneurship+
- Finance
- Food Marketing+
- International Business+
- Leadership, Ethics & Organizational Sustainability+
- Managing Human Capital+
- Marketing
- Marketing+
- Pharmaceutical & Healthcare Marketing+
- Risk Management & Insurance+
- Sports Marketing+
Associate of Business Administration
  • Business Administration*

HDC Certificate Program Offerings
Post-Baccalaureate Certificate
  • Accounting
  • Risk Management & Insurance*

General Certificate (does not require Bachelor's Degree)
  • Business Administration*

* This program may be completed in a fully online format.
+ This program may require daytime on-campus availability.
ACCOUNTING

Department Overview
The undergraduate accounting program is an intensive curriculum designed to develop a professional accountant. The coursework will prepare the student for an accounting career in industry, government or public accounting. Practical exercise, as well as theoretical discussion, provides adequate preparation for the Uniform Certified Public Accountant Examination. A Certificate of Competence in SAP ECC6.0 software is awarded to students upon completion of the core plus ACC 312. The accounting major is designed to provide flexibility in the selection of arts and science courses from broad groupings to augment the professional development of the student.

Associate: Jing Lin, Ph.D.; Joseph Larkin, Ph.D, CPA, CMA, CIA; Waqar Ghani, Ph.D
Assistant: Amy E. Ji, Ph.D.; Tesfalidet Tukue
Visiting: Bob Teti, CPA, Dennis G. Raible, MBA, CPA; Frederick Charles Teufel, Jr.

Chair: Larkin

Undergraduate Major
- Accounting (p. 471)

Adult Undergraduate Major
- Accounting (p. 473)

Adult Undergraduate Certificates
- Post-Baccalaureate Certificate in Accounting (p. 473)
- Post-Baccalaureate Certificate in Risk Management and Insurance (p. 473)

ACC 101 Concepts: Financial Accounting (3 credits)
An introduction to the discipline of accounting from a user’s perspective. Emphasis is on how accounting information and financial statements are used in business decisions, particularly in decisions by people outside the organization. Students will access corporate websites to retrieve and analyze externally published financial information of publicly traded companies. ACC 101EC must be taken with ACC 101, satisfactory completion of this Excel competency component carries with it an additional credit hour.
Attributes: Undergraduate

ACC 101EC Excel Competency (1 credit)

ACC 102 Managerial Accounting (3 credits)
This course covers basic cost accounting terminology, concepts, and classifications. Cost accumulation systems, cost-profit-volume analysis, and uses of accounting information for managerial decision-making purposes are discussed. Students are introduced to the use of spreadsheet application software as an essential tool for analysis of financial data. Prerequisite: ACC 101 and 101EC.
Prerequisites: (ACC 1011 or ACC 1015) or ACC 101 and ACC 101EC
Attributes: Undergraduate

ACC 105 Business in China (3 credits)
ACC 205 Fin Acc Info Sys I (3 credits)
The conceptual basis and procedural framework of accounting is covered in this course. Topics include: revenue recognition, cost allocation, financial statement preparation/presentation, analysis of financial data, and using accounting information for liquidity and profitability assessments. Students are introduced to business technology integration through use of enterprise resource planning applications.
Prerequisites: ACC 101 and ACC 102.
Prerequisites: ACC 205 or ACC 102
Attributes: Undergraduate

ACC 206 Fin Acc Info Sys II (3 credits)
ACC 206 Financial Accounting Information Systems II (3 credits)
The second FAIS course coverage includes solvency and operational capacity; accounting for long-term assets and liabilities; disclosure reporting; financial analysis issues dealing with long-term debt, retirement benefits, and deferred income taxes. Spreadsheet software applications are used as tools for the analysis of assigned problems and projects. Prerequisite: ACC 205.
Prerequisites: (ACC 2051 or ACC 2055) or ACC 205
Attributes: Undergraduate

ACC 212 Management Acc Info Sys I (3 credits)
Topics in this course include the design of cost systems, use of cost system outputs to facilitate operating decisions, and application of management accounting information in strategic planning and control. Spreadsheet software is used in modeling and for problem/project analysis. Prerequisite: ACC 102.
Prerequisites: (ACC 1021 or HON 1783 or ACC 1025) or ACC 102
Attributes: Undergraduate

ACC 307 Fin Acc Info Sys III (3 credits)
The final FAIS course covers stockholders’ equity, business combinations, consolidation accounting, line of business and segment reporting, foreign operations and global accounting/reporting issues, and governmental fund accounting. There is a significant use of enterprise resource planning systems and software application tools in the course.
Prerequisite: ACC 206.
Prerequisites: ACC 2061 or ACC 2065 or ACC 206
Attributes: Undergraduate

ACC 312 Acct &Consult Global Community (3 credits)
This course is designed so that students can develop an understanding of accounting information as a strategic resource and to learn how accounting technology supports business processes. The emphasis is on business process re-engineering and integrating Internet use in B2B exchanges. Topics covered include customer relationship management and strategic enterprise management using hands-on computer interface technology. Student casework focuses on using a leading enterprise resource planning system as a management accounting tool.
Prerequisite: ACC 102.
Prerequisites: ACC 2125 or ACC 102
Attributes: Undergraduate

ACC 315 Federal Income Taxation (3 credits)
Focused on individual taxpayers, this course is a comprehensive introduction to the principles and procedures of income taxation at the federal level. Topics covered include filing status, exemptions, inclusions, exclusions, deductions, property transactions, capital gains and losses, nontaxable exchanges, and credits. Prerequisite: ACC 101.
Prerequisites: (ACC 1011 or ACC 1015 or HON 1773) or ACC 101
Attributes: Undergraduate
ACC 317 Auditing & Assurance Services (3 credits)
This course integrates the most important concepts of auditing and other assurance services to assist students in understanding audit decision making and evidence accumulation. Major topics covered include audit reports, auditing standards, legal liability, ethical issues, evaluation of internal controls, and audit risk. Prerequisite: ACC 206.
Prerequisites: (ACC 2061 or ACC 2065) or ACC 206
Attributes: Undergraduate

ACC 320 Mutual Fund Accounting (3 credits)
In this course, students study the accounting, reporting and operating practices of mutual funds. The history, growth, and current role of the mutual fund industry in the investment environment are covered. The impact of regulations and the industry oversight responsibility of the Securities and Exchange commission are discussed. An introduction is provided to the distinct taxation and auditing issues faced by mutual fund entities.
Prerequisites: ACC 102 and FIN 200

ACC 407 Contemp Topic:Financial Acct (3 credits)
This course explores current issues in the field of financial accounting, covering advanced topics on recording, reporting, display, and disclosure. The impacts of IFRS implementation, changing valuation techniques, and other contemporary topics on professional practice are considered. Prerequisite: ACC 206.
Prerequisites: ACC 206

ACC 410 Financial Statement Analysis (3 credits)
This course provides a user-oriented approach to understanding the information content of financial statements. Applications include ratio, cross-sectional, and time-series analysis of the data produced by the accounting information system. Using financial databases, and case studies, students investigate various aspects of measuring the success of the business organization’s activities that are of value to lenders, owners, and other stakeholders. Prerequisite: ACC 206.
Prerequisites: (ACC 2061 or ACC 2065) or ACC 206
Attributes: Undergraduate

ACC 412 Acc Tech and Financial Mngmt (3 credits)
This course is designed to engage students with a wide range of technologies that enhance private and public consultancy practice. Students will learn useful Excel skills for application in accounting, finance, and business planning. In addition, the course will present the project management function as a foundation for managing business processes and information systems. Students can be expected to develop an understanding of the strategic role of technology in obtaining competitive advantage, shortening periodic financial report preparation, and improving managerial decision making. The class environment will be experiential in nature, with a strong focus on Microsoft Excel, Microsoft Access, planning systems, and reporting software applications.
Prerequisites: ACC 102

ACC 415 Special Topics in Fed Taxation (3 credits)
A comprehensive study of the federal income tax treatment of corporations, partnerships, and fiduciary entities. Taxation of gratuitous transfers is also covered. This examination of tax laws and procedures takes the form of studying illustrative examples and completion of problem-solving exercises. Prerequisite: ACC 315 or permission of instructor.
Prerequisites: (ACC 2151 or ACC 2155) or ACC 315
Attributes: Undergraduate

ACC 417 Advanced Auditing (3 credits)
In this course, theoretical auditing concepts and prescribed audit procedures are applied to actual professional practice situations. The course is largely case based. Topics include audit failures, audit firm liability, impacts of the Sarbanes-Oxley Act on the profession, and ethical responsibilities of the auditor. Prerequisite: ACC 317.
Prerequisites: (ACC 2171 or ACC 2175) or ACC 317
Attributes: Undergraduate

ACC 418 Cont Topics Audit & Assur Svcs (3 credits)
This course examines emerging issues in the field of audit and assurance services, covering subjects related directly to the attestation function in professional practice. The influences of new professional standards, risk assessment needs, heightened concerns about ethical matters, and other current topics in professional practice are considered.
Prerequisites: ACC 317
Attributes: Undergraduate

ACC 419 Contemporary Accounting Topics (3 credits)
ACC 420 Fund Accounting (3 credits)
This course provides students with an introduction to the fund-based theory and practice of accounting as it is applied in governmental and nonprofit entities. Emphasis is placed on the comprehensive annual financial reporting model used for communicating with organizations' stakeholders. Prerequisite: ACC 205.
Prerequisites: (ACC 2051 or ACC 2055) or ACC 205
Attributes: Undergraduate

ACC 422 Forensic Accounting (3 credits)
This course covers forensic accounting techniques that address the contemporary need to prevent, detect, investigate, and prosecute financial fraud perpetrators. Tools and systems used in auditing for fraud instances are discussed. Also reviewed are the professional pronouncements that apply to the independent accountant in the circumstances when financial malfeasance is suspected or uncovered. Ethical considerations and other professional responsibilities that impact the auditor and the client’s stakeholder community are included in the various cases that form the basis for course coverage. Prerequisite: ACC 317 or permission of Department Chair.
Prerequisites: ACC 317
Attributes: Undergraduate

ACC 430 International Accounting (3 credits)
This course introduces students to the accounting challenges faced by multinational companies. By reviewing the diversity of accounting systems in various countries, cultural and environmental influences on accounting and financial reporting are observed. The worldwide movement to converge or replace various national accounting rules with International Financial Reporting Standards is described. Specific issues addressed include financial disclosure, consolidation, currency translation, transfer pricing, and cross-border taxation. Prerequisite: ACC 102.
Prerequisites: (ACC 1021 or ACC 1025 or HON 1783) or ACC 102
Attributes: Globalization Course (New GEP), Undergraduate

ACC 470 Special Topics in Accounting (3 credits)
Prerequisite: Permission of Department Chair.
Attributes: Undergraduate

ACC 490 Accounting Internship (3 credits)
Prerequisites: Non-native language requirement satisfied, ACC 206, ACC 212 and have no more than 16 courses to complete before graduating.
ACC 491 Summer Internship (3 credits)
A summer internship experience can be completed with a company that recruits on campus or the student can arrange an internship on her/his own. Prerequisites: ACC 206, ACC 212, declared Accounting major, and permission of the instructor.

ACC 493 Accounting Research (1-3 credits)
Prerequisite: Permission of Department Chair.
Attributes: Undergraduate

ACC 500 Acc, Bus Anlyss and Fin Report (3 credits)
This course is designed to reinforce the conceptual foundation of accounting since its outcomes are used in managerial decision making, business analysis, and external financial reporting. Measuring, recording, summarizing, reporting, and interpreting financial transactions for U.S. companies are covered. Topics include the financial reporting model; cash- and accrual-basis measurement of profitability; basic financial analysis for business decisions; and reporting on the financing, investing, and operating activities of enterprises. Emphasis is placed on the importance of accounting data for managerial decision making and insight with respect to the importance of ethical behavior within business entities.
Restrictions: Enrollment is limited to Graduate level students.

ACC 509 Curricular Practical Training (1 credit)

ACC 510 Accounting Foundation (2 credits)
This course deals with financial accounting and reporting, and the understanding of the four basic financial statements: balance sheets, income statements, retained earnings statements, and cash flow statements. It analyzes the role of the manager in the development and use of financial statements. The use of key ratios in the analysis of the firm's financial statement is also discussed.

ACC 511 Accounting Foundation (2 credits)
This course deals with financial accounting and reporting, and the understanding of the four basic financial statements: balance sheets, income statements, retained earnings statements, and cash flow statements. It analyzes the role of the manager in the development and use of the preparation of financial statements. The use of key ratios in the analysis of a firm's financial statement is also discussed.
Restrictions: Enrollment is limited to Graduate level students.

ACC 520 Accounting Foundation (2 credits)

ACC 530 Accounting Concepts-Exec MBA (2 credits)
This course is designed to provide an overview of how financial information is accumulated, analyzed, interpreted, summarized, and communicated. Emphasis is placed upon an understanding of the concepts necessary to use accounting data effectively. In keeping with this focus, a user's or manager's approach (as opposed to a preparer's or accountant's approach) is adopted throughout this consideration of accounting principles and reports. In addition to the discussion of aspects of "external" reporting, this module will provide an introduction to "internal" reporting (i.e., managerial accounting) by way of examining the methods by which product costs are accumulated. The role of accounting in the manufacturing, merchandising, service industry and government will be examined. Also, the auditing implications for organizations including internal control systems and the role of the external auditor will be discussed.
Restrictions: Enrollment limited to students in the MBAEX program.

ACC 545 Cook the Books:Lessons Bus Eth (3 credits)
This course is designed to be an integrative business course with underpinnings in business ethics. In light of the accounting scandals and recent financial meltdowns, it is important for students to understand and appreciate the role of accounting in various corporate settings. Topics covered in this course will provide insight as to why ethical mindset is needed in applying various accounting principles, rules, and regulations. The purpose of requiring students to complete the Financial Shenanigan projects is to help them develop essential business skills such as: oral and written communication, working in teams, and ability to conduct research.
Restrictions: Enrollment is limited to Graduate level students.
Attributes: Gateway Course (Grad HSB)

ACC 550 Creat & Meas Shareholder Value (3 credits)
This course employs a case-based approach for assessing the value of the firm and demonstrating how shareholder value is increased. Coverage includes a description of value creation fundamentals and a discussion of contemporary value metrics such as cost-profit-volume analysis, economic value added, and activity-based measurement of management effectiveness. Using financial databases, students work in teams to apply the analytic tools of managerial decision making and prepare comprehensive reports (e.g., the Balanced Scorecard) that measure managerial performance in enhancing firm value. Prerequisites: ACC 500 and FIN 503.
Prerequisites: (ACC 500 or HSB Waiver with a score of AC500 or ACC 500 Waiver Score with a score of 1) and (FIN 503 or HSB Waiver with a score of FN503 or FIN 500 Waiver Score with a score of 1)
Restrictions: Enrollment is limited to Graduate level students.

ACC 560 Managerial Accounting (2 credits)
This course builds upon ACC 510 Accounting Foundation. Major topics covered include: costing, budgeting, segment reporting, profitability, and decentralization. Other topics include relevant costs for decision making and service department costing. Prerequisite ACC 510.
Prerequisites: ACC 510 or HSB Waiver with a score of ACS10
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

ACC 561 Managerial Accounting (2 credits)

ACC 570 Creat&Meas Share Value Ex MBA (2 credits)
An examination of the sources and uses of internal accounting information in the planning and control processes of the firm. Specific areas of coverage include budgeting, activity based costing, TQM, "cost, profit volume analysis," accounting decision models, capital budgeting, time value of money, and the behavioral impacts of control systems.

ACC 580 Managerial Accounting I (2 credits)

ACC 581 Managerial Accounting II (2 credits)

ACC 585 Accounting Info Mangement II (2 credits)

ACC 601 Tax Planning (3 credits)
The goal of this course is to introduce the many tax planning opportunities that are inherent in management and personal financial decisions. The emphasis is on acquiring recognition-level knowledge of the important role taxation plays in the daily operation of business enterprises and in each individual's personal financial affairs. Prerequisite: ACC 500.
Prerequisites: MBA 4115 or ACC 550
Restrictions: Enrollment is limited to Graduate level students.
ACC 602 Financial Statement Analysis (3 credits)
This course provides a study of how to analyze a business enterprise through financial statements and related data. Topics covered include cash flow analysis, return on invested capital, profitability assessments, forecasting, credit review, and equity analysis and valuation. Prerequisite: ACC 550
Prerequisites: MBA 4115 or ACC 550
Restrictions: Enrollment is limited to Graduate level students.

ACC 609 Curricular Practical Training (1 credit)

ACC 610 Topics in Accounting (3 credits)
This course covers contemporary issues of interest in the professional field of accountancy. Specific topics are detailed in the Graduate Business Course Offerings announcement. Prerequisite: ACC 550.
Prerequisites: MBA 4115 or ACC 550
Restrictions: Enrollment is limited to Graduate level students.

ACC 620 Fin Statement Analysis-Ex.MBA (1 credit)
This course is designed to acquaint the business professional with the tools to properly analyze financial statements. Emphasis will be placed on evaluating the quality of current earnings, the use of ratio analysis, and the use of external resources. Annual reports will be analyzed as part of a group project.

ACC 730 International Acc Study Tour (3 credits)
A specially designed International Tour to varying countries which offer students a unique opportunity to study International Accounting—its dimensions, participants, trends and opportunities. Students will also experience the heritage, ambiance and excitement of the world’s great countries and cities. Prerequisite: ACC 550.
Prerequisites: MBA 4115 or ACC 550

ACC 793 Research in Accounting (3 credits)
By permission of Chair, Prerequisite: ACC 550
Prerequisites: MBA 4115 or ACC 550

Accounting Major

Accounting Major Learning Goals and Objectives

Objective 1.1: Students will be able to demonstrate an understanding of the concepts and theories of generally accepted accounting principles (GAAP)

Objective 1.2: Students will be able to demonstrate knowledge of financial statements, including the purpose, content and presentation methods and disclosure in reports

Objective 1.3: Students will be able to demonstrate knowledge of generally accepted auditing standards (GAAS) and US income tax compliance procedures

Objective 2.1: Students will be able to demonstrate an ability to identify ethical issues in accounting, auditing and taxation matters

Objective 2.2: Students will be able to demonstrate knowledge of the legal, ethical and regulatory environment of accounting, auditing and taxation

Objective 2.3: Students will be able to demonstrate and ability to ethically employ information technology

Objective 2.4: Students will be able to demonstrate and understanding of the importance of the accounting discipline in maintaining high standards of integrity in business and commercial activities and the need that fidelity in reporting has for orderly financial market operations.

Objective 3.1: Students will be able to demonstrate a superior ability to analyze financial statements from a user/investor perspective.

Objective 3.2: Students will be able to demonstrate an ability to design, implement and evaluate accounting information systems for internal use in data gathering and control.

Objective 4.1: Students will exhibit competence in developing clear, effectively written documents which highlight accounting, auditing, or taxation activities.

Objective 4.2: Students will be able to communicate clearly and effectively in composing and delivering oral presentations to a targeted audience.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

Free Electives
Five to nine courses
 Educational credentials by the time their undergraduate degree is achieved are important for students who want to be certain that they have achieved the appropriate level of education.

The Department of Accounting has developed a flexible program for students to prepare for licensure in the various U.S. states and territories. Open access is available for this information at www.nasba.org (http://www.nasba.org).

For those who want to enter a professional career in accountancy and qualify for licensure as soon as the bachelor's degree is earned (i.e., to Be Ready in Four) - this is the optimal plan of academic study. See your faculty advisor as soon as you declare your major so that an individualized plan can be developed to meet your needs. Be a CPA .... Be Ready in Four.

### Specialization in Accounting

Whether or not a student fully participates in the Department’s "Be Ready in Four" Advisory Option, there is ample opportunity in the 4-year program to focus academic studies on a particular specialty area of the accountancy profession. The Department offers upper-level study in the following areas and recommends the courses shown below:

#### General Statement

In order for a student to declare a major in accounting or remain in the major, a grade of C (2.0) or better must be earned in both ACC 101, Concepts of Financial Accounting, and ACC 102, Managerial Accounting.

#### Major Concentration

This requires six courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 205</td>
<td>Fin Acc Info Sys I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 206</td>
<td>Fin Acc Info Sys II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 212</td>
<td>Management Acc Info Sys I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 307</td>
<td>Fin Acc Info Sys III</td>
<td>3</td>
</tr>
<tr>
<td>ACC 315</td>
<td>Federal Income Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACC 317</td>
<td>Auditing &amp; Assurance Services</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Advisory Options-Licensure and Specialization in Accounting

Students who intend to enter a career in professional public accounting practice should consider the two advisory options below and discuss program planning needed with their faculty advisor as early as possible in their academic studies in the Department. Additional detail about the Department’s program and careers in accounting can be found on the University’s web site at www.sju.edu/academics/hsb/accounting.

### Be Ready in Four

For those students who want to be prepared for licensure as a Certified Public Accountant, special attention is required to earn sufficient credit hours overall and in certain areas. Licensure occurs at the state level, and most jurisdictions now require 150 credit hours of accumulated post-secondary academic work for a license to be granted (after successfully passing the Uniform Certified Public Accounting Examination and satisfying an experience prerequisite). Visit the National Association of State Boards of Accountancy web site to learn all about the CPA examination process, as well as educational and experience requirements for licensure in the various U.S. states and territories. Open access is available for this information at www.nasba.org (http://www.nasba.org).

The Department of Accounting has developed a flexible program for students who want to be certain that they have achieved the appropriate educational credentials by the time their undergraduate degree is granted.

For those who want to enter a professional career in accountancy and qualify for licensure as soon as the bachelor's degree is earned (i.e., to Be Ready in Four) - this is the optimal plan of academic study. See your faculty advisor as soon as you declare your major so that an individualized plan can be developed to meet your needs. Be a CPA .... Be Ready in Four.

### Specialization in Accounting

Whether or not a student fully participates in the Department's "Be Ready in Four" Advisory Option, there is ample opportunity in the 4-year program to focus academic studies on a particular specialty area of the accountancy profession. The Department offers upper-level study in the following areas and recommends the courses shown below:

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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 312</td>
<td>Acct &amp; Consult Global Community</td>
<td>3</td>
</tr>
<tr>
<td>ACC 320</td>
<td>Mutual Fund Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 407</td>
<td>Contemp Topic: Financial Acct</td>
<td>3</td>
</tr>
<tr>
<td>ACC 412</td>
<td>Acc Tech and Financial Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>ACC 417</td>
<td>Advanced Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACC 418</td>
<td>Cont Topics Audit &amp; Assur Svcs</td>
<td>3</td>
</tr>
<tr>
<td>ACC 420</td>
<td>Fund Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 422</td>
<td>Forensic Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 490</td>
<td>Accounting Internship</td>
<td>3</td>
</tr>
<tr>
<td>MGT 362</td>
<td>Legal Environ't of Business</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Financial Services

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 320</td>
<td>Mutual Fund Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 410</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ACC 412</td>
<td>Acc Tech and Financial Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>ECN 465</td>
<td>Consumer Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 100</td>
<td>Personal Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 201</td>
<td>Markets and Institutions</td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td>FPL 200</td>
<td>Personal Financial Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Information Systems & Financial Management

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 312</td>
<td>Acct &amp; Consult Global Community</td>
<td>3</td>
</tr>
<tr>
<td>ACC 412</td>
<td>Acc Tech and Financial Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>ACC 422</td>
<td>Forensic Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CSC 110</td>
<td>Building Virtual Worlds</td>
<td>3</td>
</tr>
<tr>
<td>CSC 120</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
</tbody>
</table>

#### International Accounting

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 430</td>
<td>International Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECN 322</td>
<td>International Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 302</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>IBU 363</td>
<td>International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>IBU 420</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 331</td>
<td>International Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>
Accounting B.B.A.

HDC General Education Program (GEP) Requirement
(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104: Adult Student Seminar Selection</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Tradition</td>
<td>3</td>
</tr>
<tr>
<td>or THE 221</td>
<td>Intro to the New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Theology: Religious Difference course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Faith and Reason course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select the following:</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>Additional course from approved list $^1$</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

$^1$ List of approved courses varies by major.

Business Foundation Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

Accounting Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ACC 205</td>
<td>Fin Acc Info Sys I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 206</td>
<td>Fin Acc Info Sys II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 307</td>
<td>Fin Acc Info Sys III</td>
<td>3</td>
</tr>
<tr>
<td>ACC 212</td>
<td>Management Acc Info Sys I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 315</td>
<td>Federal Income Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACC 317</td>
<td>Auditing &amp; Assurance Services</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Accounting majors matriculating in Summer 2015 or later require two ILC courses and have a total of 6 additional free electives.

Accounting Post-Baccalaureate Certificate

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 205</td>
<td>Fin Acc Info Sys I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 206</td>
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<tr>
<td>ACC 307</td>
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<td>ACC 212</td>
<td>Management Acc Info Sys I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 315</td>
<td>Federal Income Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACC 317</td>
<td>Auditing &amp; Assurance Services</td>
<td>3</td>
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</tbody>
</table>

Electives

Select three of the following: 9

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<tbody>
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<tr>
<td>ACC 320</td>
<td>Mutual Fund Accounting</td>
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</tr>
<tr>
<td>ACC 410</td>
<td>Financial Statement Analysis</td>
<td></td>
</tr>
<tr>
<td>ACC 415</td>
<td>Special Topics in Fed Taxation</td>
<td></td>
</tr>
<tr>
<td>ACC 417</td>
<td>Advanced Auditing</td>
<td></td>
</tr>
<tr>
<td>ACC 418</td>
<td>Cont Topics Audit &amp; Assur Svcs</td>
<td></td>
</tr>
<tr>
<td>ACC 420</td>
<td>Fund Accounting</td>
<td></td>
</tr>
<tr>
<td>ACC 422</td>
<td>Forensic Accounting</td>
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</tr>
<tr>
<td>ACC 430</td>
<td>International Accounting</td>
<td></td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td></td>
</tr>
<tr>
<td>MGT 362</td>
<td>Legal Environ’t of Business II</td>
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</tbody>
</table>

Note: Students may transfer in no more than three of the above courses from previous undergraduate study.

Risk Management and Insurance Post-Baccalaureate Certificate

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FIN 200</td>
<td>Intro to Finance $^1$</td>
<td>1</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>RMI 200</td>
<td>Introduction to Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 300</td>
<td>Property and Casualty</td>
<td>3</td>
</tr>
<tr>
<td>RMI 301</td>
<td>Corporate Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>Take one 300-400 level RMI elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Choose one 300-400 level RMI, FIN, FPL, or REF course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Choose one RMI course at the 400 level</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

$^1$ Students who have already taken equivalent courses for one or both of these courses will substitute additional flexible elective(s). HDC program staff will determine these electives.
ACTUARIAL SCIENCE

Actuarial Science is an inter-college major with combined coursework from the Haub School of Business and the College of Arts and Sciences. Please see Actuarial Science in the College of Arts and Sciences section in this catalogue.

ASC 150 First Year Seminar (3 credits)
This first year seminar course provides an introduction to the techniques actuaries use to forecast the future and quantify risk. Selected topics include time series analysis and statistical correlation, credibility theory, pricing insurance products and risk load, portfolio theory and asset allocation management. Students are also required to make a presentation on a topic of current interest in actuarial science. The course is taught in a computer classroom and students make extensive use of Microsoft Excel in the development of mathematical models.
Attributes: First-Year Seminar, Undergraduate

ASC 301 Actuarial Probability (3 credits)
This course provides an introduction to the basic probabilistic principles of insurance and Risk Management. Selected topics are covered to enable the application of probability theory to solve problems found in insurance and risk management applications. A problem solving approach will be adopted to provide preparation to pass the first actuarial exam co-sponsored by the Casualty Actuarial Society (Part 1) and the Society of Actuaries (Part P). Prerequisite: MAT 321.
Prerequisites: MAT 321
Attributes: Undergraduate

ASC 401 Financial Math - Actuarial Sci (3 credits)
This course provides an introduction to the basic probabilistic principles of insurance and Risk Management. Selected topics are covered to enable the application of probability theory to solve problems found in insurance and risk management applications. A problem solving approach will be adopted to provide preparation to pass the first actuarial exam co-sponsored by the Casualty Actuarial Society (Part 1) and the Society of Actuaries (Part P). Students may not receive credit for both this course and FIN 493, depending on the content of the course. Please consult the Program Director.
Prerequisites: MAT 162
Attributes: Undergraduate

ASC 402 Models of Financial Economics (3 credits)
This course introduces basics of pricing and hedging (risk management) of financial derivatives. Major topics which will be discussed are: a put-call parity, the binomial model for pricing European and American contingent claims, the continuous time model, Brownian motions, stochastic differential equations, Ito formula, Black-Scholes type equations, delta-hedging, exotic options, affine interest models, price zero-coupon bond, Monte Carlo simulation, variance reduction technique. This course will prepare students for the actuarial science examination in Model of Financial Economics which is co-sponsored by the Casualty Actuarial Society (Exam 3F) and the Society of Actuaries (Exam MFE). If time permits, the class will discuss the fundamental difference between Actuarial Pricing and Financial Pricing and how to combine them to price hybrid products such as Variable Annuities.
Prerequisites: MAT 322 and ASC 401
BUSINESS ADMINISTRATION

Professors
• Herschel
• Hogan

Associate Professors
• Larkin
• Patton
• Sillup
• Wood

Undergraduate Major
• Business Administration (p. 476)

Graduate Degree
• Master of Business Administration (p. 478)

Graduate Certificates
• Pre-MBA Certificate (p. 484)

Adult Undergraduate Majors
• Business Administration (p. 476)
• Associate of Science in Business Administration (p. 476)

Adult Undergraduate Minors
• Business Minor for Non-Business Majors (p. 478)

Adult Undergraduate Certificates
• Certificate of Proficiency in Business Administration (p. 478)

BUS 370 Special Topics (3 credits)
BUS 495 Business Policy (4 credits)

BUS 570 Strategic Management & Mktg (2 credits)
BUS 571 Global Business (4 credits)

International Management This course focuses on the interrelated issues of the environment of international business, international business strategy, and organizational structure behavior and coordination. The impact of culture, competition and market forces is explored. International trade will also be examined, with an emphasis on global trading blocs and transition economics. International Accounting A broad overview of international accounting with an emphasis on the standards and practices in selected countries (Japan, U.K., Germany) and regions (European Community). Issues of current interest such as attempts to harmonize differing financial disclosure practices around the world, international transfer pricing strategies, the accounting for foreign currency transactions, and the impact of international taxation will be discussed in an attempt to sensitize students to variations in the accounting practices encountered beyond the local (domestic) perspective. International Finance A study of the ways and means to reduce financial risks involved in international financial management. Consequently, the course deals with the interrelationship between the international monetary environment and financial planning for corporations with overseas operations. It analyzes the effects on international financial planning—such factors as exchange rate fluctuations, currency restrictions, and tax regulations. It examines financial aspects of multinational business including foreign investments and trade. International Marketing Analyzes the differences between marketing in the USA and international markets. The major objective is to have students gain an understanding of the people, history, culture, current economic situation, business practices, and entry strategies for the European Union, Eastern Europe, C.I.S., Middle East, Central and Latin America, and Asia.

Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

BUS 572 Global Residency (2 credits)
The international residency is an eight day (approximate) international trip under the guidance of EMBA faculty members. This trip provides first hand exposure to the impact of culture, competition, health care, and market forces on businesses and economies. Students tour businesses in a variety of industries, speak with executives and attend lectures. Project assignment for this course is given by EMBA faculty members assigned to the trip.

Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program.

BUS 582 Business Ethics (2 credits)
One of the most distinctive features of Saint Joseph’s Executive Master’s in Food Marketing Program is its emphasis on business ethics. This course will explore the general background of moral theory followed by discussion of business ethics in specific situations. Decision scenarios, both written and video, as well as cases, will be evaluated. In addition, students will have the opportunity to discuss the ethical dilemmas which confront food marketers.

Restrictions: Enrollment is limited to Graduate level students.

BUS 591 Business Ethics (2 credits)
A. B. A. Business Administration Program

HDC General Education Program (GEP) Requirement
(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104: Adult Student Seminar Selection</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 123</td>
<td>Differential Calculus</td>
<td></td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>or THE 221</td>
<td>Intro to the New Testament</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>31</td>
</tr>
</tbody>
</table>

Business Administration Majors

Three total 200-400 level courses. Courses must come from at least two of the following academic areas:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Business Administration B.B.A.

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

Business Administration Majors

Six total 200-400 level courses. Two courses each must come from three of the following academic areas:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting: ACC courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Intelligence: DSS courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance: FIN, FPL, RMI, or REF courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Food Marketing: FMK courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management: FBE, LEO, MGT, MHC, or BUS courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing: MKT courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pharmaceutical Marketing: PMK courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Business Administration majors require two ILC courses and have a total of 6 additional free electives.

Business Administration Major Objectives

Students completing this major will:

- Develop a basic understanding of the fundamentals in three business disciplines.
- Tailor a program of study among related, but independent disciplines, providing a wider view of an organization.
- Develop an understanding interpersonal and business issues associated with three different business subject areas.
- If you want to launch a career in business, the Business Administration (BSA) major offers flexibility and choice. As a BSA major (no minor available) we provide you with the theory, tools and practical knowledge required for functioning within a general business environment. The major is for day HSB students interested in a general business degree at Saint Joseph’s University and addresses the needs of students wanting to major in Business without specializing. Your course of study can be tailored to your interests as you choose two courses from any three of the seven departments in HSB for a total of six courses. You may only double major or minor in College of Arts and Sciences majors and minors if you declare a Business Administration major.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

Note: Associate Degree students do not have free elective courses.
General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

NOTE: In no case may an ILC course be double counted towards completing other requirements of the Business Administration major.

NOTES
1. Check the current Academic Catalog for any pre-requisites to the courses. You are responsible to complete any necessary pre-requisites.
2. Check the Course Schedule for overlays as many ILCs are approved overlay courses.
3. Check with the appropriate department for course scheduling as not all courses are offered every semester.

Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two from the following areas:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 321</td>
<td>International Trade</td>
<td></td>
</tr>
<tr>
<td>ECN 322</td>
<td>International Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECN 330</td>
<td>Economics of Labor</td>
<td></td>
</tr>
<tr>
<td>ECN 360</td>
<td>Industrial Organization</td>
<td></td>
</tr>
<tr>
<td>ECN 365</td>
<td>Game Theory</td>
<td></td>
</tr>
<tr>
<td>ECN 370</td>
<td>Economic Development</td>
<td></td>
</tr>
<tr>
<td>ECN 375</td>
<td>Environmental Economics</td>
<td></td>
</tr>
<tr>
<td>ECN 390</td>
<td>The Economics of Healthcare</td>
<td></td>
</tr>
<tr>
<td>ECN 410</td>
<td>Econometrics</td>
<td></td>
</tr>
<tr>
<td>ECN 415</td>
<td>Economic Forecasting</td>
<td></td>
</tr>
<tr>
<td>ECN 430</td>
<td>Modern Economic Systems</td>
<td></td>
</tr>
<tr>
<td>ECN 445</td>
<td>Ecno. of Multinatrl Enterprises</td>
<td></td>
</tr>
<tr>
<td>ECN 460</td>
<td>African Economies</td>
<td></td>
</tr>
<tr>
<td>ECN 465</td>
<td>Consumer Economics</td>
<td></td>
</tr>
<tr>
<td>ECN 470</td>
<td>Ethical Values &amp; the Marketplce</td>
<td></td>
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<tr>
<td>ECN 477</td>
<td>Chinese Economics</td>
<td></td>
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<tr>
<td>ECN 480</td>
<td>Ecns of Poverty &amp; Income Diat</td>
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<tr>
<td>ECN 485</td>
<td>Ecns of Migration &amp; Immigrtn</td>
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<tr>
<td>ENG 206</td>
<td>Public Speaking &amp; Presentation</td>
<td></td>
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<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
<td></td>
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<tr>
<td>ENG 426</td>
<td>Nature Writing in America</td>
<td></td>
</tr>
<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
<td></td>
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</table>

Environmental Science

Interdisciplinary Health Services Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHS 211</td>
<td>HealthCareSystem/ Responsibility</td>
<td></td>
</tr>
<tr>
<td>PHL 316</td>
<td>Food and Justice</td>
<td></td>
</tr>
<tr>
<td>PHL 326</td>
<td>Philosophy of Sports</td>
<td></td>
</tr>
<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
<td></td>
</tr>
<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>POL 115</td>
<td>Introduction to Global Politics</td>
<td></td>
</tr>
<tr>
<td>POL 117</td>
<td>Intro to Political Thought</td>
<td></td>
</tr>
<tr>
<td>POL 308</td>
<td>American Political Institution</td>
<td></td>
</tr>
<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
<td></td>
</tr>
<tr>
<td>POL 311</td>
<td>Const Law:Rights &amp; Civil Lib</td>
<td></td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
<td></td>
</tr>
<tr>
<td>POL 314</td>
<td>Public Administration</td>
<td></td>
</tr>
<tr>
<td>POL 323</td>
<td>Women and American Politics</td>
<td></td>
</tr>
<tr>
<td>POL 324</td>
<td>Race &amp; Ethnic Politics in U.S.</td>
<td></td>
</tr>
<tr>
<td>POL 326</td>
<td>Protesting Inequality</td>
<td></td>
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<tr>
<td>POL 327</td>
<td>Environmental Politics in Am</td>
<td></td>
</tr>
<tr>
<td>POL 331</td>
<td>Latin American Politics</td>
<td></td>
</tr>
<tr>
<td>POL 332</td>
<td>Politics of Japan</td>
<td></td>
</tr>
<tr>
<td>POL 333</td>
<td>Asian Democ at the Crossroads</td>
<td></td>
</tr>
<tr>
<td>POL 334</td>
<td>Russian Politics</td>
<td></td>
</tr>
<tr>
<td>POL 338</td>
<td>Democracy:Perspect. from Rome</td>
<td></td>
</tr>
<tr>
<td>POL 367</td>
<td>Ethics in Intentionl Affairs</td>
<td></td>
</tr>
<tr>
<td>POL 368</td>
<td>Women, Gender &amp; World Politics</td>
<td></td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 123</td>
<td>Psychology of Men and Women</td>
<td></td>
</tr>
<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
<td></td>
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<tr>
<td>PSY 212</td>
<td>Multicultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 230</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 235</td>
<td>Psychology of Gender</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
<td></td>
</tr>
<tr>
<td>SOC 102</td>
<td>Social Problems</td>
<td></td>
</tr>
<tr>
<td>SOC 205</td>
<td>Ethnic &amp; Minority Relations</td>
<td></td>
</tr>
<tr>
<td>SOC 208</td>
<td>Sociology of Gender</td>
<td></td>
</tr>
<tr>
<td>SOC 211</td>
<td>Classical Sociological Theory</td>
<td></td>
</tr>
<tr>
<td>SOC 253</td>
<td>Race and Social Justice</td>
<td></td>
</tr>
<tr>
<td>SOC 262</td>
<td>White Collar Crime</td>
<td></td>
</tr>
<tr>
<td>SOC 316</td>
<td>Fair Trade:Coffee-Co-Op to Cup</td>
<td></td>
</tr>
<tr>
<td>SOC 335</td>
<td>Classes and Power in US</td>
<td></td>
</tr>
<tr>
<td>SOC 345</td>
<td>Law and Social Policy</td>
<td></td>
</tr>
<tr>
<td>SOC 349</td>
<td>Poverty, Ethics &amp; Soc.Policy</td>
<td></td>
</tr>
<tr>
<td>SOC 358</td>
<td>Consumr Cult &amp; Globl Perspctve</td>
<td></td>
</tr>
<tr>
<td>SOC 363</td>
<td>Phila: In Black and White</td>
<td></td>
</tr>
</tbody>
</table>

Free Electives
Six courses

Business Foundation
Ten courses, including:
Business Minor for Non-Business Majors

Non-HDC Students may opt to minor in Business Administration by taking the following six courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>MGT 121</td>
<td>Organizations in Perspc Honors (University Honors students only)</td>
<td></td>
</tr>
<tr>
<td>MGT 361</td>
<td>Introduction to Law Honors (University Honors students only)</td>
<td></td>
</tr>
<tr>
<td>or MGT 360</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

Note: Students who have completed a course in statistics may substitute any other business course for DSS 210 with the approval of the department chair. ACC 101 and DSS 210 are prerequisites for FIN 200.

Certificate of Proficiency in Business Administration

(No Bachelor's Degree is required)

This certificate requires a minimum of eight (8) undergraduate level courses from any of the 14 available subject areas.

Note: Students must fulfill all course prerequisites for the courses they wish to register for. While these may be fulfilled by prior study at SJU or another institution, students will not receive transfer credit for any courses from previous undergraduate study.

MBA Program

Erivan K. Haub School of Business

Patricia Rafferty, Ed.D., Director, MBA Program
Kate Sunstien, MBA, Program Manager/Recruiter, Graduate Business Programs
Lauren Rose Dinuzzo, BA, Program Administrator, Graduate Business Programs

Mission Statement

The mission of Saint Joseph’s Master's in Business Administration program is to strengthen the managerial effectiveness and leadership potential of both current and future professionals while at the same time fostering a genuine sensitivity to the ethical, moral, and cultural aspects of contemporary global society. This objective is to be accomplished through effective teaching, meaningful curricula, appropriate advising, and faculty commitment to research and service.

Admissions Requirements

Applicants for admission must possess a baccalaureate degree from an accredited college or university. The applicant must submit the following:

- A completed application form (available online at www.sju.edu/mba), accompanied by a non-refundable application fee;
- Official transcripts indicating receipt of a baccalaureate degree from an accredited college or university.
- Official GMAT or GRE test scores; information is available for the GMAT at www.mba.com (http://www.mba.com) and for the GRE at www.ets.org/gre (http://www.ets.org/gre). Scores for the GMAT/GRE exam are valid if the exam has been taken within seven years of the student's application. Official copies are those sent to Saint Joseph's directly from GMAT or GRE. Saint Joseph's GMAT institution code is WL8-WS-63 and our GRE code is 2801. Under certain conditions the GMAT/GRE exam may be waived by petition. Please contact sjumba@sju.edu for more information on the possible GMAT/GRE waiver.
- Two letters of recommendation, one from an employer and one from a former professor; if no prior employment, both letters may be from...
Retention Processes and Policies

Students enrolled in the MBA Program have six years to complete their MBA degree from Saint Joseph's University. This six-year limit begins with the student’s first Gateway level or above course registration. Extensions beyond this limit can only be made with the approval of the Dean, and only for unusual and serious circumstances.

Students who exceed the time limit to complete the MBA Program will be dismissed from the program. Such students may reapply for admission into the program as new students under current admissions standards. Reinstated students may not receive credit for previous coursework.

Admissions Committee

The decision for accepting applicants into the program will be made by the Associate Dean with the advice of the Admissions Committee after they have reviewed completed applications. Members of the Admissions Committee are selected from faculty in multiple areas of study.

The Admissions Committee places emphasis on:

- Evidence of intellectual competence as shown by academic achievement and other accomplishments. Therefore, the committee requires official grade transcripts, a standardized test (GMAT/GRE), and letters of recommendation.

- Motivation for pursuing the MBA degree which information should be contained in the applicant’s essay portion of the application, the letters of recommendation and, optionally, a personal interview. Accordingly, information about past work achievements, work experience, and future goals should be contained in the documentation provided, although work experience is not a prerequisite to admission.

- Evidence of leadership capability which has been exhibited in college, in the community, and in the workplace. The applicant’s potential to become a leader in business, government, or other enterprise is a factor in the admission process.

Students are admitted for enrollment in August, January, and May of each year for on campus courses. Students applying to the Online MBA Program may also be admitted in October, March, and June. Applicants should submit their complete application package as far in advance as possible of the following deadlines:

(Application Deadline Table)

International students seeking visas are strongly encouraged to submit their application materials at least one month earlier than the above-published deadlines.

Matriculated Students

Students who have met all entrance requirements and are enrolled in the MBA program are classified as matriculated students.

Probationary Students

Students who have academic deficiencies in their records and/or low GMAT or GRE scores but who otherwise show promise of being able to

Retention Policies

Grading, Probation, Dismissal, and Failure

The grading system in effect at Saint Joseph’s University will apply to courses in the MBA Program. As per University guidelines for graduate study, a student enrolled in the MBA Program who receives a single grade of C or below for three (3) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so notified in writing by the Program Director. Students who receive a grade of C or below for nine (9) credit hours will be dismissed from the program.

Graduate students must fulfill all credit hour requirements for the MBA degree. Each candidate for graduation must have at least a 3.0 cumulative GPA, no more than two grades below a C, and no F grades outstanding in order to be certified for graduation. The student, with support from the Program Director and Student Records Offices, is responsible for monitoring their own academic progress throughout the course of the program.

Probationary Students

Students who have academic deficiencies in their records and/or low GMAT or GRE scores but who otherwise show promise of being able to
Students to complete their second year clinical didactic courses over a two-year period.

Joseph's University. The flexible PCOM medical curriculum allows students to pursue uninterrupted medical education at PCOM while also completing the MBA course requirements at Saint Joseph's University. The joint degree program allows PCOM students to complete their second year clinical didactic courses over a two-year period.

Visiting Students

Students in good standing in a graduate program at another accredited educational institution may take graduate courses on a visiting student basis if they provide a letter from the head of the graduate program of their degree-granting school stating that they are in good standing and that the institution will accept the course for credit. Visiting students must complete a graduate school application and pay the appropriate fee.

Graduate Business Student Association

The Graduate Business Student Association is a student-run organization which promotes fellowship among Graduate Business students and serves as a communication link between faculty and students. The Association furnishes students with an opportunity to network among their peers and make business contacts. Activities sponsored by the Graduate Business Student Association are both academic and social in nature, broadening the scope of the Saint Joseph's Graduate Business experience.

MBA Program Inquiries:

Graduate Business Office
280 Mandeville Hall
Saint Joseph's University
5600 City Avenue
Philadelphia, PA 19131-1395
Phone: (610) 660-1690
Fax: (610) 660-1599
E-Mail: sjumba@sju.edu
Internet: http://sju.edu/haubmba

Joint DO/MBA Program in Health and Medical Services Administration

In cooperation with the Philadelphia College of Osteopathic Medicine, Saint Joseph's University offers an opportunity for PCOM students to qualify for the degrees of MBA and DO in a total of five years. This joint degree offers future physicians the opportunity to gain the business management expertise needed to complement their medical training to successfully run a private practice or manage in a health-care setting, by earning DO and MBA degrees concurrently.

This five-year joint degree program allows PCOM students to complete both the DO and MBA degrees with only one additional year of study. As a five-year track, the DO/MBA program represents a cooperative agreement in which a number of standard premedical courses and PCOM courses are accepted for credit or waived by the University.

A major feature is the ability to pursue uninterrupted medical education at PCOM while also completing the MBA course requirements at Saint Joseph's University. The flexible PCOM medical curriculum allows students to complete their second year clinical didactic courses over a two-year period.

Upon completion of the standard first year at PCOM and acceptance into the joint degree program, students begin business studies in the Saint Joseph's University summer session. The following fall and spring semesters, the medical course-load is reduced to half-time while two evening business courses are completed each semester in the MBA program. This schedule is repeated the next summer and subsequent fall and spring semesters, during which the PCOM sophomore year and all remaining MBA requirements are completed.

Tuition and Financial Aid for DO/MBA Students

The primary sources of financial aid, such as Federal Stafford loans, are available to students for the additional year of study. All financial aid is administered by PCOM's Office of Financial Aid. Standard PCOM financial aid procedures and forms apply to the joint degree program, and no special arrangements with lending sources are necessary.

DO/MBA Inquiries:

Dr. Robert G. Cuzzolino
Vice President for Graduate Programs and Planning
Philadelphia College of Osteopathic Medicine
Evans Hall, Office of Academic Affairs
4170 City Avenue
Philadelphia, PA 19131-1696
(215) 871-6770

Professional MBA Program Learning Goals and Objectives (Traditional and On-Line)

Leadership: Students will gain an understanding of concepts, theories, and practices of effective leadership.

Stakeholder Value/Functional: Students will demonstrate understanding of the concept of value and the role of the different business functional areas as they apply to company stakeholders including owners, employees, customers, local communities, interest groups and society as a whole; students will exhibit an understanding of the concepts of value creation and measurement for different stakeholders.

Problem Solving/Critical Thinking: To develop critical thinking skills, that is, the process of conceptualizing, applying, analyzing, synthesizing, and/or evaluating information as the basis for solving problems and making decisions.

Interpersonal/Communication skills: To enhance the interpersonal skills needed for success within organizations, including an understanding of self and others, and to build productive teams. Students will demonstrate the ability to correspond effectively and persuasively in a business format, communicate effectively with individuals and within teams, and present to both individuals and groups clearly and persuasively.
### Ignatian Values:
An appreciation for and ability to apply the Ignatian values of: a commitment to rigorous education and lifelong learning; an insistence upon ethical decision making; a desire for social justice; and a care and concern for others.

### Global/Diversity:
Students will have a basic knowledge of world geography; and understand major economic, political and cultural differences and influences in different regions of the world: U.S./North America, Central and South America, Africa, Western Europe, Eastern Europe and Russia, and the regions of Asia and the Pacific Rim. A fuller understanding of and respect for diversity in the population and in organizations related to differences across cultures, ethnic groups, socioeconomic groups, gender and sexual orientation.

Taking into account the rapid speed of change that characterizes the twenty-first century, the faculty of Saint Joseph’s University in consultation with its corporate stakeholders have developed courses with both on-campus and online models with opportunities for creative thinking, application of technology, and new and different ways to approach the future.

### Characteristics of the MBA curriculum include:
- Focus on corporate social responsibility, business ethics, infusion of cross-functional topics, and flexibility
- Cutting edge, current, and relevant research
- Leadership development
- Focus on developing excellent oral, written, and team communication skills

### Curriculum
The M.B.A. curriculum consists of 53 credits which are distributed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Foundation Courses</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Gateway Courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Core Courses</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Concentration</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Cross-functional Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

The Foundation Courses cover the common body of knowledge required of all students studying for an advanced degree in business.

The Gateway Courses provide a basis for subsequent courses and include 3 credits of business ethics.

The Core Courses provide additional breadth and coverage of the common body of knowledge across disciplines.

The Concentration Courses allow the development of expertise in a specific area of interest within our MBA Program. Students also have the opportunity to study toward a second concentration with the addition of 9 credits.

The Cross-Functional Capstone Course is the capstone of the MBA curriculum and draws together the theory and administrative practices studied in the various fields of business.

### Foundation Courses
The Foundation courses are designed to ensure that all students in the program have the common body of knowledge necessary for advanced study in business. The following Foundation courses are required (each is 3 credits):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 500</td>
<td>Acc, Bus Anlyss and Fin Report</td>
<td>3</td>
</tr>
<tr>
<td>DSS 525</td>
<td>Contemporary Info Technologies</td>
<td>3</td>
</tr>
<tr>
<td>FIN 500</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 503</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 500</td>
<td>Managing Work Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MKT 501</td>
<td>Marketing Concepts</td>
<td>3</td>
</tr>
</tbody>
</table>

Those students who do not have a proficiency in Mathematics will also be required to successfully complete DSS 500, a one credit math workshop.

All students will be required to register for DSS 510, a one credit Statistics Proficiency refresher course. One of the first assignments in this course will be taking the ALEKS placement exam to measure their proficiency in statistics. Students who pass the placement exam with 80% proficiency within the allotted exam period will be waived from the DSS 510 foundation course requirement and dropped from the course without monetary penalty.

- The Admissions Committee will evaluate the undergraduate and, if applicable, graduate transcripts of every applicant in order to determine which, if any, foundation requirements have been satisfied. Waivers are determined by a combination of the courses previously taken, the grades received, and the date of these previous courses.
- Students who have taken six credits of Business Math or three credits of Calculus and have scored sufficiently in the quantitative section of the GMAT/GRE will receive a waiver for DSS 500, Math for Graduate Business Studies.
- Students who receive a grade of 80% or higher in the ALEKS Placement exam will receive a waiver for DSS 510, Statistics Proficiency unless pursuing a Business Intelligence & Analytics concentration.

Graduate Business students who have acquired competency through work experience or training may receive a waiver of a Foundation course by passing a challenge examination for the applicable course. (Please note there is no challenge exam for ACC 500 or DSS 525. Students may waive DSS 510 upon passing the ALEKS proficiency test with a score of 80% or higher.) Challenge examinations must be taken within six months after a student begins classes. The challenge examination may be taken only once for each waiver. Waivers are not granted for any Gateway, Core, Elective or Capstone course. A fee is required for each challenge exam taken. Arrangements for challenge exams should be made with the Graduate Business office.

### Gateway Courses
The MBA Gateway Course and the Business Ethics course are the first two required Core courses of the Haub School of Business MBA Curriculum and provide a basis for subsequent courses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX 545</td>
<td>Gateway Course (topics will vary semester to semester)</td>
<td></td>
</tr>
<tr>
<td>MGT 552</td>
<td>Stakeholder Theory &amp; Soc Resp</td>
<td>3</td>
</tr>
</tbody>
</table>

### Core Courses
The Core Courses are designed to provide students with the common body of advanced knowledge which provides the base for study in the
concentration areas and also to give the necessary background for future management positions. Students who have a significant background in the area of a particular, advanced Core course may substitute it with a course in that concentration. Arrangements for this substitution should be made at the Graduate Business office. The Core courses are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 550</td>
<td>Creat &amp; Meas Shareholder Value</td>
<td>3</td>
</tr>
<tr>
<td>DSS 610</td>
<td>Business Analytics for MSBI 1</td>
<td>3</td>
</tr>
<tr>
<td>or DSS 560</td>
<td>Business Analytics for MBA</td>
<td></td>
</tr>
<tr>
<td>FIN 550</td>
<td>Shareholder Value Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 551</td>
<td>Empower Human Potentl at Wrk 2</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 553</td>
<td>Excellence in Organizations</td>
<td></td>
</tr>
<tr>
<td>MKT 550</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

1 This course is available only for students pursuing a Business Intelligence & Analytics concentration and will be required in place of DSS 560.

2 Students count either MGT 551 or MGT 553 toward their degree, but not both.

**Concentration Courses**

The various concentrations within the MBA Curriculum allow students to choose an area of interest and gain a deeper knowledge of that subject. Students select three courses from those offered in the concentration chosen.

Students may choose from the following concentrations:

- Accounting,
- Business Intelligence & Analytics,
- Finance,
- Health and Medical Services Administration,
- International Business,
- International Marketing,
- Leading and
- Marketing.

In addition, a General MBA is offered for those students who desire a broader background. These students choose three elective courses from two to three different areas of concentration courses offered.

Any of the students who would like to earn two concentrations can do so by taking an additional 9 credits in a second area of expertise.

The concentration areas which are currently offered are more fully described below:

**Accounting**

This area is designed for business managers who hold positions requiring the use of accounting information. It will provide students with in-depth study in financial accounting as well as the implication of tax policy in making business decisions. The courses stress a user-based understanding of accounting.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 601</td>
<td>Tax Planning</td>
<td>3</td>
</tr>
<tr>
<td>ACC 602</td>
<td>Financial Statement Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ACC 610</td>
<td>Topics in Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

**Business Intelligence & Analytics**

Information Systems are the driving force in shaping and delivering products and services. Today, firms seek individuals who are competent with technology and also possess strong analytical skills for business decision-making. This concentration is designed for students who want to understand current information technologies and their effect on corporate decision-making and strategic planning. (Please note that students studying toward a concentration in Business Intelligence must take DSS 610 in place of DSS 560.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSS 615</td>
<td>Python Programming</td>
<td>3</td>
</tr>
<tr>
<td>DSS 620</td>
<td>Con &amp; Pract of DSS Modeling</td>
<td>3</td>
</tr>
<tr>
<td>DSS 630</td>
<td>Database Manag Theory &amp; Pract</td>
<td>3</td>
</tr>
<tr>
<td>DSS 640</td>
<td>Enterprise Data</td>
<td>3</td>
</tr>
<tr>
<td>DSS 650</td>
<td>Business Process Model &amp; Analy</td>
<td>3</td>
</tr>
<tr>
<td>DSS 660</td>
<td>Introduction to Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>DSS 665</td>
<td>R Statistical Language</td>
<td>3</td>
</tr>
<tr>
<td>DSS 670</td>
<td>Critical Perform Management</td>
<td>3</td>
</tr>
<tr>
<td>DSS 680</td>
<td>Predictive Analytics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 690</td>
<td>Special Topics Course</td>
<td>3</td>
</tr>
<tr>
<td>DSS 710</td>
<td>Six Sigma Apps &amp; Found II</td>
<td>3</td>
</tr>
<tr>
<td>DSS 720</td>
<td>Bus Analytics:Supply Chain Mgt</td>
<td>3</td>
</tr>
<tr>
<td>DSS 730</td>
<td>Web Analytics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Finance**

The finance concentration develops the financial and analytical skills necessary to fulfill the role of a financial manager or administrator in a corporate and/or financial market setting.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 600</td>
<td>Fin Institutions &amp; Capital Mkt</td>
<td>3</td>
</tr>
<tr>
<td>FIN 601</td>
<td>Personal Financial Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 602</td>
<td>Portfolio Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 604</td>
<td>Personal Insurance Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 605</td>
<td>Pensions &amp; Benefits Admin</td>
<td>3</td>
</tr>
<tr>
<td>FIN 606</td>
<td>Estate Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 607</td>
<td>Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 608</td>
<td>Advanced Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 609</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 610</td>
<td>Security Analysis &amp; Investment</td>
<td>3</td>
</tr>
<tr>
<td>FIN 611</td>
<td>Mergers and Acquisitions</td>
<td>3</td>
</tr>
<tr>
<td>FIN 612</td>
<td>Derivative Markets</td>
<td>3</td>
</tr>
<tr>
<td>FIN 770</td>
<td>Special Topics in Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

**General M.B.A.**

The General M.B.A. area is designed for students seeking the broadest type of business education. Students choosing this area may select any three 560 or above level courses, provided that they have fulfilled course prerequisites and the courses are not part of the foundation or core.
Health and Medical Services Administration
The health and medical services administration area is designed to prepare students and/or medical practitioners for management positions in both profit and not-for-profit health enterprises.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMK 600</td>
<td>Health Care Marketing</td>
<td>3</td>
</tr>
<tr>
<td>PMK 620</td>
<td>Supply Chain Mgt in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>PMK 640</td>
<td>Pharmacoeconomics</td>
<td>3</td>
</tr>
<tr>
<td>PMK 660</td>
<td>Coding Coverage Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>PMK 670</td>
<td>Pricing in Healthcare Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

International Business
This area provides a combination of a broad-based business education with a strong global perspective, all of which build upon the core breadth requirement. It is designed for individuals holding or desiring management positions in firms with a global focus.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 730</td>
<td>International Acc Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>FIN 609</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>IBU 661</td>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>IBU 662</td>
<td>International Business Law</td>
<td>3</td>
</tr>
<tr>
<td>IBU 663</td>
<td>Manage Intl Strategic Alliance</td>
<td>3</td>
</tr>
<tr>
<td>IBU 770</td>
<td>International Bus Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>IBU 771</td>
<td>Topics: International Business</td>
<td>3</td>
</tr>
<tr>
<td>MKT 650</td>
<td>Marketing Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>MKT 770</td>
<td>International Mktg Study Tour</td>
<td>3</td>
</tr>
</tbody>
</table>

International Marketing
This area is designed for business managers who wish to expand their understanding and skill levels in the international marketing functions of their organizations.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 604</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 612</td>
<td>Global Cultures and Consumers</td>
<td>3</td>
</tr>
<tr>
<td>MKT 613</td>
<td>International Channel Manag</td>
<td>3</td>
</tr>
<tr>
<td>MKT 614</td>
<td>International Mktg Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 616</td>
<td>Global Mktg Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 618</td>
<td>Int’l Prod Develop &amp; Brand Mgt</td>
<td>3</td>
</tr>
<tr>
<td>MKT 770</td>
<td>International Mktg Study Tour</td>
<td>3</td>
</tr>
</tbody>
</table>

Leading
The concentration in Leading invites students to develop their knowledge and skill in leadership. Students can select three Leading electives that will challenge them to learn leadership from a distinctively Saint Joseph’s perspective—leadership that is both reflective and action-oriented. The MBA with a concentration in Leading will equip students with leadership knowledge and skills that will allow them to contribute to their personal development, their organization’s well-being, and to a more just and sustainable world.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEO 655</td>
<td>Leading Change in Organization</td>
<td>3</td>
</tr>
<tr>
<td>LEO 651</td>
<td>Leading for Success in Orgs</td>
<td>3</td>
</tr>
<tr>
<td>LEO 653</td>
<td>Lead in Modern Organizations</td>
<td>3</td>
</tr>
<tr>
<td>LEO 654</td>
<td>Leading Global &amp; Virtual Teams</td>
<td>3</td>
</tr>
</tbody>
</table>

Marketing
The MBA in Marketing will help enable managers to develop results-driven strategies using the latest marketing analytics and relationship building techniques.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 602</td>
<td>Promotional Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MKT 604</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 605</td>
<td>Research in Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 606</td>
<td>Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 607</td>
<td>The Business of Sports</td>
<td>3</td>
</tr>
<tr>
<td>MKT 608</td>
<td>Marketing and Social Media</td>
<td>3</td>
</tr>
<tr>
<td>MKT 609</td>
<td>Marketing Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MKT 612</td>
<td>Global Cultures and Consumers</td>
<td>3</td>
</tr>
<tr>
<td>MKT 613</td>
<td>International Channel Manag</td>
<td>3</td>
</tr>
<tr>
<td>MKT 614</td>
<td>International Mktg Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 616</td>
<td>Global Mktg Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 618</td>
<td>Int’l Prod Develop &amp; Brand Mgt</td>
<td>3</td>
</tr>
<tr>
<td>MKT 650</td>
<td>Marketing Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>MKT 770</td>
<td>International Mktg Study Tour</td>
<td>3</td>
</tr>
</tbody>
</table>

Cross-Functional Capstone
The integrative course is designed to permit students, at the end of the course of study, to integrate the knowledge from their previous courses. All students are required to culminate their studies by taking the following course:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 789</td>
<td>Global Bus Strategy Simulation</td>
<td>3</td>
</tr>
<tr>
<td>MGT 795</td>
<td>Global Business Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

The Data Intelligent MBA® Track
The Data Intelligent MBA® track allows students to maximize the study of Business Intelligence & Analytics within the MBA curriculum. Students in this track graduate with an MBA degree, a major in Business Intelligence & Analytics, and a certification of completion of The Data Intelligent MBA® track. Coursework in Business Intelligence & Analytics is required at each level within the MBA curriculum. The following are the required courses within this track:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSS 500</td>
<td>Math for Grad Business Studies</td>
<td>1</td>
</tr>
<tr>
<td>DSS 510</td>
<td>Statistics Proficiency</td>
<td>1</td>
</tr>
</tbody>
</table>

Gateway Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSS 545</td>
<td>Big Data &amp; Analytics</td>
<td>3</td>
</tr>
</tbody>
</table>

Core Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSS 610</td>
<td>Business Analytics for MSBI</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Course
Select three from one of the following tracks:

Data Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>DSS 630</td>
<td>Database Manag Theory &amp; Pract</td>
<td></td>
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<tr>
<td>DSS 640</td>
<td>Enterprise Data</td>
<td></td>
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</tbody>
</table>
Post-M.B.A. Certificate

Students who have received an MBA degree can earn a Post-MBA certificate in an additional concentration by successfully completing four courses in one of the following areas:

- Business Intelligence & Analytics,
- Finance,
- Financial Analysis and Reporting,
- Health and Medical Services,
- International Business,
- International Marketing,
- Leading or
- Marketing.

Order of Taking Courses

Students should take their Foundation Courses at the beginning of their MBA studies. An MBA Gateway Course and the Business Ethics Course (MGT 552) are the first two required courses of the Haub School of Business MBA curriculum and provide a basis for subsequent courses. (No more than three Gateway or Core Courses may be taken before the foundation core requirements have been completed.) Students have six years to complete their MBA degrees, beginning when they take their first 545 or above level course. Students who have decided on their concentration area are advised to take the Core Course related to their concentration so that they are eligible to begin taking their electives. An elective is any 560 or above level course that is open to MBA students and not already part of the required MBA curriculum. Concentration courses are offered on a cyclical basis. The integrative Capstone Course is normally taken as the last course; or, in some cases, as the next to last course.

Registration/Selection of Courses

MBA students obtain the course schedule from the web and register online. Students are encouraged to consult with the Graduate Business Office before registration if they have questions regarding course selection.

Students are reminded that they are responsible for successfully completing the courses necessary for graduation, including all Foundation Courses stipulated by the Admissions Committee in their admission letter. Taking an upper level course out of sequence and obtaining a satisfactory grade will not eliminate the need to fulfill Foundation Requirements. Students who register for a course without having taken the proper prerequisite course will be dropped from the course and withdrawal penalties will be applied, including but not limited to the denial of a full tuition refund.

Academic Advising

Students who would like to discuss their course of study and/or who have questions on prerequisite courses or degree requirements should call the MBA office for an appointment. An Academic Advisor is available by appointment Mondays through Fridays. The telephone number is (610) 660-1690. Students are also encouraged to send their questions by email to sjumba@sju.edu.

Pre MBA Business Certificate

The Pre-MBA Program curriculum consists of 20 credits and 8 courses, as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACC 500</td>
<td>Acc, Bus Anlyss and Fin Report</td>
<td>3</td>
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<tr>
<td>DSS 525</td>
<td>Contemporary Info Technologies</td>
<td>3</td>
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<tr>
<td>DSS 500</td>
<td>Math for Grad Business Studies</td>
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<tr>
<td>DSS 510</td>
<td>Statistics Proficiency</td>
<td>1</td>
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<td>FIN 500</td>
<td>Managerial Economics</td>
<td>3</td>
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<td>FIN 503</td>
<td>Financial Management</td>
<td>3</td>
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<tr>
<td>MGT 500</td>
<td>Managing Work Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MKT 501</td>
<td>Marketing Concepts</td>
<td>3</td>
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</table>
DECISION AND SYSTEM SCIENCES [BUSINESS INTELLIGENCE & ANALYTICS PROGRAMS – BIA]

Professor: Rashmi Malhotra, Ph.D.; Richard Herschel, Ph.D.
Associate: John C. Yi, Ph.D.; Ronald K. Klimberg, Ph.D.; Vipul K. Gupta, Ph.D.;
Virginia M. Miori, Ph.D.
Assistant: Iljoo Kim, Ph.D.; Kathleen Campbell Garwood; Ruben A. Mendoza, Ph.D.
Visiting: H. David Chen

Undergraduate

- Business Analytics & Intelligence (p. 489)

Undergraduate Minors

- Business Analytics & Intelligence (p. 492)

Graduate

- Master of Science in Business Intelligence and Analytics (p. 490)

Adult Undergraduate

- Business Intelligence & Analytics (p. 489)

DSS N001 Non-Credit - Begin Comp Skills (1 credit)
DSS N002 Non-Credit - Using the Web (1 credit)
DSS 100 Excel Competency (0 credits)
DSS 111 Basic Business Analytics (1 credit)
DSS 150 Freshman Seminar (3 credits)
First Year Seminars will have varying topics.
Attributes: First-Year Seminar, Undergraduate

DSS 200 Intro to Information Systems (3 credits)
Information systems play a critical operational, tactical and strategic role in global businesses. Technology has both a direct and indirect impact on how firms do business, where they do business, and on the products and services they market. In this course, the dynamic and ongoing impact of technology on business operations is examined at the industry, corporate, and individual levels. Topics examined include the effect of technology on business processes, services, and products, the supply chain, customer relationship management, decision-making, knowledge management, communications, outsourcing, information security, and the ethical use of technology.
Attributes: Undergraduate

DSS 210 Business Statistics (3 credits)
This course covers probability concepts as well as descriptive and inferential statistics. The emphasis is on practical skills for a business environment. Topics include probability distributions, estimation, one-sample and two-sample hypothesis testing, inferences about population variances, and chi-square test of independence. Students will also become familiar with spreadsheet applications related to statistics and with statistical software. Prerequisite: Math Beauty Course
Attributes: Undergraduate

DSS 220 Business Analytics (3 credits)
Every organization, must manage a variety of processes. In this course the student will develop an understanding of how to evaluate a business process. Additionally, the art of modeling, the process of structuring and analyzing problems so as to develop a rational course of action, will be discussed. The course integrates advanced topics in business statistics—linear and multiple regression and forecasting, production and operations management—linear programming and simulation, and project management. Excel software is used for problem solving. Prerequisite: DSS 210.
Prerequisites: DSS 1311 or DSS 210 or DSS 1315 or QMB 1311 or DSS 1313 or QMB 1315 or MAT 1181 or MAT 118 or FIN 1311 or FIN 1315 or PSY 2021 or PSY 210 or PSY 2025 or PSY 211 or MAT 1281 or IHS 2311
Attributes: Undergraduate

DSS 315 BIA Concepts & Practices (3 credits)
This course is an introduction to various scientific viewpoints on the decision-making process. Viewpoints covered include cognitive psychology of human problem-solving, judgment and choice, theories of rational judgment and decision, and the mathematical theory of games, and these topics will be focused in the field of Business Intelligence and Analytics, with systems theory as an overarching theme. Latest academic research and industry practice will be presented by guest speakers to motivate the topic and enhance learning.
Prerequisites: DSS 210 and DSS 200
Attributes: Undergraduate

DSS 330 Database Management (3 credits)
The course provides an in-depth understanding of the database environment. Besides covering the important process of database design, this course comprehensively covers the important aspects of relational modeling including SQL and QBE. Students will be required to design and develop a database application using a modern fourth generation language system. Prerequisite: DSS 220 or Actuarial Science Major.
Prerequisites: (DSS 1011 or DSS 1015 or DSS 200 or CSC 120)
Attributes: (DSS 1011 or DSS 1015 or DSS 200 or CSC 120)
Attributes: Undergraduate

DSS 420 Introduction to Data Mining (3 credits)
This course focuses on the application of decision-making tools used to develop relationships in large quantities of data for more than two-variables. Comprehension of when to use, how to apply, and how to evaluate each methodology will be developed. This course will additionally provide an introduction to data mining tools. Data Mining consists of several analytical tools, such as neural networks, decision trees, evolutionary programming, genetic algorithms, and decision trees, used to extract knowledge hidden in large volumes of data. An understanding of how these data mining tools function will be developed so as to provide insight into how to apply these tools. Statistical and data mining software will be used. Prerequisite: DSS 220.
Prerequisites: (DSS 2011 or DSS 2015 or DSS 220 or HON 2723 or CSC 1401 or CSC 1405 and DSS 2311 or DSS 2315) or DSS 330
Attributes: Undergraduate
DSS 425 Analytics Cup (3 credits)
The Analytics Cup course is an annual competition in which teams will solve a real-world problem situation utilizing their Business Intelligence (BI) and/or Business Analytics (BA) skills. During the course, all the students will learn about new BI and BA techniques and software, such as Trade Promotion Optimization (TPO), text analytics, and optimization. Each team will dig deeper into the application of one or more these software packages to solve their real-world problem situation. The competition culminates where each team presents their solution to a panel of judges who select the SJU Analytics Cup Champions. Students must be either a DSS major or minor. Class size is limited to 30 students. Prerequisite: DSS 420
Prerequisites: DSS 420
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Business Intelligence. Analytics.

DSS 435 Advanced Business Analytics (3 credits)
This course extends several of the foundation Business Analytics topics from DSS 220 to address more complex problem solving situations. Techniques to be covered are optimization models (linear programming, integer programming, non-linear programming and others), simulation models, optimization/simulation models, and decision analysis. These techniques will all be presented in the context of real world problems. To improve the students’ ability to develop such models, fundamental problem solving skills of modeling and process analysis will be developed. Prerequisite: DSS 220
Prerequisites: DSS 220
Attributes: Undergraduate

DSS 440 Six Sigma Apps & Foundations (3 credits)

DSS 460 Geographic Information Systems (3 credits)
This course introduces students to Geographic Information Systems and Science (GIS) - a rapidly growing field concerned with examination, description, analysis, management, visualization, and mapping of geographic data. Topics covered include map design, geographic and projected coordinate systems, spatial data structures and models, spatial analysis, and more. Students will learn fundamental GIS techniques for spatial analysis using ESRI's ArcGIS software package. The course is computer-intensive though no computer programming background is required.

DSS 470 DSS Special Topics (3 credits)
Content of this course varies to allow for ongoing changes to business intelligence and related fields. The instructor will provide the course description for a given semester. Students may take this course without having taken DSS 220.
Prerequisites: (DSS 1011 or DSS 1015 or DSS 200 or HON 1713)
Attributes: Undergraduate

DSS 471 DSS Special Topics II (3 credits)
Content of this course varies to allow for ongoing changes to business intelligence and related fields. The instructor will provide the course description for a given semester. Students may take this course without having taken DSS 220.
Attributes: Undergraduate

DSS 490 Internship I (3 credits)
DSS 491 Internship II (3 credits)
DSS 492 Internship II (3 credits)
DSS 493 Independent Study I (3 credits)
DSS 494 Independent Study II (3 credits)
DSS 500 Math for Grad Business Studies (1 credit)
Various mathematical concepts are explored in reference to making business decisions. Topics include methods to solve systems of linear equations, matrix operations, and derivatives. A review of basic algebraic concepts such as quadratic formula, scientific notation, and graphing techniques is also covered.
Restrictions: Enrollment is limited to Graduate level students.

DSS 505 Business Stat with Excel (3 credits)

DSS 509 Curricular Practical Training (1 credit)

DSS 510 Statistics Proficiency (1 credit)
This course will include all of the content usually found in a business statistics course. This includes probability, probability distributions, confidence intervals, hypothesis testing, ANOVA, Chi Square, and Linear Regression. The course will be conducted through the use of ALEKS online learning software and will also meet virtually each week. The software allows students to obtain credit for concepts, which they already know and then provides learning tools to complete the remainder of the course. Students may waive this course by achieving a minimum score of 80% on the proficiency exam. Prerequisite: DSS 500
Prerequisites: HSB Waiver with a score of DS500 or DSS 500
Restrictions: Enrollment is limited to Graduate level students. Enrollment limited to students in the Haub School of Business college.

DSS 525 Contemporary Info Technologies (3 credits)
This course will examine fundamentals of information systems and explore selected issues in depth. In-depth topics may include systems analysis and database, ecommerce, software development, management of information systems, self-service systems, 1-iRIS, etc.
Restrictions: Enrollment is limited to Graduate level students.

DSS 545 Big Data & Analytics (3 credits)
From the simplest dashboard to the big data driven advanced analytics embedded in company’s processes, including ones with direct interaction with customers, Analytics should be a critical aspect of every business. This course provides an overview of what Analytics is and the why of Analytics integration into company’s strategy plans and initiatives from the perspective of the C-Suite.
Restrictions: Enrollment is limited to Graduate level students.

DSS 550 Contemporary Info Systems (3 credits)
DSS 560 Business Analytics for MBA (3 credits)
This course will focus on the modeling process of identifying, analyzing, interpreting, and presenting results, so as to transfer the data into decisions, will be examined. The statistical basis for decision-making will be reviewed. Descriptive statistics, confidence intervals, and hypothesis are covered with an emphasis on analyzing and interpreting results using Excel. Students will learn to utilize advanced managerial decision-making tools, such as optimization and stimulation, to analyze complex business problems, and arrive at a rational solution. For each of the analysis techniques, the methodology will be developed and applied in a real business context. Cases of increasing complexity will be used to emphasize problem description, definition, and formulation. Perequisite: DSS 510
Prerequisites: DSS 510 or HSB Waiver with a score of DSS10
Restrictions: Enrollment is limited to Graduate level students.
DSS 571 Sales Forecasting (2 credits)
DSS 572 Business Statistics (2 credits)
DSS 573 Contemp Info Technologies (2 credits)
DSS 581 Business Statistics (2 credits)
This course is designed to help students develop skills in applying quantitative techniques in solving business problems and decisions. Topics include descriptive statistics, statistical inference, and regression and correlation analysis. Students will use the tools from the DSS Tools and Concepts module and build upon them to solve more complex and realistic problems.

DSS 582 Research Skills (2 credits)
This course is designed to help students develop a working knowledge of the business research process. Topics include proposal development, research design, survey design, collection and analysis of data, and presenting results. Practice is provided in carrying out a practical research project of limited scope. This course will provide an application of some of the concepts in the Business Statistics course.

DSS 583 Decision Making Techniques (2 credits)
This course continues the DSS module with the examination of more advanced decision models used in management science for solving complex business problems. It will provide an appreciation of the wide range and complexity of decisions faced by managers in the different functional areas. Topics covered will include the art of modeling, aggregate planning, and decision making under uncertainty and risk. This module will also cover the concepts and tools of forecasting, simulation, Data Mining (in conjunction with the Business Intelligence Module) for support of Customer Relationship Management (CRM) and business analysis.

DSS 584 Business Intelligence (1 credit)

DSS 585 Big Data (2 credits)

DSS 591 Data Analytics (2 credits)
The overall purpose of this course is to provide an introduction to the basic concepts of inferential statistics, which are important tools to support data-driven decision-making. Your ability to identify situations where these techniques may be effectively applied and to appreciate their potentials as well as their limitations to solving complex business problems will be developed. The methodology of each technique will be developed and applied in a real business context. Problems of increasing complexity will be used to emphasize problem description and definition. Emphasis will be placed on the interpretation and implementation of computer-generated results using Excel.
Restrictions: Enrollment is limited to Graduate level students.

DSS 592 Business Statistics (2 credits)
This course presents a fundamental review of the impact of information technology on the entire food industry, laying the groundwork for more in-depth study. A focus on utilizing technology strategically for competitive advantage will be the theme. The material covers the key concepts utilized to support the food supply chain, such as data synchronization, paperless transactions via EDI, scan based trading, and electronic funds transfer.
Restrictions: Enrollment is limited to Graduate level students.

DSS 593 Sales Forecasting (2 credits)
This course is a comprehensive survey of the commonly used techniques in sales forecasting. Three major categories of forecasting approaches will be presented. These include quantitative methods, time series and correlation techniques. Shortcuts, rules of thumb, and things to avoid will be discussed. Case studies will be presented, and students will be expected to do forecasting on simulated data sets. Prerequisite: DSS 591
Prerequisites: MPE 7501 or DSS 592 or MPE 7810
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

DSS 594 Data Analytics (2 credits)
This course provides the student with a fundamental understanding of the potential and implementation of business analytics/business intelligence into an organization. To demonstrate this opportunity a few data analytics techniques are examined, so as to provide some insight into how these tools maybe used to analyze complex business problems and arrive at a rational solution.
Prerequisites: DSS 592
Restrictions: Enrollment is limited to Graduate level students.

DSS 600 Found for Bus Intelligence (3 credits)
This course is designed to help students develop a working knowledge of the basic concepts of inferential statistics, which are important tools to support data-driven decision-making. Your ability to identify situations where these techniques may be effectively applied and to appreciate their potentials as well as their limitations to solving complex business problems will be developed. The methodology of each technique will be developed and applied in a real business context. Problems of increasing complexity will be used to emphasize problem description and definition. Emphasis will be placed on the interpretation and implementation of computer-generated results using Excel.
Restrictions: Enrollment is limited to Graduate level students.

DSS 600 Found for Bus Intelligence (3 credits)
This course is designed to help students develop a working knowledge of the basic concepts of inferential statistics, which are important tools to support data-driven decision-making. Your ability to identify situations where these techniques may be effectively applied and to appreciate their potentials as well as their limitations to solving complex business problems will be developed. The methodology of each technique will be developed and applied in a real business context. Problems of increasing complexity will be used to emphasize problem description and definition. Emphasis will be placed on the interpretation and implementation of computer-generated results using Excel.
Restrictions: Enrollment is limited to Graduate level students.

DSS 600 Found for Bus Intelligence (3 credits)
This course is designed to help students develop a working knowledge of the basic concepts of inferential statistics, which are important tools to support data-driven decision-making. Your ability to identify situations where these techniques may be effectively applied and to appreciate their potentials as well as their limitations to solving complex business problems will be developed. The methodology of each technique will be developed and applied in a real business context. Problems of increasing complexity will be used to emphasize problem description and definition. Emphasis will be placed on the interpretation and implementation of computer-generated results using Excel.
Restrictions: Enrollment is limited to Graduate level students.

DSS 610 Business Analytics for MSBI (3 credits)
The aim of this course is to provide the student with an understanding of several management science techniques and to provide some insight into how these tools may be used to analyze complex business problems and arrive at a rational solution. The techniques to be studied are forecasting, linear planning, simulation, and modeling. Cases of increasing complexity will be used to emphasize problem description, definition, and formulation. The computer will be used extensively throughout the course, primarily by using available programs to perform the calculations after the problem has been correctly formulated.
Restrictions: Enrollment is limited to Graduate level students.

DSS 615 Python Programming (3 credits)
DSS 615: Python is an open source programming language that focuses on readability, coherence and software quality. It boosts developer productivity beyond compiled or statically typed languages and is portable to all major computing platforms. This course is designed as an introduction to python programming and the characteristics that make it unique. Student will learn the use of the python interpreter, how to run programs, python object types, python numeric types, dynamic typing, string fundamentals, lists and dictionaries, and tuples and files.
Prerequisites: DSS 600, DSS 610
Restrictions: Enrollment is limited to Graduate level students.
DSS 620 Con & Pract of DSS Modeling (3 credits)
Building on the background of previous courses, this course will extend the use of spreadsheet modeling and programming capabilities to explore decision models for planning and operations using statistical, mathematical, and simulation tools. Prerequisite: DSS 600, DSS 610 or permission of the Program Director.
Prerequisites: DSS 4415 or DSS 600 or MBA 4415 and DSS 4715 or DSS 610 or MBA 4715
Restrictions: Enrollment is limited to graduate level students.

DSS 630 Database Manag Theory & Pract (3 credits)
Business Intelligence rests on the foundation of data storage and retrieval. In this course, students will be presented with the theory of operational database design and implementation. The concepts of normalization, database queries and database application development will be introduced using contemporary tools and software for program development. Prerequisites: DSS 600, DSS 610, DSS 620, and/or permission of the Program Director.
Prerequisites: DSS 4415 or DSS 600 or MBA 4415 and DSS 4715 or DSS 610 or MBA 4715
Restrictions: Enrollment is limited to graduate level students.

DSS 640 Enterprise Data (3 credits)
Traditional database design concentrates on the functional areas of business and their database needs. At the strategic and value chain levels, we look at data across the enterprise and over time. The issues of Enterprise Data in the Data Warehouse, Data Marts, Enterprise Resource Planning (ERP), Supply Chain Management (SCM), Customer Relationship Management (CRM), Online Analytical Processing (OLAP), and the concepts of Data Mining will be surveyed in this course. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, and/or permission of the Program Director.
Prerequisites: DSS 600 and DSS 610 and DSS 630
Restrictions: Enrollment is limited to graduate level students.

DSS 650 Business Process Model & Analy (3 credits)
Using the case study approach in combination with contemporary software tools, students will apply the concepts of business process analysis and design, quality control and improvement, performance monitoring through performance dashboards, and balanced scorecards and process simulation. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640 and/or permission of the Program Director.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to graduate level students.

DSS 660 Introduction to Data Mining (3 credits)
This course in the Business Intelligence Program will extend the concepts of data mining to an exploration of a contemporary Data Mining toolset on a large live data set. In this course, students will be encouraged to find the patterns in the data and to prepare reports and presentations describing the implications of their findings. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640, DSS 650 and/or permission of the Program Director.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to graduate level students.

DSS 665 R Statistical Language (3 credits)
DSS 665: The goal of this course will be to use R’s command line interface (CLI) to build familiarity with the basic R toolkit for statistical analysis and graphics. Specifically, students will learn good programming practices to manage and manipulate data, become familiar with some of R’s most commonly used statistical procedures, and apply knowledge of data mining techniques (Multivariate Statistics, Regression, ANOVA, Cluster Analysis, Logistic Regression) for complex data sets using R. Prerequisite: DSS 600, DSS 610, DSS 660
Prerequisites: DSS 660 and DSS 610 and DSS 660
Restrictions: Enrollment is limited to graduate level students.

DSS 670 Critical Perform Management (3 credits)
This course integrates the concepts of decision support, database management, critical performance measurement, and key performance indicators through the practical application development of performance dashboards. When completed, students will be able to design department level, user-oriented applications that capture data from transaction processing systems and present that data for business users in decision-compelling format. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640, DSS 650, DSS 660 and/or Permission of the Program Director.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to graduate level students.

DSS 680 Predictive Analytics (3 credits)
This course extends the data mining process to the predictive modeling, model assessment, scoring, and implementation stages. In this course, professional data mining software and small and large data sets will be used to effectively analyze and communicate statistical patterns in underlying business data for strategic management decision making. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640, DSS 650, DSS 660, DSS 670 and/or Permission of the Program Director.
Prerequisites: DSS 600 or HSB Waiver with a score of DS600 and DSS 610 or HSB Waiver with a score of DS610 and DSS 660 or HSB Waiver with a score of DS660
Restrictions: Enrollment is limited to graduate level students.

DSS 690 Special Topics Course (3 credits)
Content of this course varies to allow for ongoing changes to business intelligence and related fields. The instructor will provide the course description for a given semester.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to graduate level students.

DSS 700 Six Sigma Apps & Found I (3 credits)
This course is the first of a two course sequence that prepares the student for the Six Sigma Green Belt certification examination. Topics include introduction of Six Sigma and its vocabulary, review of business statistics focusing on hypothesis testing and multiple regression, experimental design and Analysis of Variance, statistical process control, analytic hierarchy process, discrete event simulation and other tools of Six Sigma. This course includes roughly half of the material covered on the Green Belt certification exam.
Restrictions: Enrollment is limited to graduate level students.

DSS 710 Six Sigma Apps & Found II (3 credits)
This course is the second of a two course sequence that prepares the student for the Six Sigma Green Belt certification examination. Topics include the Six Sigma dashboard and related models (DMAIC, DMADV, DFSS: QFD, DFMEA, and PFMEA), selecting and managing projects, organizational goals, lean concepts, process management and capability, and team dynamics and performance. This course includes the remaining material covered on the Six Sigma Green Belt certification exam.
Restrictions: Enrollment is limited to graduate level students.
DSS 720 Bus Analytics: Supply Chain Mgt (3 credits)
Management of supply chains is critical to the success and profitability of all businesses, whether manufacturing or service companies. This course examines supply chains and the business analytic tools which are most effective in developing supply chain efficiencies and supply chain value. Topics include supply chain strategy, network and system design, operations management, sourcing, logistics, forecasting, inventory management, relationship management and sustainable supply chain management.
Restrictions: Enrollment is limited to Graduate level students.

DSS 730 Web Analytics (3 credits)
This course will explore the basics of web analytics, review web analytic tools (such as Google Analytics, etc.), study the methodologies of analyzing websites, and learn to use web analytics to guide marketing strategies on the web.
Restrictions: Enrollment is limited to Graduate level students.

DSS 770 Special Topics (3 credits)

B.B.A. in Business Intelligence & Analytics

HDC General Education Program (GEP) Requirement
(See Curricula (p. 464).)

<table>
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<tr>
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<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
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<td>XXX 104: Adult Student Seminar Selection</td>
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<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
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<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
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<tr>
<td>Language GEP course</td>
<td>6</td>
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<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
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<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
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<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
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<td>Philosophical Anthropology course</td>
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<td>ECN 101</td>
<td>Introductory Economics Micro</td>
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<td>Natural Science GEP course</td>
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<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad or THE 221</td>
<td>3</td>
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<tr>
<td>Theology: Religious Difference course</td>
<td>3</td>
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<td>Faith and Reason course</td>
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<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
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<tr>
<td>Additional course from approved list</td>
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1 List of approved courses varies by major.

Business Foundation Requirement

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<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
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Business Intelligence & Analytics Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>DSS 315</td>
<td>BIA Concepts &amp; Practices</td>
<td>3</td>
</tr>
<tr>
<td>DSS 330</td>
<td>Database Management</td>
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<tr>
<td>DSS 420</td>
<td>Introduction to Data Mining</td>
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<tr>
<td>DSS 435</td>
<td>Advanced Business Analytics</td>
<td>3</td>
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<tr>
<td>DSS XXX: Choose 2 DSS Upper Level Elective of Choice</td>
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</tbody>
</table>

Note: Business Intelligence majors require two ILC courses and have a total of 6 additional free electives.

Business Analytics & Intelligence Major

Learning Goals: Business Analytics & Intelligence Major

Goal 1: Students will be competent in the functional BI&A skills necessary for transforming data into actionable knowledge to enhance strategic business decisions.

Goal 2: Students will be competent in thinking critically and analytically in all business situations.

Goal 3: BI&A Students will be competent communicators in the BI&A environment.

Goal 4: BI&A Students will be competent in applying the Ignatian Values.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses
### General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 119</td>
<td>Applied Business Calculus</td>
<td>4</td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one from the following departments: 3

**Political Science**
- POL 111 | Intro to American Politics
- POL 113 | Intro to Comparative Politics
- POL 115 | Introduction to Global Politics
- POL 302 | Democratic Theory
- POL 303 | American Political Thought
- POL 315 | Government and Business
- POL 352 | Global Political Economy

**Psychology**
- PSY 100 | Introductory Psychology
- PSY 123 | Psychology of Men and Women
- PSY 212 | Multicultural Psychology
- PSY 230 | Social Psychology
- PSY 235 | Psychology of Gender

**English**
- ENG 263 | Writing for Organizations

### Requirements for the Business Intelligence & Analytics [BIA] Major

**Business Foundation**
Ten courses, including

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
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</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
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</tbody>
</table>

**Major Concentration**
Six courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSS 315</td>
<td>BIA Concepts &amp; Practices</td>
<td>3</td>
</tr>
<tr>
<td>DSS 330</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>DSS 420</td>
<td>Introduction to Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>DSS 435</td>
<td>Advanced Business Analytics</td>
<td>3</td>
</tr>
</tbody>
</table>

### Master of Science in Business Intelligence & Analytics

**Erivan K. Haub School of Business**

**Richard Herschel, Ph.D., Chair, Decision and System Sciences**
**Jeanine Lajeunesse, M.B.A., Director**
**Nicole Clements Ph.D. Academic Coordinator**
**Kate Sonstein, M.B.A – Program Manager/Recruiter**
**Lauren DiNuzzo - Program Administrator, Student Support**

**Mission**
In the contemporary enterprise, the understanding of information systems, processes, and organizational knowledge is critical to success. The successful twenty-first century decision-maker will use this information for competitive advantage and for enterprise growth. The objective of the Master of Science in Business Intelligence & Analytics Program (MSBIA) in the Haub School of Business at Saint Joseph’s University is to provide the student with an enhanced foundation in both information technology and quantitative decision-making tools.

### Admission Requirements and Procedures

In setting the admissions criteria for the MSBIA Program, the intent is to accept only those students who have a high probability of successfully completing the program in Business Intelligence at Saint Joseph’s University.

**Criteria**
- A completed application form
- Non-refundable $35 application fee
- Official transcripts indicating receipt of a baccalaureate degree from an accredited college or university.
- Official GMAT or GRE scores taken within five years of application.
- Waivers are available for certain master’s degrees and professional certifications. Contact the Program Director for further details.
- Two (2) letters of recommendation from former professors and/or employers
- A written statement of academic or career goals
Retention Processes and Policies

Statistics Proficiency

All students in the MSBIA Program must demonstrate proficiency in statistics prior to the start of their second course in the program. Students with strong statistical background may apply for a waiver, otherwise the proficiency is achieved through an online learning module (ALEKS). Students must complete 100% of this module before their second course. Further details can be obtained from the MSBIA Program Director or Academic Coordinator.

Grading, Probation, Dismissal, and Failure

The grading system in effect at Saint Joseph's University will apply to courses in the Master of Science Program. As per University guidelines for graduate study, a student enrolled in a Master of Science program who receives a single grade of C or below for three (3) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so notified in writing. Students who receive a grade of C or below for nine (9) credit hours will be dismissed from the program.

Graduate students must fulfill all credit hour requirements for the Master of Science degree. Each candidate for graduation must have at least a 3.0 cumulative GPA, no more than two grades of C, and no F grades outstanding in order to be certified for graduation. The student, with support from the Program Director and Student Records Offices, is responsible for monitoring their own academic progress throughout the course of the program.

Retention Processes and Policies

Students enrolled in the M.S. in Business Intelligence & Analytics Program have six years to complete their M.S. degree from Saint Joseph’s University. This six-year limit begins with the student’s first core course. Extensions beyond this limit may be made only with the approval of the Program Director, and only for unusual and serious circumstances.

Students who exceed the time limit to complete the M.S. Program will be dismissed from the program. Such students must reapply for admission into the program as new students and start the program with no credit from previous courses taken.

Graduation/Commencement Policies

Students must complete all course requirements prior to graduation. Upon petition to the Program Director and the Office of the Registrar, students may be permitted to take part in commencement exercises if they will be completing their graduate studies by August.

Inquiries:

Jeannine Lajeunesse, M.B.A.,Director
280 Mandeville Hall
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131-1395
Phone: (610) 660-1626
Fax: (610) 660-1599
E-mail: jeannine.lajeunesse@sju.edu

Websites:
For on-campus Programs: http://www.sju.edu/hsb/bi
For online Program: http://online.sju.edu/#home

MS Business Intelligence & Analytics (MSBIA) Learning Goals and Objectives

Stakeholder Value/Functional: Students will demonstrate understanding of the concept of the value of decision and systems technologies. It is critical for the competent professional to apply their competencies within a focused environment.

Problem Solving/Critical Thinking: To develop critical thinking skills, that is, the process of conceptualizing, applying, analyzing, synthesizing, and/or evaluating information as the basis for solving problems and making decisions.

Interpersonal/Communication skills: To enhance the interpersonal skills needed for success within organizations, including an understanding of self and others, and to build productive teams. Students will demonstrate the ability to correspond effectively and persuasively in a business format, communicate effectively with individuals and within teams, and present to both individuals and groups clearly and persuasively.

Ignatian Values: An appreciation for and ability to apply the Ignatian values of: a commitment to rigorous education and lifelong learning; an insistence upon ethical decision making; a desire for social justice; and a care and concern for others.

Program-Specific I - Operations Analysis: The ability to develop business models for forecasting and business analysis. This requires the understanding of organizational flows of information and control and the impacts that these flows have on operations.
Program-Specific II - Technical skills: Technical competence in decision and system technologies. As technologies develop, the successful user and manager of these technologies must be constantly aware of developments in these areas.

Program-Specific III - Enterprise Thinking: Integrated viewpoints of the enterprise. The understanding of how the pieces fit together for a complete organization provides the alternative views necessary to maximize overall organizational goals as well as functional area needs.

Curriculum

The MSBIA degree requires completion of 30 credits with a cumulative GPA of 3.0 or better in courses taken at SJU. Prerequisites or corequisites are required for core courses listed below and are met through the scheduled course sequence.

Program Courses

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
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<tr>
<td>DSS 615</td>
<td>Python Programming</td>
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<tr>
<td>DSS 610</td>
<td>Business Analytics for MSBI</td>
<td>3</td>
</tr>
<tr>
<td>DSS 620</td>
<td>Con &amp; Pract of DSS Modeling</td>
<td>3</td>
</tr>
<tr>
<td>DSS 630</td>
<td>Database Manag Theory &amp; Pract</td>
<td>3</td>
</tr>
<tr>
<td>DSS 640</td>
<td>Enterprise Data</td>
<td>3</td>
</tr>
<tr>
<td>DSS 650</td>
<td>Business Process Model &amp; Analy</td>
<td>3</td>
</tr>
<tr>
<td>DSS 660</td>
<td>Introduction to Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>DSS 665</td>
<td>R Statistical Language</td>
<td>3</td>
</tr>
<tr>
<td>DSS 670</td>
<td>Critical Perform Management</td>
<td>3</td>
</tr>
<tr>
<td>DSS 680</td>
<td>Predictive Analytics</td>
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</tr>
<tr>
<td>DSS 690</td>
<td>Special Topics Course</td>
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</tr>
<tr>
<td>DSS 710</td>
<td>Six Sigma Apps &amp; Found II</td>
<td>3</td>
</tr>
<tr>
<td>DSS 720</td>
<td>Bus Analytics:Supply Chain Mgt</td>
<td>3</td>
</tr>
<tr>
<td>DSS 730</td>
<td>Web Analytics</td>
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Select one of the following: 3

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<tr>
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<tbody>
<tr>
<td>ACC 307</td>
<td>Fin Acc Info Sys III (Acconting majors only)</td>
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<tr>
<td>DSS 425</td>
<td>Analytics Cup</td>
</tr>
<tr>
<td>DSS 435</td>
<td>Advanced Business Analytics</td>
</tr>
<tr>
<td>DSS 460</td>
<td>Geographic Information Systems</td>
</tr>
<tr>
<td>DSS 470</td>
<td>DSS Special Topics</td>
</tr>
<tr>
<td>ECN 365</td>
<td>Game Theory (ECN majors only)</td>
</tr>
<tr>
<td>FMK 301</td>
<td>Food Marketing Research (FMK majors only)</td>
</tr>
<tr>
<td>PMK 465</td>
<td>Advanced Marketing Research (PHM majors only)</td>
</tr>
</tbody>
</table>

SAS Certificate

The SAS Institute has endorsed the Master of Science in Business Intelligence & Analytics Program within the Haub School of Business and presents those who completed its program with a Business Intelligence Certificate, certified by SAS. This certificate will be issued to students who graduate from the MSBIA Program after January 2011 and successfully complete DSS 600 through and including DSS 680.

Other Program Options

The Erivan K. Haub School of Business offers a Certificate Program in Business Intelligence. This program is available on-campus only and offers 12 graduate credits in such courses as: Foundations for Business Intelligence, Developing Decision Making Competencies, Six Sigma, or Contemporary Information Technology. Interested applicants and students should contact the Director of the MSBIA Program for more details.

Minor in Business Intelligence & Analytics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 315</td>
<td>BIA Concepts &amp; Practices</td>
<td>3</td>
</tr>
<tr>
<td>DSS 330</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>DSS 420</td>
<td>Introduction to Data Mining</td>
<td>3</td>
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</tbody>
</table>

Requirements

<table>
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<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
</tr>
</tbody>
</table>
EXECUTIVE PROGRAMS

Erivan K. Haub School of Business

In addition to the graduate programs offered in a more traditional format, the Haub School of Business offers six executive programs intended for experienced professionals:

- The 20-Month Executive M.B.A. Program, offering the degree of Master of Business Administration
- The One-Year Executive M.B.A. Program, offering the degree of Master of Business Administration
- The Executive Master’s in Food Marketing Program, offering the degree of Master of Science in Food Marketing and the degree of Master of Business Administration in Food Marketing
- The Pharmaceutical & Healthcare Marketing M.B.A. for Executives, offering the degree of Master of Business Administration in Pharmaceutical & Healthcare Marketing
- The On-Line Pharmaceutical & Healthcare Marketing M.B.A. for Executives, offering the degree of Master of Business Administration in Pharmaceutical & Health Marketing

Course Schedules

Courses in the Executive Programs are scheduled as intensive sessions over one to three days, usually on Fridays and Saturdays. Each of the programs follows its own schedule, varying from the academic calendar for the rest of the University.

Location of Courses

Executive Program classes are held in state-of-the-art conference centers. Classes for the Executive M.B.A. Program are held on campus in Mandeville Hall. Classes for the Executive Master’s in Food Marketing M.S. and M.B.A. Program and the Pharmaceutical & Healthcare Marketing M.B.A. for Executives are held off campus at ACE Conference Center, Lafayette Hill, PA. The On-Line Pharmaceutical & Healthcare Marketing M.B.A. for Executives takes place over a 22-month period. The three/four residencies are hosted at Ace Center. The remainder of the required courses are conducted on-line.

Experience Requirement

Since Executive Programs are intended for experienced professionals, each program requires applicants to have a stated number of years of appropriate experience.

Industry Focus

Two of the Executive Programs are focused on a specific industry—the Executive Master’s in Food Marketing Program and the Pharmaceutical & Healthcare Marketing M.B.A. for Executives. The Executive M.B.A. Programs have a broader focus on the general business area.

Graduate

- Executive MBA (p. 493)
- Foodmarketing MBA-MS Post Masters (p. 496)
- Pharmaceutical & Healthcare Marketing MBA for Executives (p. 502)
- Pharmaceutical & Healthcare Marketing Post Master’s Certificate (p. 504)

- Online Pharmaceutical & Healthcare Marketing MBA for Executives (p. 499)
- Online Pharmaceutical & Healthcare Marketing Post Master’s Certificate (p. 501)

Executive MBA Program

Terese Waldron, Director
Christine Anderson, Assistant Director, Haub School of Business

Mission Statement

The programs strive to educate the students to become leaders who think critically, plan strategically, and act decisively in an increasingly competitive and global economy. The Executive MBA Programs promote the highest level of real-world experience by incorporating and analyzing the empirical knowledge of the students, thus fostering a Socratic educational environment.

The Programs

The Executive MBA Programs enable experienced professionals to obtain a Master’s degree in Business Administration with schedules that minimize disruption of career and personal pursuits. Professionals with demonstrated qualities, proven skills, and personal strengths participate in a highly charged learning environment reflecting Saint Joseph’s long-standing tradition of business ethics and leadership values. As a result, participants are better prepared for today’s business realities with fresh thinking, competitive insights, and new strategic competencies.

The One-Year Executive MBA Program (12-month model) is designed for people who have an undergraduate business degree, thus allowing them to waive the first two semesters of our 20-Month program.

Teaching and Learning Methods

The Executive MBA Programs feature integrated learning as their cornerstone. Learning modules establish a theoretical base and then accelerate to practical applications. Teaching, learning and evaluation strategies are based on a balanced blend of individual and team study. Working closely over the course of the Program, class members gain diverse perspectives and enhance interpersonal skills that are essential in the workplace. Each Executive MBA class is limited in size to provide greater opportunity for exchange of information.

Academic Calendar

The 20-Month Executive MBA Program begins in mid-September with a one-day orientation. The One-Year Executive MBA Program begins in May with a one-day orientation. Classes meet one Friday and two Saturdays per month from 8:00 a.m. to 5:00 p.m. for 20 or 12 months, respectively. There are also online course components. Student breaks are scheduled during the December holidays and in August. The Global residency is held during spring break of the final semester. Graduating Executive MBA students participate in the University commencement ceremony in May.

The Candidate

The Executive MBA Programs are innovative graduate degree programs designed specifically for highly motivated and successful individuals. Students are selected with an emphasis on diversity of experience, profession, and industry. A minimum of five years professional experience is required, and candidates should demonstrate leadership, as well as a proven record of high performance. One class is admitted
Admissions Requirements

In order to apply to the Executive MBA Program, the following is required:

- Minimum five years professional experience
- Completed Online application form - www.sju.edu/emba
- Detailed current resume
- Personal statement
- Official transcripts of all course work from each undergraduate and graduate school attended, with minimum GPA of 2.5. International students need an official course-by-course evaluation by World Education Services (WES) of undergraduate and/or graduate education;
- An undergraduate business degree for One-Year Executive MBA Program only
- Letter of professional recommendation (one)
- Math readiness examination (For One-Year Candidates)

The Executive MBA Programs work on a rolling admission basis. Once a candidate’s file is complete and he/she has been interviewed, the file is reviewed by the Director and Academic Liason. Applicants are also considered relative to the Program’s objective and the Mission of the Haub School of Business. Official acceptances and rejections are made by Director, Academic Liason, and Office of the Dean.

Transfer of Courses

Courses are not waived in the One-Year Executive MBA Program. As a lock-step program, all One-Year students must take all courses. All 20-Month students must take all courses in semesters 3 through 5.

Executive MBA Academic Policies and Regulations

Time Limit and Leave of Absence

Due to the lock-step nature of the Executive MBA Programs, students are required to complete all degree requirements with their class within a 20-Month or One-Year period. Exceptions and extensions beyond this may be made only with the approval of the Program Director and then only for extremely unusual or serious reasons.

Advising Process

Faculty who teach in the Executive MBA Programs are personally accessible to students. Since all Executive MBA students are provided with an e-mail account, students have the option to communicate with faculty via e-mail, in person, or by phone. Students may also speak with the Academic Liason, Program Director, Department Chair, or the Dean of the Haub School of Business at any time.

Probation and Academic Dismissal

Students enrolled in the Executive MBA Program who receive a grade of C or below for three (3) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so advised by letter and will meet with the Director. Students who receive a grade of C or below for nine (9) credit hours will be dropped from the program. The Executive MBA Program Director monitors student progress throughout the course of the program.

The university reserves the right to request the withdrawal of any student when, in its judgment, the general good of the university requires it.

Grading System

The Executive MBA Programs issue letter grades at the completion of each semester and follow the Haub School of Business grading system as illustrated under Academic Policies and Regulations. All students must maintain a 3.0 GPA in the program to be eligible for graduation.

Curricular Changes and Academic Honesty Policy

Executive MBA students are notified in writing of any/all curricular revisions. As a lock-step program, all students begin and complete the program at the same time. Saint Joseph’s EMBA Programs are 20 months or 12 months from start to finish. Academic honesty is discussed during the orientation session. The Executive MBA Programs follow the University’s Academic Honesty Policy as described under Academic Policies and Regulations.

Faculty/Course Management

Department chairs assign all faculty teaching in the Executive MBA Programs. Faculty teaching in the Executive MBA Programs continuously revise and update their courses. Students are asked to complete comprehensive instructor evaluation forms at the end of each course. These forms not only evaluate the instructors’ teaching abilities, but the course and its effectiveness.

Executive MBA faculty continually interact with the class and, therefore, have a good sense of the level of understanding and effectiveness. All course expectations/syllabi are kept on file in the Executive MBA office.

General Information

All Executive MBA classes are held on campus in Mandeville Hall, thereby affording students full access to University facilities and services. Mandeville Hall offers state-of-the-art technology in the Moot Board Rooms, where most classes are held.

During the Executive MBA Orientation, students are introduced and trained in the areas of academic computing, the library, and instructional media. Each student is assigned a University e-mail account upon enrollment. Executive MBA students are provided with a laptop computer so they may take full advantage of the University’s technical facilities.

Tuition

The 2017-2018 tuition for the 20-Month Executive MBA Program is $79,710 for the full 20-Months. The 2017-2018 tuition for the One-Year Executive MBA Program is $69,300 for the full year. Tuition and fees include laptop computer, textbooks, instructional materials, most global residency costs (except evening meals), parking permits, student ID, library and computer lab fees, breakfast and lunch on class days on campus, and executive coaching.

A non-refundable deposit of $500 must be paid to the university as soon as possible following the candidate’s acceptance. Tuition and fees must be paid in full prior to the start of each academic year, unless an Executive MBA student or sponsoring organization elects to use the deferred payment plan.

Should a student become delinquent during an academic year (does not make payment by the due date specified), a late fee may be assessed for each month that the payment is delinquent, and a hold may be placed on the student’s account.
Deferred Payment Plan for Executive MBA Program

The Employer Deferral program offers students whose tuition is being paid by their employer the ability to pay their tuition at the end of each semester. There is a $35.00 application fee for this program per semester.

Inquiries, please contact

Christine Anderson
Assistant Director, Haub School of Business
286 Mandeville Hall
(610) 660-2252
(800) SJU-EMBA/(800) 758-3622
Email: emba@sju.edu
www.sju.edu/emba

Executive MBA (EMBA) Learning Goals and Objectives

Leadership: Students will demonstrate an understanding of what leadership entails, that is, to foster the motivation, inspiration, and direction skills necessary for an organization to achieve its goals.

Stakeholder Value/Functional: Students will demonstrate both breadth and depth of knowledge in the major functional areas of the organization, including the interpersonal skills needed for success within organizations; students will develop an understanding of the concept of value, the role of the different business functional areas in value creation, and how the value creation activities of the organization impact company stakeholders including owners, employees, customers, local communities, interest groups and society as a whole.

Problem Solving/Critical Thinking: Students will develop critical thinking skills, that is, the process of conceptualizing, applying, analyzing, synthesizing, and/or evaluating information as the basis for solving problems and making decisions.

Ignatian Values: Students will develop an appreciation for and ability to apply Ignatian values - an insistence upon ethical decision making and a desire for social justice – to business decisions.

Global/Diversity: Students will have a basic knowledge of world geography; will understand major economic, political and cultural differences and influences in different regions of the world (U.S./North America, Central and South America, Africa, Western Europe, Eastern Europe and Russia, and the regions of Asia and the Pacific Rim) and will develop an understanding of and respect for diversity in the population and in organizations related to differences across cultures, ethnic groups, socio-economic groups, gender and sexual orientation.

The Executive MBA Program enables professionals with at least five years of work experience to obtain a Master’s Degree in Business Administration in a model that minimized disruption of career and personal pursuits. The Executive MBA Program within The Haub School of Business is unique in its understanding of the forces that drive modern business. The program has an innovative curriculum, which balances the practical analysis of business issues with the benefits of formal education.

The intensive 20-Month Program spans 48 credits and five semesters, and the intensive One-Year Program spans 30 credits and three semesters.

Courses are subject to change.

### Schedule of Courses

#### 20-Month Program Begins

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<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ACC 530</td>
<td>Accounting Concepts- Exec MBA</td>
<td>2</td>
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<tr>
<td>DSS 585</td>
<td>Big Data</td>
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<td>MKT 521</td>
<td>Marketing Concepts</td>
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<tr>
<td>MGT 510</td>
<td>Empowering Work Organization</td>
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<td></td>
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#### Spring

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<tr>
<td>ACC 570</td>
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<td>FIN 504</td>
<td>Finance Foundation</td>
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<tr>
<td>MGT 512</td>
<td>Empower Human Cap: Legal &amp; HR</td>
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<tr>
<td>MGT 575</td>
<td>Teams &amp; INC</td>
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#### One-Year Program Begins

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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 620</td>
<td>Fin Statement Analysis- Ex MBA</td>
<td>1</td>
</tr>
<tr>
<td>BUS 570</td>
<td>Strategic Management &amp; Mktx</td>
<td>2</td>
</tr>
<tr>
<td>DSS 582</td>
<td>Research Skills</td>
<td>2</td>
</tr>
<tr>
<td>DSS 583</td>
<td>Decision Making Techniques</td>
<td>2</td>
</tr>
<tr>
<td>MGT 570</td>
<td>Business Ethics</td>
<td>2</td>
</tr>
<tr>
<td>MKT 531</td>
<td>Integrated Mktx Communic</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Hours</td>
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</tr>
</tbody>
</table>

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BUS 571</td>
<td>Global Business</td>
<td>4</td>
</tr>
<tr>
<td>FIN 550</td>
<td>Shareholder Value Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 571</td>
<td>Ethics II</td>
<td>1</td>
</tr>
<tr>
<td>MGT 573</td>
<td>Leadership and Development</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Hours</td>
<td>10</td>
</tr>
</tbody>
</table>

---

1 Tuition subject to change.
Food Marketing MBA-MS-Post Masters Program

Stephen Porth, Interim Chair Food Marketing Department
Terese W. Waldron, Director
Kathleen Klarich, Marketing Development Manager
Jeannine Kinney, Administrative Assistant

The Executive Master’s in Food Marketing Program is rooted in a 50-year tradition of academic excellence in food marketing and is designed for leaders and professionals with strong backgrounds in the food industry and associated fields. Our unique program provides advanced academic and developmental experiences in strategic marketing and related business disciplines. Executive students together with a network of industry peers earn an M.B.A. or M.S. degree by attending either Friday/Saturday sessions in an executive conference center or online. Courses are led by world-class faculty and are often co-taught with industry experts. Course work encompasses both strategic and “hands on” experiences. Courses at the executive conference center are offered nearly every weekend. Several online courses are offered each semester. Executive students may take as few or as many classes as fit their schedule, and matriculate at their own pace—in as little as two years or as long as six years, the maximum time limit.

Three Academic Tracks

Track 1: Master of Business Administration (M.B.A.) in Food Marketing.
This program provides a strong generalist business curriculum with a comprehensive concentration in food marketing. Students will acquire knowledge of food marketing strategy, including developing strategic and tactical plans, marketing research, data analysis, market segmentation, positioning, product/pricing/distribution decision-making and communications.

Students earn their Master of Business Administration in Food Marketing degree upon successfully completing 24 courses and earning 48 (foundation courses may be waived upon review of academic transcripts).

Track 2: Master of Science (M.S.) in Food Marketing
The program is perfect for the student not interested in traditional MBA courses; one who prefers to focus on the unique challenges of the food industry itself. The program offers courses focused on specific industry topics. They are not linked in any sequential manner, and it is not necessary for students to attend courses in a structured sequence. Participants earn a Master of Science degree in Food Marketing after successfully completing 18 courses and earning 36 credits (including one foundation course which may be waived upon review of academic transcripts).

Track 3: Post-Master’s Certificate in Food Marketing
This program provides those individuals with a general Master’s, M.B.A or other post-graduate degree the opportunity to augment their knowledge of the food industry through the completion of post-graduate course work that focuses specifically on topical, industry-related issues. Participants will earn a Post-Master’s Certificate in Food Marketing upon successfully completing 6 courses and earning 12 credits.

Mission Statement
The mission of Saint Joseph’s Executive Master’s in Food Marketing Program is to develop current and future leaders by providing industry programs for all segments of the food industry, delivering these programs to the life-long student in a flexible and convenient format within state-of-the-art environments.

Location and Time of Executive Center Courses
Courses with live instruction are offered at The Chubb Hotel and Conference Center, Lafayette Hill, PA (15 minutes from Main Campus) on Friday and Saturday. Classes generally begin at 8:30 a.m. and continue until 5:00 p.m. each day. Virtual instruction occurs at various times. Periodically classes will be held on the SJU campus.

Online Courses
Online courses cover a one month period, and include a live, once-a-week, online, live, evening class session. Online students are required to take three courses at the ACE Executive Conference Center in the Philadelphia area as part of their degree requirements. All students are invited to mix both live and online classes in a way that best fits their own work and home schedules.

Admissions Requirements and Procedures
Students are admitted through a rolling admission process.

Executive M.B.A. and Master of Science in Food Marketing Program
Students applying for admission must have a baccalaureate degree from an accredited college or university and four years of industry experience. Applicants must submit the following:

1. a completed application form
2. official transcripts of all course work from each undergraduate and graduate school attended
3. two letters of recommendation
4. a resume
5. two business writing samples
6. a structured personal interview or GMAT or GRE

Foreign applicants
International applicants are no longer required to submit a credentials evaluation—transcript evaluations will be performed by Admissions staff. However, applicants already possessing a course-by-course evaluation of their transcripts are encouraged to submit this in place of original transcripts. For those who do not possess a course-by-course evaluation, an official record of all college and university academic studies and
results of state and/or national examinations taken are required. Academic records must include the name of each individual course, the grade earned, and the grading scale used. Documents must be submitted in one’s native language with an official English translation. The Graduate Operations Office performs all international credential evaluations. Foreign documents, credentials and transcripts must be official (sealed and sent directly from the institution). Only originals or photocopies officially stamped and attested by a school official (Registrar, Principle, or Controller of Examinations) are accepted. Faxes, scanned or notarized copies or copies attested by a department head cannot be accepted as official. All credentials submitted to the Graduate Operations Office become property of the University and cannot be returned.

Foreign applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements should be made by writing directly to:

TOEFL
Box 6151
Princeton, NJ, U.S.A., 08541-6151

Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Center on the Saint Joseph’s University campus. A minimum score of 550, internet based TOEFL 80, or 213 on computerized test on the TOEFL is required to take any courses in the M.B.A. Program. An official IELTS score of 6.5 or an official PTE score of 60 is also acceptable. Qualified students who complete Level 112 at the ELS Language Center and receive a strong, positive letter of recommendation from the Center can begin their MBA studies without the official TOEFL score. Foreign applicants seeking an F-1 student visa must also supply a statement of financial support.

Admission to Post-Master’s Certificate in Food Marketing Program

Students applying for admission to the Post-Master’s Certificate in Food Marketing program must have a Master’s or M.B.A. degree from an accredited college or university and a strong record of business experience. Admissions criteria are as follows:

- a completed application form
- official Master’s/M.B.A. transcripts
- a resume

Tuition and Fees

All students enrolled in courses are charged on a per course basis. All charges are due and payable based on the due date specified on the invoice. Students can view invoices through their account in The Nest.. It is the students’ responsibility to maintain their accounts in a current status.

Students who are financially delinquent will forfeit the privilege of attending classes, and the University has the right to withhold grades, transcripts, and diploma until such indebtedness is paid. Students who fall in arrears on one course will be denied admission to future classes until settlement of accounts is completed.

Fees are paid by check or they may be charged to Visa, MasterCard, or American Express (additional service charge for credit card payments). Students have the option of paying directly on the web via The Nest. The following fees are in effect or the academic year 2016-2017:

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Per two-day ACE course (2.0 credits)</td>
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</tr>
<tr>
<td>Per online course (2.0 credits)</td>
<td>TBD</td>
</tr>
<tr>
<td>Application fee</td>
<td>no charge</td>
</tr>
<tr>
<td>Transcript free (per copy)</td>
<td>$10</td>
</tr>
</tbody>
</table>

Inquiries:

Master’s in Food Marketing Program
387 Mandeville Hall
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131-1395  
http://www.sju.edu/academics/hsb/grad/efm/index.html

**Therese Waldron, Director**  
(610) 660-3150  
twaldron@sju.edu

**Kathleen Klarich, Market Development Manager**  
(610) 660-3155  
kklarich@sju.edu

**Jeannine Kinney, Administrative Assistant**  
(610) 660-1692  
jkinney@sju.edu

**Graduate — Food Marketing Executive MBA Learning Goals and Objectives**

**Leadership:** Students will gain an understanding of concepts, theories, and practices of effective leadership.

**Stakeholder Value/Functional:** Students will demonstrate understanding of the concept of value creation, measurement, and the role of the different business functional areas as they apply to company stakeholders.

**Problem Solving/Critical Thinking:** To develop critical thinking skills, that is, the process of conceptualizing, applying, analyzing, synthesizing, and/or evaluating information as the basis for solving problems and making decisions.

**Interpersonal/Communication skills:** Students will demonstrate the ability to correspond effectively and persuasively in a business format and present to both individuals and groups clearly and persuasively.

**Ignatian Values:** Students will develop an appreciation for and ability to apply Ignatian values - an insistence upon ethical decision making and a desire for social justice – to business decisions.

**Global/Diversity:** Students will understand the challenges businesses face in a global economy, and the cultural issues firms must address to succeed in this environment. A fuller understanding of and respect for diversity in the population and in organizations related to differences across cultures, ethnic groups, socio-economic groups, gender and sexual orientation.

**Program Specific Objective 1:** Students will acquire knowledge of the food industry: the macro environment in which the industry operates; industry structure; industry functions; and operations. Students will acquire knowledge of the supply chain for both retail as well as the food service sectors of the food industry.

**Program Specific Objective 2:** Students will acquire knowledge of food marketing strategy including: developing strategic and tactical plans; marketing research and data analysis; segmentation and positioning; and the marketing mix: product decisions, pricing decisions, distribution decisions, and communications decisions.

**Curriculum for the M.B.A. in Food Marketing**

The Master of Business Administration degree in Food Marketing requires successful completion within six (6) years of 24 courses and a minimum GPA of 3.0. Courses are distributed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 510</td>
<td>Accounting Foundation</td>
<td>2</td>
</tr>
<tr>
<td>DSS 592</td>
<td>Business Statistics</td>
<td>2</td>
</tr>
<tr>
<td>FIN 501</td>
<td>Economics Foundation</td>
<td>2</td>
</tr>
<tr>
<td>FIN 504</td>
<td>Finance Foundation</td>
<td>2</td>
</tr>
<tr>
<td>MGT 520</td>
<td>Empowering Individuals &amp; Grps</td>
<td>2</td>
</tr>
<tr>
<td>MKT 530</td>
<td>Marketing Foundation</td>
<td>2</td>
</tr>
</tbody>
</table>

**Foundation Courses**

**Core Courses**

**Food Marketing Specialization Courses**

Select eleven of the following and Capstone:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>FMK 711</td>
<td>Food Marketing Management</td>
</tr>
<tr>
<td>FMK 713</td>
<td>Food Mkgt Strategy:Warfare App</td>
</tr>
<tr>
<td>FMK 714</td>
<td>Strategy &amp; Tactic:Food Pricing</td>
</tr>
<tr>
<td>FMK 717</td>
<td>Ethnic Marketing</td>
</tr>
<tr>
<td>FMK 719</td>
<td>Private Label Sales: Mkt Strat</td>
</tr>
<tr>
<td>FMK 720</td>
<td>Mkt Segmentation/Target Mktg</td>
</tr>
<tr>
<td>FMK 722</td>
<td>Food Marketing Research</td>
</tr>
</tbody>
</table>
The Master of Science degree in Food Marketing requires successful completion within six (6) years of 18 courses (36 credits) including 17 Food Marketing Specialization courses from the MBA curriculum list. Unless waived per undergraduate transcripts, students will be required to complete FIN 501 as well. Minimum GPA of 3.0 required for degree.

Curriculum for the Master of Science in Food Marketing

The Master of Science degree in Food Marketing requires successful completion within six (6) years of 18 courses (36 credits) including 17 Food Marketing Specialization courses from the MBA curriculum list. Unless waived per undergraduate transcripts, students will be required to complete FIN 501 as well. Minimum GPA of 3.0 required for degree.

Online Pharmaceutical & Healthcare Marketing MBA for Executives

George P. Sillup, Ph.D., Chair, Pharmaceutical & Healthcare Marketing
Terese W. Waldron, Director
Jonathan B. Dart, MBA, Program Administrator/Senior Manager, Integrated Marketing Communications
Jeannine Kinney, Administrative Assistant

Mission Statement

The mission of Saint Joseph’s Online Pharmaceutical & Healthcare Marketing MBA for Executives is to provide industry programs for all segments of the pharmaceutical, biotech, medical devices, diagnostics, allied partners and healthcare industries, delivering these programs to the life-long student in a flexible and convenient format via 21 online courses, three residencies, and web-based technologies.

Admissions Requirements and Procedures

Students are accepted on a rolling admissions basis. Students applying for admission to the On-line Pharmaceutical & Healthcare Marketing MBA for Executives must have a baccalaureate degree from an accredited college or university. Admissions criteria:

- four (4) years of pharmaceutical/healthcare or related industry experience
- a completed application form
- official transcripts of all course work from each undergraduate and graduate school attended. International students need an official course-by-course evaluation by World Education Services (WES) of undergraduate and graduate education
  - a letter of recommendation from their current employer
  - a resume
  - A structured personal interview is required in lieu of GMAT or GRE scores.

Foreign applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements should be made by writing directly to:

TOEFL
Box 6151
Princeton, NJ, U.S.A. 08541-6151

Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Center on the Saint Joseph’s University campus. A minimum score of 550, internet based TOEFL 79, or 213 on computerized test on the TOEFL is required to take any course in the Program. An IELTS score of 6.5 or an official PTE score of 60 is also acceptable. Qualified students who complete Level 112 at the ELS Language Center and receive a strong, positive letter of recommendation from the Center can begin their graduate studies without the official TOEFL score. Applicants are also required to register with the World Education Services (WES) to have an official course-by-course evaluation of their undergraduate work. Additional information on WES transcript evaluation can be obtained by visiting them at www.wes.org (http://www.wes.org).

Tuition and Fees: Online Pharmaceutical & Healthcare Marketing MBA for Executives

All students enrolled in the courses are charged on a per course basis. All charges are due and payable upon receipt of the invoice. Students can view their invoices through their student accounts in The Nest. It is the students’ responsibility to maintain their account in a current status. Corporations will be billed directly only when appropriate authorization has been made by the corporation. Please check with Hawk Central on procedures for corporate billing.

Students who are financially delinquent will forfeit the privilege of attending classes and the University has the right to withhold grades, transcripts, and diploma until such indebtedness is paid.

Fees are paid by check or money order, or they may be charged to Visa, MasterCard, or American Express (additional service fee charges for credit card payments). For the current academic year the tuition per 2 credits is $3,126.

Matriculated Students

Students who have met all entrance requirements and are working in the MBA program are classified as matriculated students.

Academic Dismissal

Students enrolled in this program who receive a grade of C or below for two (2) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so advised by letter. Students who receive a grade of C or below for ten (10) credit hours will be dropped from the program.
The Program Director monitors student progress throughout the course of the program.

The university reserves the right to request the withdrawal of any student when, in its judgment, the general good of the university requires it.

Admissions Committee
The decision for accepting applicants into the program will be made by the Director with the advice of the Admissions Committee after they have reviewed completed applications. Members of the Admissions Committee are:

- Terese Waldron, M.S., Chair of the Admissions Committee
- George P. Sillup, Ph.D., Associate Professor and Chair of Pharmaceutical & Healthcare Marketing
- Thani Jambulingam, Ph.D., Associate Professor of Pharmaceutical & Healthcare Marketing
- Joseph Larkin, Ph.D., Associate Professor of Accounting
- Ginette McManus Ph.D., Professor of Finance
- John Yi, Ph.D., Assistant Professor of Decision and System Sciences
- Anthony DelConte, M.D., Assistant Professor or Pharmaceutical & Healthcare Marketing
- Ronald K. Klimberg, Ph.D., Professor of Decision and System Sciences
- Bill Trombetta, Ph.D., Professor of Pharmaceutical Healthcare Marketing
- David Steingard, Ph.D., Associate Professor of Management
- Carolin Schellhorn, Ph.D., Assistant Professor of Finance
- Iljoo Kim, Assistant Professor of Decision and Systems Sciences

Location and Time of Required Residency Courses
Students take at least three of their courses in the online format. During Residencies, the two-day course format accommodates the personal and professional demands of individual online students. Courses are completed during one Friday/Saturday session with pre- and post-assignments. Students may attend as often as their schedule permits, completing the degree requirements within six years.

In-person courses are offered at Chubb Conference Center, Lafayette Hill, PA (15 minutes from Main Campus) or another designated site. The Capstone course, MPE 795 is a three-day course offered on a Thursday, Friday and Saturday. Visit the web site at www.chubbconferencecenter.com (http://www.chubbconferencecenter.com) for more information about the Center.

Inquiries:
Mr. Jonathan Dart
Senior Manager, Integrated Marketing Communications & Program Administrator, MV 289
Saint Joseph's University
5600 City Avenue
Philadelphia, PA 19131
(610) 660-3149
(800) SJU-EMBA
Email: jdart@sju.edu
www.sju.edu/epharma

Pharmaceutical & Healthcare Marketing Learning Goals and Objectives

Objective 1: Leadership — Students will demonstrate the ability to lead in team situations, that is, to motivate, inspire and direct a team to achieving its goals.

Objective 2: Knowledge of functional area — Students will know core concepts within each business discipline of accounting, finance, management, marketing, and information technology.

Objective 3: Critical thinking and problem solving — Students will be able to analyze business scenarios in an integrative way and make constructive and actionable recommendations for problem solving.

Objective 4: Interpersonal/communication skills — Students will demonstrate competency in written and verbal communication aimed at facilitating, and reporting the results of, collaborative problem solving and decision making processes.

Objective 5: Ignatian Values — Students will be able to generate scholarship that embodies free, open inquiry, and provokes imaginative thinking and reflection on values. An appreciation for and ability to apply the Ignatian values of: a commitment to rigorous education and lifelong learning; an insistence upon ethical decision making; a desire for social justice; and a care and concern for others.

Objective 6: Global/Diversity — Students will understand the challenges businesses face in a global economy, and the cultural issues firms must address to succeed in this environment. A fuller understanding of and respect for diversity in the population and in organizations related to differences across cultures, ethnic groups, socio-economic groups, gender and sexual orientation.

Program Specific I Objective: Strategic Thinking: Students will exhibit strategic approaches to the complex business related problems in the pharmaceutical/healthcare industries and provide alternative strategies evaluating the pros and cons of those approaches.

The Online Pharmaceutical & Healthcare Marketing MBA for Executives requires the completion of 24 courses. All courses are 2.0 credits each for a total of 48 credits. The core business courses are designed to ensure that all students in the program have that common body of knowledge necessary for advanced study in business.

The following courses are required:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MGT 520</td>
<td>Empowering Individuals &amp; Grps</td>
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</tr>
<tr>
<td>ACC 510</td>
<td>Accounting Foundation</td>
<td>2</td>
</tr>
<tr>
<td>FIN 501</td>
<td>Economics Foundation</td>
<td>2</td>
</tr>
<tr>
<td>FIN 504</td>
<td>Finance Foundation ¹</td>
<td>2</td>
</tr>
<tr>
<td>MPE 530</td>
<td>Marketing Foundation</td>
<td>2</td>
</tr>
<tr>
<td>FIN 551</td>
<td>Managerial Finance</td>
<td>2</td>
</tr>
<tr>
<td>ACC 560</td>
<td>Managerial Accounting</td>
<td>2</td>
</tr>
<tr>
<td>MGT 581</td>
<td>Leadership &amp; Development (Required Residency)</td>
<td>2</td>
</tr>
<tr>
<td>DSS 592</td>
<td>Business Statistics</td>
<td>2</td>
</tr>
<tr>
<td>BUS 582</td>
<td>Business Ethics (Required Residency)</td>
<td>2</td>
</tr>
<tr>
<td>MPE 710</td>
<td>Product Management</td>
<td>2</td>
</tr>
<tr>
<td>MPE 670</td>
<td>Pricing</td>
<td>2</td>
</tr>
<tr>
<td>MPE 620</td>
<td>Supply Chain Management</td>
<td>2</td>
</tr>
<tr>
<td>MPE 640</td>
<td>Pharmacoeconomics</td>
<td>2</td>
</tr>
<tr>
<td>MPE 700</td>
<td>Strategies for Managed Markets</td>
<td>2</td>
</tr>
<tr>
<td>MPE 610</td>
<td>Drug, Device Regulations</td>
<td>2</td>
</tr>
</tbody>
</table>

¹ MGT 504 and MGT 581 require the completion of 24 courses.
TOEFL should be made by writing directly to: Foreign applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements for all segments of the pharmaceutical, biotech, medical devices, diagnostics, allied partners and healthcare industries, delivering these programs to the life-long student in a flexible and convenient format within state-of-the-art environments.

Admissions Requirements and Procedures

Students are admitted through a rolling admission process. Students applying for admission to the Pharmaceutical & Healthcare Marketing Post Master's Certificate Program must have a Master's degree from an accredited college or university. Admissions criteria:

- a completed application form
- official undergraduate and/or graduate transcripts. International students need an official course-by-course evaluation by World Education Services (WES) of graduate education
- a résumé
- 4 (four) years of pharmaceutical/health care industry experience

Foreign applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements should be made by writing directly to:

TOEFL
Box 6151
Princeton, NJ, U.S.A. 08541-6151

Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Center on the Saint Joseph’s University campus. A minimum score of 550 or 213 on computerized test on the TOEFL is required to take any courses in this program. An IELTS score of 6.5 or an official PTE score of 60 is also acceptable. Qualified students who complete Level 112 at the ELS Language Center and receive a strong, positive letter of recommendation from the Center can begin their graduate studies without the official TOEFL score. Applicants are also required to register with the Word Education Services (WES) to have an official course-by-course evaluation of their graduate work. Additional information on WES transcript evaluation can be obtained by visiting them at www.wes.org (http://www.wes.org).

Online Pharmaceutical & Healthcare Marketing Post Master’s Certificate

George P. Sillup, Ph.D., Chair, Pharmaceutical & Healthcare Marketing
Terese W. Waldron, Director
Jonathan B. Dart, M.B.A., Program Administrator/Senior Manager,
Integrated Marketing Communications
Jeannine Kinney, Administrative Assistant

Mission Statement

The mission of Saint Joseph’s Pharmaceutical & Healthcare Marketing Post Master’s Certificate Program for Executives is to provide industry programs for all segments of the pharmaceutical, biotech, medical devices, diagnostics, allied partners and healthcare industries, delivering programs to the life-long student in a flexible and convenient format within state-of-the-art environments.

Tuition and Fees: Pharmaceutical & Healthcare Marketing Post Master’s and Advanced Certificates

All students enrolled in the Pharmaceutical & Healthcare Marketing Post Master’s and Advanced Certificate courses are charged according to the fees listed below. All charges are due and payable upon receipt of the invoice. It is the students’ responsibility to maintain their account in a current status. Corporations will be billed directly only when appropriate authorization has been made by the corporation.

Students who are financially delinquent will forfeit the privilege of attending classes and the University has the right to withhold grades, transcripts, and diploma until such indebtedness is paid. Students who fall in arrear of two or more courses will be denied admission to future classes until settlement of accounts is completed.

Fees are paid by check or money order, or they may be charged to Visa, MasterCard, or American Express (additional service fees charged for credit card payments). The following fees are in effect for the for the Online Post

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
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</thead>
<tbody>
<tr>
<td>Online Post Master’s Certificate Program</td>
<td>$18,756.00</td>
</tr>
<tr>
<td>Monthly Online Post Master’s certificate courses (2 credits each)</td>
<td>$3,126.00</td>
</tr>
</tbody>
</table>

All Fees are Subject to change

Academic Dismissal

Students enrolled in the Pharmaceutical & Healthcare Marketing Post MBA/Masters and Advanced Certificate Programs who receive a grade of C or below for two (2) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so advised by letter. Students who receive a grade of C or below for ten (10) credit hours will be dropped from the program. All students must maintain a 3.0 GPA in the program to be eligible for graduation. The Executive Pharmaceutical Marketing MBA Program Director monitors student progress throughout the course of the program. The university reserves the right to request the withdrawal of any student when, in its judgment, the general good of the university requires it.
Admissions Committee
The recommendation for accepting applicants into the program will be
made by the Admissions Committee and its members. Members of the
Admissions Committee are:

- Terese Waldron, M.S., Chair of the Admissions Committee
- George P. Sillup, Ph.D., Associate Professor and Chair of
  Pharmaceutical & Healthcare Marketing
- Thani Jambulingam, Ph.D., Associate Professor of Pharmaceutical &
  Healthcare Marketing
- Joseph Larkin, Ph.D., Associate Professor of Accounting
- Ginette McManus Ph.D., Professor of Finance
- John Yi, Ph.D., Assistant Professor of Decision and System Sciences
- Anthony DelConte, M.D., Visiting Professor of Pharmaceutical &
  Healthcare Marketing
- Ronald K. Klimberg, Ph.D., Professor of Decision and System Sciences
- Bill Trombeta, Ph.D., Professor of Pharmaceutical Healthcare Marketing
- David Steingard, Ph.D., Associate Professor of Management
- Carolin Schellhorn, Ph.D., Assistant Professor of Finance
- Iljoo Kim, Assistant Professor of Decision and System Sciences

Inquiries:
Mr. Jonathan Dart
Senior Manager, Integrated Marketing Communications/Program
Administrator
Pharmaceutical & Healthcare Marketing MBA Programs
Mandeville Hall-MV289
(610) 660-3149
(800) SJU-EMBA
Email: jdart@sju.edu
www.sju.edu/epharma

Objectives
The objectives of the Pharmaceutical & Healthcare Marketing Post
Master’s and Advanced Certificate Programs are:

- to provide managers and executives employed in the pharmaceutical,
  biotech, medical devices, diagnostics, allied partners and healthcare
  industries with advanced education and developmental experiences.
- to provide highly qualified faculty of Saint Joseph’s University,
  complemented by domestic and international business and
  marketing experts retained as executive lecturers
- to provide modular format for the delivery of business concepts and
  skills specific to this industry

The Post Master’s/MBA Certificate and the Advanced Certificate requires
the completion of 6 courses from the following list. No prerequisites are
required for Post Master’s students.

Courses Offered:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPE 610</td>
<td>Drug, Device Regulations</td>
<td>2</td>
</tr>
<tr>
<td>MPE 660</td>
<td>Sales Management</td>
<td>2</td>
</tr>
<tr>
<td>DSS 593</td>
<td>Sales Forecasting</td>
<td>2</td>
</tr>
<tr>
<td>MPE 630</td>
<td>Marketing Research</td>
<td>2</td>
</tr>
<tr>
<td>MPE 650</td>
<td>Competitive Analysis</td>
<td>2</td>
</tr>
<tr>
<td>MPE 620</td>
<td>Supply Chain Management</td>
<td>2</td>
</tr>
<tr>
<td>MPE 700</td>
<td>Strategies for Managed Markets</td>
<td>2</td>
</tr>
<tr>
<td>MPE 720</td>
<td>Global Corporate Strategy</td>
<td>2</td>
</tr>
<tr>
<td>MPE 670</td>
<td>Pricing</td>
<td>2</td>
</tr>
<tr>
<td>BUS 582</td>
<td>Business Ethics</td>
<td>2</td>
</tr>
<tr>
<td>MPE 640</td>
<td>Pharmacoeconomics</td>
<td>2</td>
</tr>
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<td>MPE 711</td>
<td>Pharmaceutical Strategy</td>
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<td>MPE 710</td>
<td>Product Management</td>
<td>2</td>
</tr>
<tr>
<td>MPE 625</td>
<td>Creating Effective R &amp; D</td>
<td>2</td>
</tr>
<tr>
<td>MPE 781</td>
<td>Health Policy</td>
<td>2</td>
</tr>
<tr>
<td>MPE 780</td>
<td>Future Issues</td>
<td>2</td>
</tr>
<tr>
<td>MPE 795</td>
<td>Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

This list was accurate at time of publication. It is subject to change.

Once accepted into the program, a course calendar will be created
depending on your schedule and when courses are offered. A technology
orientation is required prior to participating in your first course.

Pharmaceutical & Healthcare
Marketing MBA for Executives

George P. Sillup, Ph.D., Chair, Pharmaceutical & Healthcare Marketing
Terese W. Waldron, Director
Kathleen Klarich, Market Development Manager/Program Administrator
Jeannine Kinney, Administrative Assistant

Mission Statement
The mission of Saint Joseph’s Pharmaceutical & Healthcare Marketing
MBA for Executives is to provide industry programs for all segments
of the pharmaceutical, biotech, medical devices, diagnostics, allied
partners and healthcare industries, delivering these programs to the life-
long student in a flexible and convenient format within state-of-the-art
environments.

Admissions Requirements and Procedures
Students are admitted through a rolling admission process. Students
applying for admission to the Pharmaceutical & Healthcare Marketing
MBA for Executives Program must have a baccalaureate degree from an
accredited college or university. Admissions criteria:

- 4 (four) years of pharmaceutical/healthcare industry experience
- a completed application form
- official transcripts of all course work from each undergraduate and
  graduate school attended, with minimum GPA 2.5. International
  students need an official course-by-course evaluation by World
  Education Services (WES) of undergraduate and/or graduate
  education;
- a résumé
- a letter of recommendation
- A structured personal interview is required in lieu of GMAT or GRE
  scores

Foreign applicants whose native language is not English are required to
take the Test of English as a Foreign Language (TOEFL). Arrangements
should be made by writing directly to:

TOEFL
Box 6151
Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Center on the Saint Joseph’s University campus. A minimum score of 550 or 213 on computerized test on the TOEFL is required to take any courses in this program. An IELTS score of 6.5 or an official PTE score of 60 is also acceptable. Qualified students who complete Level 112 at the ELS Language Center and receive a strong, positive letter of recommendation from the Center can begin their graduate studies without the official TOEFL score. Applicants are also required to register with the Word Education Services (WES) to have an official course-by-course evaluation of their undergraduate work. Additional information on WES transcript evaluation can be obtained by visiting them at www.wes.org (http://www.wes.org).

**Tuition and Fees: Pharmaceutical & Healthcare Marketing MBA for Executives**

All students enrolled in the courses are charged on a per course basis. All charges are due and payable upon receipt of the invoice. Students can view their invoices through their student accounts in The Nest. It is the students’ responsibility to maintain their account in a current status. Corporations will be billed directly only when appropriate authorization has been made by the corporation. Please check with Hawk Central on procedures for corporate billing.

Students who are financially delinquent will forfeit the privilege of attending classes and the University has the right to withhold grades, transcripts, and diploma until such indebtedness is paid.

Fees are paid by check or money order, or they may be charged to Visa, MasterCard, or American Express (additional service fee for credit card payments). For the current academic year the tuition per 2 credits is $3,078.

**Matriculated Students**

Students who have met all admission requirements are classified as matriculated students.

**Academic Dismissal**

Students enrolled in the Pharmaceutical & Healthcare Marketing MBA for Executives who receive a grade of C or below for two (2) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so advised by letter. Students who receive a grade of C or below for ten (10) credit hours will be dropped from the program. All students must maintain a 3.0 GPA in the program to be eligible for graduation. The Pharmaceutical & Healthcare Marketing MBA for Executives Program Director monitors student progress throughout the course of the program. The university reserves the right to request the withdrawal of any student when, in its judgment, the general good of the university requires it.

**Admissions Committee**

The recommendation for accepting applicants into the program will be made by the Admissions Committee and its members. Members of the Admissions Committee are:

- Terese Waldron, M.S., Chair of the Admissions Committee

**Location and Time of Courses**

The two-day course format accommodates the personal and professional demands of individual students. Courses are offered nearly every Friday/Saturday year round. Students may attend as often as their schedule permits, completing the degree requirements within six years. Students in this program are also permitted to take online courses when needed.

Courses are offered at The Chubb Hotel and Conference Center, Lafayette Hill, PA (15 minutes from Main Campus). Each course is completed in a Friday/Saturday classroom session, along with a pre- and post-assignment. The Capstone course, MPE 795, is a three-day course offered on a Thursday, Friday and Saturday. Visit the web site at www.chubbhotelandconferencecenter.com (http://www.chubbhotelandconferencecenter.com) for more information about The Chubb Hotel Conference Center. Periodically classes will be held on the SJU campus.

**Inquiries:**

Ms. Kathleen Klarich
Market Development Manager/Program Administrator
Pharmaceutical & Healthcare Marketing MBA for Executives
392 Mandeville Hall
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131
(610) 660-3155
(800) SJU-EMBA
Email: kklarich@sju.edu
www.sju.edu/epharma

**Pharmaceutical and Healthcare Marketing Learning Goals and Objectives**

**Objective 1:** Leadership — Students will demonstrate the ability to lead in team situations, that is, to motivate, inspire and direct a team to achieving its goals.

**Objective 2:** Knowledge of functional area — Students will know core concepts within each business discipline of accounting, finance, management, marketing, and information technology.

**Objective 3:** Critical thinking and problem solving — Students will be able to analyze business scenarios in an integrative way and make constructive and actionable recommendations for problem solving.
Objective 4: Interpersonal/communication skills — Students will demonstrate competency in written and verbal communication aimed at facilitating, and reporting the results of, collaborative problem solving and decision making processes.

Objective 5: Ignatian Values — Students will be able to generate scholarship that embodies free, open inquiry, and provokes imaginative thinking and reflection on values. An appreciation for and ability to apply the Ignatian values of: a commitment to rigorous education and lifelong learning; an insistence upon ethical decision making; a desire for social justice; and a care and concern for others.

Objective 6: Global/Diversity — Students will understand the challenges businesses face in a global economy, and the cultural issues firms must address to succeed in this environment. A fuller understanding of and respect for diversity in the population and in organizations related to differences across cultures, ethnic groups, socio-economic groups, gender and sexual orientation.

Program Specific I Objective: Strategic Thinking: Students will exhibit strategic approaches to the complex business related problems in the pharmaceutical/healthcare industries industry and provide alternative strategies evaluating the pros and cons of those approaches.

The Pharmaceutical & Healthcare Marketing MBA requires the completion of 24 courses. All courses are 2.0 credits each for a total of 48 credits. The core business courses are designed to ensure that all students in the program have that common body of knowledge necessary for advanced study in business. The following courses are required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MGT 520</td>
<td>Empowering Individuals &amp; Grps</td>
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<td>ACC 510</td>
<td>Accounting Foundation</td>
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<tr>
<td>FIN 501</td>
<td>Economics Foundation</td>
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<tr>
<td>FIN 504</td>
<td>Finance Foundation</td>
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<td>MPE 530</td>
<td>Marketing Foundation</td>
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<td>FIN 551</td>
<td>Managerial Finance</td>
<td>2</td>
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<tr>
<td>ACC 560</td>
<td>Managerial Accounting</td>
<td>2</td>
</tr>
<tr>
<td>MGT 581</td>
<td>Leadership &amp; Development</td>
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<tr>
<td>DSS 592</td>
<td>Business Statistics</td>
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<tr>
<td>BUS 582</td>
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<tr>
<td>MPE 710</td>
<td>Product Management</td>
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<td>Drug, Device Regulations</td>
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<td>MPE 660</td>
<td>Sales Management</td>
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<td>DSS 594</td>
<td>Data Analytics</td>
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<td>Marketing Research</td>
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<td>DSS 593</td>
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</tr>
<tr>
<td>MPE 720</td>
<td>Global Corporate Strategy</td>
<td>2</td>
</tr>
<tr>
<td>MPE 795</td>
<td>Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

Elective
Select one of the following:

- MPE 711 Pharmaceutical Strategy
- MPE 625 Creating Effective R & D

1 Must have completed 36 credits including all quantitative and foundation classes, as well as MPE 650 and MPE 710

Pharmaceutical & Healthcare Marketing Post Master’s Certificate

George P. Sillup, Ph.D., Chair, Pharmaceutical & Healthcare Marketing
Terese W. Waldron, Director
Kathleen Klarich, Market Development Manager/Program Administrator
Jeannine Kinney, Administrative Assistant

Mission Statement

The mission of Saint Joseph’s Pharmaceutical & Healthcare Marketing Post MBA/Masters and Advanced Certificates for Executives is to provide industry programs for all segments of the pharmaceutical, biotech, medical devices, diagnostics, allied partners and healthcare industries, delivering these programs to the life-long student in a flexible and convenient format within state-of-the-art environments.

Admissions Requirements and Procedures

Students are admitted through a rolling admission process. Students applying for admission to the Pharmaceutical & Healthcare Marketing Post MBA/Masters and Advanced Certificates for Executives must have an undergraduate and/or graduate transcript from an accredited college or university. Admissions criteria:

- a completed application form
- official undergraduate, and/or MBA/Master’s Degree transcripts. International students need an official course-by-course evaluation by World Education Services (WES) of graduate education
- a résumé
- 4 (four) years of pharmaceutical/healthcare, biotechnology or related industry experience

Foreign applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements should be made by writing directly to:

TOEFL
Box 6151
Princeton, NJ, U.S.A. 08541-6151

Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Center on the Saint Joseph’s University campus. A minimum score of 550 or 213 on computerized test on the TOEFL is required to take any courses in this program. An IELTS score of 6.5 or an official PTE score of 60 is also acceptable. Qualified students who complete Level 112 at the ELS Language Center and receive a strong, positive letter of recommendation from the Center can begin their graduate studies without the official TOEFL score. Applicants are also required to register with the World Education Services (WES) to have an official course-by-course evaluation of their graduate work. Additional information on WES transcript evaluation can be obtained by visiting them at www.wes.org (http://www.wes.org).
Tuition and Fees: Pharmaceutical Healthcare Marketing Post MBA/Masters and Advanced Certificates Executives

All students enrolled in the courses are charged on a per course basis. All charges are due and payable upon receipt of the invoice. Students can view their bills through their student accounts in The Nest. Corporations will be billed directly only when appropriate authorization has been made by the corporation. Please check with Hawk Central on procedures for corporate billing.

Students who are financially delinquent will forfeit the privilege of attending classes and the University has the right to withhold grades, transcripts, and diploma until such indebtedness is paid.

Fees are paid by check or money order, or they may be charged to Visa, MasterCard, or American Express. The following fees are in effect for the current academic year:

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Per 2 credit course</td>
<td>$3,078</td>
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<tr>
<td>Total for Certificate</td>
<td>$18,468</td>
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</table>

Academic Dismissal

Students enrolled in the Pharmaceutical & Healthcare Marketing for Executives Program who receive a grade of C or below for two (2) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so advised by letter. Students who receive a grade of C or below for ten (10) credit hours will be dropped from the program.

All students must maintain a 3.0 GPA in the program to be eligible for graduation. The Pharmaceutical & Healthcare Marketing MBA for Executives Program Director monitors student progress throughout the course of the program. The university reserves the right to request the withdrawal of any student when, in its judgment, the general good of the university requires it.

Location and Time of Courses

The two-day course format accommodates the personal and professional demands of individual students. Courses are offered nearly every weekend year round. Students may attend as often as their schedule permits, completing the degree requirements at their own pace.

Courses are offered at Chubb Conference Center, Lafayette Hill, Pa. (15 minutes from Main Campus) or other designated site. Each course is completed in a Friday/Saturday classroom session, along with a pre- and post-assignment. Capstone (MPE 795) is a three-day course offered on a Thursday, Friday and Saturday. Visit www.chubbconferencecenter.com (http://www.chubbconferencecenter.com) for more information.

Objectives

The objectives of the Pharmaceutical & Healthcare Marketing Post MBA/Masters and Advanced Certificates for Executives are:

- to provide managers and executives employed in the pharmaceutical, biotech, medical devices, diagnostics, allied partners and healthcare industries with advanced education and developmental experiences.
- to provide highly qualified faculty of Saint Joseph's University, complemented by domestic and international business and marketing experts retained as executive lecturers.
- to provide modular format for the delivery of business concepts and skills specific to this industry.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tr>
<td>BUS 582</td>
<td>Business Ethics</td>
<td>2</td>
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<td>MPE 610</td>
<td>Drug, Device Regulations</td>
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<tr>
<td>MPE 620</td>
<td>Supply Chain Management</td>
<td>2</td>
</tr>
<tr>
<td>MPE 625</td>
<td>Creating Effective R &amp; D</td>
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</tr>
<tr>
<td>MPE 630</td>
<td>Marketing Research</td>
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<td>Pharmacoeconomics</td>
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<td>Product Management</td>
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<td>MPE 711</td>
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<td>MPE 715</td>
<td>New Product Launch</td>
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<td>MPE 720</td>
<td>Global Corporate Strategy</td>
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<td>MPE 770</td>
<td>Independent Study</td>
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<td>MPE 780</td>
<td>Future Issues</td>
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<td>MPE 781</td>
<td>Health Policy</td>
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<td>MPE 795</td>
<td>Capstone</td>
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</tr>
<tr>
<td>DSS 593</td>
<td>Sales Forecasting</td>
<td>2</td>
</tr>
</tbody>
</table>

Inquiries:

Pharmaceutical Healthcare Marketing MBA for Executives
Ms. Kathleen Klarich
Mandeville Hal – MV 289l
Saint Joseph's University
5600 City Avenue
Philadelphia, PA 19131-1395
(610) 660-3155
Email: kklarich@sju.edu
Visit www.sju.edu/epharma
FINANCE

Department Overview
The Department of Finance offers majors and minors in Finance, and Risk Management & Insurance and a minor in Real Estate Finance. Each curriculum is rooted in financial theory and practice, and is updated frequently to reflect the rapid changes in technology and world economic conditions. Students in these majors develop excellent critical-thinking and problem-solving skills, in preparation for careers as financial decision-makers.

Professor: Ginette McManus, Ph.D.; Karen Hogan, Ph.D.
Associate: Amy F. Lipton, CFA, Ph.D.; Morris Danielson, Ph.D.; Rajneesh Sharma, Ph.D.
Assistant: Carolin Schellhorn, Ph.D.; Denver H. Travis Ph.D., CFA; Jackson D. Mills, Ph.D.; P. Daniel Jubinski, Ph.D.; Viktoriya Lantushenko
Visiting: Robert Dean, MBA, MS; Todd Erkis, FSA, CERA, MAAA

Chair: Hogan

Undergraduate
• Finance (p. 511)
• Financial Planning (p. 512)
• Risk Management & Insurance (p. 518)

Undergraduate Minors
• Finance (p. 512)
• Financial Planning (p. 514)
• Risk Management & Insurance (p. 519)
• Risk Management & Insurance for Actuarial Science Majors (p. 518)
• Real Estate Finance (p. 517)

Graduate
• Master of Science in Financial Services (p. 514)

Adult Undergraduate
• Finance (p. 510)
• Risk Management & Insurance (p. 517)

Post Baccalaureate Certificate
• Post Baccalaureate Certificate in Risk Management and Insurance (p. 473)

FIN 200 Intro to Finance (3 credits)
This course provides a survey of financial theory and practice as it relates to the management and valuation of firms. Topics include: organizational forms, the role of capital markets, the determination of interest rates, financial statement analysis, the time value of money, stock and bond valuation, risk and return, and capital budgeting. This course is a prerequisite for all other 200 to 400 level finance courses and is required for all business students. Prerequisites: ACC 101, ECN 101. Prerequisites: (ACC 101 or ACC 101 or HON 1773 or ACC 1015) and (ECN 1011 or ECN 101 or ECN 1015)
Attributes: Undergraduate

FIN 201 Markets and Institutions (3 credits)
This course covers the role and workings of financial markets: money and capital markets, mortgage markets, bond markets, stock markets, foreign exchange markets, and derivative markets. Interest rate theory and the term structure of interest rates are studied. Functions of the Federal Reserve System along with the foundations of monetary theory and policy are studied. The course also examines the management of assets and liabilities by financial institutions including commercial banks, insurance companies, mutual funds, and investment banking. Prerequisite: FIN 200.
Prerequisites: FIN 1341 or FIN 1345 or FIN 200
Attributes: Undergraduate

FIN 202 Finance Practicum (1 credit)
This course enables students working in the financial industry over the course of a semester to earn one credit hour. Students are required to fulfill all job requirements and to submit an 8 – 10 page paper describing their work responsibilities and the finance-related skills they acquired. To apply, the student needs to submit a letter describing the proposed practical training opportunity; approval is at the discretion of the Finance Department chair. Prerequisite/Co-requisite: FIN 200. Student’s major must be Finance. *Does not satisfy any major or minor Finance requirement. Does not satisfy any free elective credit. Grade will be Pass/ Fail. May be repeated once if the student has attained a grade of Pass in a previous semester and supervising instructor approves. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance.
Attributes: Undergraduate

FIN 300 Intermediate Finance (3 credits)
This course focuses on the financial management of fixed assets and long-term capital. Topics include capital budgeting, risk, CAPM, capital structure, cost of capital, dividend policy, asset valuation, and bankruptcy & reorganization. Prerequisites: FIN 200; DSS 210.
Prerequisites: (DSS 210 or DSS 1311 or DSS 1315 or MAT 1181 or MAT 118 or MAT 128 or MAT 322 or MAT 1281) and FIN 200 or FIN 1341
Attributes: Undergraduate
FIN 301 Investments (3 credits)
Students will learn how to: evaluate the potential risks and returns of investments and portfolios; perform fundamental equity analysis using economic, industry, and discounted cash flow analysis; value bonds; compute the price sensitivities of assets; understand diversification and the basics of portfolio asset allocation; and evaluate portfolio performance. Students are strongly urged to complete FIN 201 before taking FIN 301.
Prerequisites: (FIN 1341 or FIN 200 or FIN 1345) and (DSS 210 (may be taken concurrently) or DSS 1311 or DSS 1313 or DSS 1315 or MAT 1181)
Attributes: Undergraduate

FIN 302 International Finance (3 credits)
This course focuses on the following topics: balance of payments, international flow of funds, foreign investment, governmental and international agencies, and trade theory. Prerequisites: FIN 200, DSS 210
Prerequisites: FIN 200 and DSS 210
Attributes: Globalization Course (New GEP), Undergraduate

FIN 303 Small Business Finance (3 credits)
This course focuses on critical strategic and operational issues facing a small firm: how to raise capital in non-public markets from a spectrum of sources from angel investors, private equity, and the SBA; estimating cost of capital, credit policy and terms, liquidity and liquidity management, bank relations, valuation of the business, and exit strategies. Students are required to manage online simulated competing small businesses in teams and make presentations regarding their strategies and results. Prerequisites: FIN 200, DSS 210.
Prerequisites: FIN 200 and DSS 210
Attributes: Undergraduate

FIN 304 Honors Research (3 credits)
FIN 305 Honors Research (3 credits)
FIN 370 Topics in Finance (3 credits)
This course is designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.
Prerequisites: (FIN 200 and DSS 210
Attributes: Undergraduate

FIN 371 Topics in Finance (3 credits)
This course is designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.
Prerequisites: FIN 200 and DSS 210
Attributes: Undergraduate

FIN 372 Topics in Finance (3 credits)
This course is designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.
Prerequisites: FIN 200 and DSS 210
Attributes: Undergraduate

FIN 301 Investments (3 credits)
Students will learn how to: evaluate the potential risks and returns of investments and portfolios; perform fundamental equity analysis using economic, industry, and discounted cash flow analysis; value bonds; compute the price sensitivities of assets; understand diversification and the basics of portfolio asset allocation; and evaluate portfolio performance. Students are strongly urged to complete FIN 201 before taking FIN 301.
Prerequisites: (FIN 1341 or FIN 200 or FIN 1345) and (DSS 210 (may be taken concurrently) or DSS 1311 or DSS 1313 or DSS 1315 or MAT 1181)
Attributes: Undergraduate

FIN 400 Mergers & Acquisitions (3 credits)
This course covers theory and evidence concerning mergers & acquisitions and corporate control. It examines the accounting and valuation aspect of mergers & acquisitions activities, the M&A process, and reviewing the relevant historical empirical evidence. Mergers and acquisitions activity is evaluated in terms of the strategic alternatives faced by the firm. Cases are used and a graded team buy and sell deal negotiation simulation is required. Prerequisites: FIN 200, FIN 300, DSS 210.
Prerequisites: (FIN 2341 or FIN 201 or FIN 2345) and FIN 1341 or FIN 200 or FIN 1345 and (FIN 2401 (may be taken concurrently) or FIN 300 (may be taken concurrently) or FIN 2405 (may be taken concurrently))
Attributes: Undergraduate

FIN 401 Student Managed Funds (3 credits)
This course provides students an opportunity to manage investments. The objective is to earn risk-adjusted returns competitive with a benchmark index. The class decides early in the semester the style of investing and chooses the appropriate index for performance evaluation. Each student is a research analyst and a sector specialist and participates in the construction of the portfolio. Each sector is represented by a sector team. Also, each student has a functional role. FIN 402 Portfolio Management is also highly recommended
Prerequisites: FIN 301
Attributes: Undergraduate

FIN 402 Portfolio Management (3 credits)
This course covers the fundamentals of portfolio management. Topics include asset allocation, portfolio construction, performance evaluation, creating and using indexes, stock valuation models, and hedging with options and futures. Asset pricing theories, market anomalies and different styles of investing are emphasized. Market simulation and asset allocation software, databases, spreadsheet modeling and optimization programs are used. Prerequisites: FIN 200, FIN 301, DSS 210, Math ILC Requirement.
Prerequisites: FIN 200 and FIN 201 and FIN 301 and DSS 210
Attributes: Undergraduate

FIN 403 Derivative Securities (3 credits)
This course introduces students to the mathematical formulas and techniques used to value derivative securities including options forward and futures contracts, options on futures, swaps, and interest rate derivatives. Financial engineering and controlling risk are emphasized along with lessons learned from recent derivative-related losses. Prerequisites: FIN 200, FIN 301, DSS 210, Math ILC Requirement
Prerequisites: FIN 200 and FIN 201 and FIN 301 and DSS 210
Attributes: Undergraduate

FIN 470 Topics in Real Estate Finance (3 credits)
This course is an upper division course designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.
Prerequisites: FIN 200 and DSS 210
Attributes: Undergraduate

FIN 471 Advanced Topics in Finance (3 credits)
This course is an upper division course designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.
Prerequisites: FIN 200 and DSS 210 and FIN 301
Attributes: Undergraduate
FIN 493 Independent Research I (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of a finance topic. Acceptable Independent Study topics include traditional research/reading programs, as well as rigorous pre-approved internship programs with an appropriate academic component as defined by the Department Chair. Prerequisites: FIN 200, DSS 210, at least Junior standing, and permission of the Department Chair. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance. Attributes: Undergraduate

FIN 494 Independent Research II (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of a finance topic. Acceptable Independent Study topics include traditional research/reading programs, as well as rigorous pre-approved internship programs with an appropriate academic component as defined by the Department Chair. Prerequisites: FIN 200, DSS 210, at least Junior standing, and permission of the Department Chair. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance. Attributes: Undergraduate

FIN 500 Managerial Economics (3 credits)
This course familiarizes students with the basic concepts, the language and the analytical tools of microeconomic and macroeconomic theory in order to enhance decision-making in business and finance. The course is divided into two parts. The first part focuses on the component parts of our economic system: consumers, workers, production enterprises, governments, and the interactions of these entities in markets where the prices of outputs and inputs are determined. The second part covers aggregate economic activity and looks at the problems of inflation and unemployment. It analyzes the role of government in controlling the growth of the economy, the theory of money and banking, and the role of the Federal Reserve System. Restrictions: Enrollment is limited to Graduate level students.

FIN 501 Economics Foundation (2 credits)
This course will familiarize the student with economic analysis: the determination of microeconomic variables, such as the price of a product with its output in individual markets and the determination of macroeconomic variables, such as GNP, the rate of inflation and the rate of unemployment. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

FIN 503 Financial Management (3 credits)
This course is an introduction to finance and lays the background for future courses. Topics include the financial environment, including the role of capital markets, determination of interest rates, financial analysis, time value of money, risk and return, and valuation. Prerequisites: FIN 500, DSS 500. Prerequisites: (FIN 500 or HSB Waiver with a score of FN500) and (DSS 500 or HSB Waiver with a score of DSS500) Restrictions: Enrollment is limited to Graduate level students.

FIN 504 Finance Foundation (2 credits)
The first course MPE 6004 builds on the material presented in the accounting module. We move from the presentation of the balance sheet, income statement, and statement of cash flows to an analytical framework of these statements employing ratios. We examine the informational content of the ratios both cross-sectionally and in the times series. In addition, we develop the common sized ratio process. We then build on this knowledge by using the ratios to project pro forma statements and examine the consequences of those projections. The module continues with an examination of the cash budgeting process, and concludes with the development of the time value of money concepts. It is strongly recommended that ACC 510 be taken prior to FIN 504. Prerequisite – FIN 501. Restrictions: Enrollment is limited to Graduate level students.

FIN 509 Curricular Practical Training (1 credit)

FIN 550 Shareholder Value Management (3 credits)
This course covers the concepts and practices of value-based financial management. Selected topics include financial analysis and forecasting, application of time value of money, valuation and stock market signals to management, introduction to risk and modern portfolio theory, capital budgeting, options, cost of capital, and capital structure. This course emphasizes value creation and the role of domestic and international financial management in facilitating this process. Prerequisites: ACC 500 and FIN 503, DSS 510. ACC 550 and DSS 560 are highly recommended for traditional MBA students. Prerequisites: (FIN 503 or HSB Waiver with a score of FN503) and (ACC 500 or HSB Waiver with a score of AC500) and (DSS 510 or HSB Waiver with a score of DSS10) Restrictions: Enrollment is limited to Graduate level students.

FIN 551 Managerial Finance (2 credits)
This course picks up with a review of the WACC and applies this to the capital budgeting process. In this module, cash flow projections are developed as well as initial outlay concepts. The NPV and IRR rules are developed and extended to a general decision making framework. The last section of the module focuses on the concepts of firm valuation and the effects of leverage on the organization. Prerequisite FIN 504. Prerequisites: MPE 6004 or FIN 504 or MPE 6004 Waiver Score with a score of 1 or FIN 504 Waiver Score with a score of 1 or HSB Waiver with a score of FN504 Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

FIN 552 Managerial Finance I (2 credits)

FIN 553 Managerial Finance II (2 credits)
FIN 600 Fin Institutions & Capital Mkt (3 credits)
This course is designed to expose the student to the operations of financial markets and financial institutions which exist within the U.S. financial system. Topics include the diverse financial markets, the major financial securities traded in these markets and their properties, the behavior of interest rates, key characteristics and regulations of major financial institutions, including their risk exposures and various strategies to manage these risks. Prerequisite: FIN 550. Prerequisites: (FIN 4025 or FIN 550 or MBA 4315) Restrictions: Enrollment is limited to Graduate level students.
FIN 601 Personal Financial Planning (3 credits)
Personal Financial Planning is designed to provide those students who will be dealing with individuals rather than a business entity as a career, an understanding of the problems and concerns that arise in an individual's life cycle. Students will learn how to reach appropriate decisions regarding the allocations of personal wealth between current consumption and future consumption. Current consumption decisions would include discussions of metrics covering the optimal consumption pattern for major purchases, e.g. houses and automobiles, more routine purchases, such as insurance coverage. In addition, the course will examine the appropriate use of credit, either through standard loan contracts or the use of credit cards. There will also be a discussion of the existing consumer protection laws and their effect on individual consumption patterns. Future consumption allocations will include a discussion of metrics involved in reaching optimal decisions regarding long-term health care, retirement, and estate planning. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 602 Portfolio Management (3 credits)
This course covers the theory and practice of portfolio management. Topics include capital market models, risk assessment, performance evaluation, mutual funds, international diversification, and managing risk with derivative securities. Recent empirical evidence is also covered. Prerequisite: FIN 550.
Prerequisites: (FIN 4025 or FIN 550 or MBA 4315)
Restrictions: Enrollment is limited to Graduate level students.

FIN 603 Tax Plan Mgmt Decision Making (3 credits)

FIN 604 Personal Insurance Planning (3 credits)
This course covers the theory and practice of portfolio management. Topics include capital market models, risk assessment, performance evaluation, mutual funds, international diversification, and managing risk with derivative securities. Recent empirical evidence is also covered. Prerequisite: FIN 550.
Prerequisites: FIN 550 or MBA 4315
Restrictions: Enrollment is limited to Graduate level students.

FIN 605 Pensions & Benefits Admin (3 credits)
This course is intended to provide students with a basic understanding of the various pension and employee benefit plans available in the workplace. Emphasis will be placed on preparing professionals to make informed decisions about what types and designs of plans are best for their company or client and about how they can best administer their chosen benefit package. Pre-requisite: FIN 550.
Prerequisites: (FIN 550 or FIN 4025 or MBA 4315)
Restrictions: Enrollment is limited to Graduate level students.

FIN 606 Estate Planning (3 credits)
This course will begin with an overview of basic gift, estate, and generation-skipping-transfer tax law. Fundamental estate and gift areas will be covered as well as basic estate planning documents and estate devices. The student will become aware of how to apply these areas to real-life cases. The second half of the course will be a more in-depth examination of the tools and techniques of estate planning based on the transfer tax rules taught in the first half of the course. This course will cover in great detail the estate planning techniques for lifetime gifts as well as life insurance planning and estate planning for qualified plans and IRA’s. Other areas to be discussed will include ownership of family business entities and limited liability companies. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 607 Risk Management (3 credits)
This course is designed to apply the theories and techniques taught in Finance to the complex and specific needs of managing financial risk in the financial services industry. The course will provide an overview of the banking and insurance markets and their products. In addition, several valuation and risk management tools and models designed to measure and manage equity risk, interest-rate risk, and default risk in the financial services sector of the economy will be introduced and implemented. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 608 Advanced Financial Management (3 credits)
This course covers the theory and practice associated with the management of long-term assets and long-term capital. Topics include evaluating investment opportunities, single period, multi-period, certainty, uncertainty, risk analysis, capital structure, dividend policy, cost of capital, and firm valuation. Prerequisite: FIN 550.
Restrictions: Enrollment is limited to Graduate level students.

FIN 609 International Finance (3 credits)
This course describes and analyzes the structure and function of international money and capital markets with special consideration for the economics of foreign exchange markets, export/import finance, international financial institutions, Euromarkets, alternative forms of international monetary structure and comparative financial structures. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 610 Security Analysis & Investment (3 credits)
This course examines security valuation techniques. Topics include fundamental and technical analysis of stocks, bonds, and derivative securities. Earnings estimation, as well as assessing the risk and values of individual securities, including options. Prerequisite: FIN 550.
Prerequisites: (FIN 4025 or FIN 550 or MBA 4315)
Restrictions: Enrollment is limited to Graduate level students.

FIN 611 Mergers and Acquisitions (3 credits)
This course will cover the theory and evidence concerning mergers and Acquisitions and the market for corporate control. It will examine the accounting and evaluation aspect of mergers and acquisitions activities, discuss the alternative theories of mergers and acquisitions, and review the relevant empirical test. Mergers and acquisitions activity is evaluated in terms of the strategic alternatives faced by the firm. Restructuring, leveraged buyouts, share repurchases, and takeover defenses etc. are also studied not only from a Finance perspective but also from a strategic perspective. Prerequisite: FIN 550.
Prerequisites: FIN 550 or FIN 4025 or MBA 4315
Restrictions: Enrollment is limited to Graduate level students.

FIN 612 Derivative Markets (3 credits)
Derivatives are financial instruments whose returns are derived from those of other financial instruments. Derivatives can be based on real assets, such as agricultural commodities, metals, and sources of energy, or financial assets, such as stocks. This course is designed to have students learn about the characteristics of the institutions and markets where these instruments trade, the manner in which derivative prices are determined, and the strategies for the effective use of the instruments. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.
FIN 614 Acct, Fin, & Econ Health Care (3 credits)
In this case-based course, students will improve their decision making abilities through the logical applications of accounting, financial and economic concepts of health care. Topics covered will include external financial reporting, management control decisions, cash flow management, operational budgeting and comparative analysis of various health care systems. The non-profit and international health care viewpoints will also be explored. Prerequisite: FIN 550.
Prerequisites: FIN 550 or FIN 4025 or MBA 4315
Restrictions: Enrollment is limited to Graduate level students.

FIN 620 Fin Plan Dev&Presentn Capstone (3 credits)
This course will require students to synthesize and apply elements comprehensive financial planning concepts and techniques to client circumstances. The course will require students to perform all functions of the financial planning process. This course is part of the course sequence that fulfills the education requirements to sit for the CFP® certification examination and is especially beneficial for those individuals who are pursuing the CFP® certification. Prerequisite: FIN 601 and FIN 605.
Prerequisites: FIN 601 and FIN 605
Restrictions: Enrollment limited to students in the MSFINS program.

FIN 624 Intro to Markets & Investments (2 credits)
The main objective of this course is to provide the student with a sound understanding of both the theory and practice associated with Investments. Topics included in this course are Financial Markets and Instruments, Risk and Return, Efficient Diversification, Capital Asset Pricing Theory, Arbitrage Pricing Theory, Performance Evaluation and Active Portfolio Management, and Efficient Markets. In addition, the course looks to improve your use of technology in an investment analysis setting by spending time in the trading room working with multiple financial data packages.

FIN 770 Special Topics in Finance (3 credits)
The topics course covers subjects of current interest in the field of finance. Specific topics will be announced in the course schedule. Prerequisite: FIN 550.
Restrictions: Enrollment is limited to Graduate level students.

FIN 773 Internship (3 credits)

Post-Masters Certificate in Financial Planning
Students who have received an MBA degree but do not have the requisite coursework to sit for the CFP exam can earn a Post-Masters Certificate in Financial Planning. This Certificate program requires the completion of the seven CFP registered courses. Saint Joseph's University's Post-Masters Certificate in Financial Planning is registered with Certified Financial Planner Board of Standards Inc. (CFP)* as an approved education program. Successful completion of this certificate program satisfies the CFP Board's education requirement, allowing an individual to sit for the CFP Certification Examination. Please contact the Program Director for admission requirements and further details.

* Saint Joseph's University does not certify individuals to use the CFP®, Certified Financial Planner™ and flame logo marks. CFP certification is granted solely by Certified Financial Planner Board of Standards Inc. to individuals who, in addition to completing and educational requirement such as this CFP Board-Registered Program, have met ethics, experience and examination requirements.

Finance B.B.A.

HDC General Education Program (GEP) Requirement
(See Curricula (p. 464.).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104</td>
<td>Adult Student Seminar Selection</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad or THE 221 Intro to the New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Theology: Religious Difference course</td>
<td>3</td>
<td></td>
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<tr>
<td>Faith and Reason course</td>
<td>3</td>
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<td>Select the following:</td>
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</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td></td>
</tr>
<tr>
<td>XXX 104: Adult Student Seminar Selection</td>
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<td></td>
</tr>
<tr>
<td>XXX 104: Adult Student Seminar Selection</td>
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</tbody>
</table>

Additional course from approved list

Business Foundation Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh or MGT 120 Essentials of Management</td>
<td>3</td>
</tr>
</tbody>
</table>

1 List of approved courses varies by major.
Finance Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 201</td>
<td>Markets and Institutions</td>
<td>3</td>
</tr>
<tr>
<td>FIN 300</td>
<td>Intermediate Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td>One 300-400 level FIN course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Choose 1 400 FIN elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Choose 300-400 level course in FIN, FPL, RMI, or REF</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Note: Finance majors require two ILC courses and have a total of 6 additional free electives.

Finance Major

The Finance major introduces students to the financial decision-making process as it is applied within both large and small enterprises, and as it is practiced by investment professionals. The Finance major provides students with the flexibility to choose careers in corporate financial management, treasury management, investor relations, securities analysis/sales, portfolio management, mutual fund research, and financial markets analysis.

Learning Goals and Objectives Finance Major

Goal 1: Functional finance skills

Objective 1.1: Students will learn the concepts and tools necessary to value assets.

Goal 2: Critical Thinking skills

Objective 2.1: Students will learn the skills to examine and evaluate the validity of assumptions.

Goal 3: Communication Skills

Objective 3.1: Students will learn to make recommendations that are clearly and effectively supported by analysis in written reports.

Goal 4: Jesuit Traditions

Objective 4.1: Students will understand the role of Ignatian values in financial decision-making.

All students majoring in Finance must complete the following GEP requirements (please see section on the General Education Programs for details).

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.
Electives in major – Class of 2018 or Declaration of Major 2015 or later

Three courses, including a Finance Elective, a Flexible Elective, and an Advanced Finance Elective, are required:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 302</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 303</td>
<td>Small Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 304</td>
<td>FIN 305 Honors Research in Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 370</td>
<td>FIN 379 Topics in Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 400</td>
<td>Mergers &amp; Acquisitions</td>
<td>3</td>
</tr>
<tr>
<td>FIN 401</td>
<td>Student Managed Funds</td>
<td>3</td>
</tr>
<tr>
<td>FIN 402</td>
<td>Portfolio Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 403</td>
<td>Derivative Securities</td>
<td>3</td>
</tr>
<tr>
<td>FIN 470</td>
<td>FIN 479 Advanced Topics in Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 493</td>
<td>FIN 494 Individual Research in Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Flexible Elective

Select one from any 300- or 400-level FIN, RMI or REF course: 4, 5

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 302</td>
<td>Commercial Real Estate Valuation</td>
<td>3</td>
</tr>
<tr>
<td>FIN 303</td>
<td>Residential Loans &amp; Investments</td>
<td>3</td>
</tr>
<tr>
<td>FIN 400</td>
<td>Commercial Real Estate Dev</td>
<td>3</td>
</tr>
<tr>
<td>RMI 301</td>
<td>Corporate Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>RMI 310</td>
<td>Insurance Company Operations</td>
<td>3</td>
</tr>
<tr>
<td>RMI 320</td>
<td>Alternate Risk Financing</td>
<td>3</td>
</tr>
<tr>
<td>RMI 370</td>
<td>RMI 379 Topics in Risk Management &amp; Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 400</td>
<td>Underwriting</td>
<td>3</td>
</tr>
<tr>
<td>RMI 410</td>
<td>Enterprise Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>RMI 470</td>
<td>RMI 479 Advanced Topics in Risk Management &amp; Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 493</td>
<td>RMI 494 Individual Research in Risk Management &amp; Insurance</td>
<td>3</td>
</tr>
</tbody>
</table>

Advanced Finance Elective

Select one from any 400-level FIN Course:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 400</td>
<td>Mergers &amp; Acquisitions</td>
<td>3</td>
</tr>
<tr>
<td>FIN 401</td>
<td>Student Managed Funds</td>
<td>3</td>
</tr>
<tr>
<td>FIN 402</td>
<td>Portfolio Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 403</td>
<td>Derivative Securities</td>
<td>3</td>
</tr>
<tr>
<td>FIN 470</td>
<td>FIN 479 Advanced Topics in Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 493</td>
<td>FIN 494 Individual Research in Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

1. The Finance Department recommends that students who satisfy the GEP Math Beauty requirement by taking either MAT 155 or MAT 161 take the second course in the sequence (MAT 156 or MAT 162) as the second FIN ILC course. However, if the Calculus course satisfies the GEP Math Beauty requirement the student may take Microeconomics and any two courses from the College of Arts and Sciences to satisfy the three course FIN ILC requirement. All FIN majors must take at least one Calculus course (MAT 119, MAT 123, MAT 155, or MAT 161) unless they have placed out with a 4 or 5 on the AP Calculus Exam or transfer credit in Calculus from another university.

2. For ILC #3, students may take one additional course (excluding first year seminars) in the College of Arts and Sciences

3. 400-level courses have one or more 300-level courses as prerequisites (see Course Descriptions for details).

4. A 300 or 400-level RMI course satisfies one course toward the RMI Major; a 300 or 400-level REF course satisfies one course toward the Real Estate minor, but Finance majors completing the Real Estate minor must take an additional 300 or 400 level FIN course to substitute for FIN 300 in the minor.

5. Students may also choose either ACC 315 Federal Income Taxation OR ACC 410 Financial Statement Analysis (not both) for this Elective.

6. 400-level courses have one or more 300-level courses as prerequisites (see Course Descriptions for details).

Finance Minor

The objective of the Finance minor is to provide students with an introduction to the major aspects of finance. The minor can serve as a complement to other Business majors, since all types of business decisions have a financial component.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 201</td>
<td>Markets and Institutions</td>
<td>3</td>
</tr>
<tr>
<td>FIN 300</td>
<td>Intermediate Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Investments</td>
<td>3</td>
</tr>
</tbody>
</table>

One Finance elective:

This elective must be a 300- or 400-level FIN course. RMI, REF, or FPL courses cannot be used to satisfy the requirements of the FIN minor unless approved by the Finance Department chair.

The first two courses in the Finance minor are in the Business core: Concepts of Financial Accounting (ACC 101) and Introduction to Finance (FIN 200). These two courses can be double-counted toward a Business student’s major, and do not have to be replaced with additional courses for the minor. Students are responsible for completing all prerequisites to the courses required for the minor. The FIN minor requires students to complete four FIN courses above the introductory level. These courses cannot be double counted in the student’s major.

Financial Planning Major

The Financial Planning major is designed to fulfill the education coursework requirement for CFP® certification. The financial planning curriculum is part of a CFP® Board-Registered Program, one of the first financial planning programs housed in an AACSB accredited business school. The Financial Planning major is appropriate for individuals
who wish to work in the broad area of financial services and wealth management. Financial Planning students may pursue careers as financial planners, investment advisers, wealth managers, private bankers, insurance agents, stock brokers, retirement plan administrators, or in a variety of capacities that support these careers. Students who want to be better prepared to manage their own financial affairs will also find this major appealing and applicable.

Learning Goals and Objectives Financial Planning Majors

**Goal 1: Functional Financial Planning Skills**

**Objective 1.1:** Students majoring in financial planning will be competent in performing capital needs analyses necessary for analyzing the financial situation of a client in helping them accomplish their financial goals.

**Goal 2: Critical Thinking Skills**

**Objective 2.1:** Students majoring in financial planning will think critically and analytically in examining and evaluating the use and validity of assumptions as they analyze the financial situation of a client.

**Goal 3: Communication Skills**

**Objective 3.1:** Students majoring in financial planning will demonstrate effective oral communication skills for use in working with clients and other professionals.

**Goal 4: Jesuit Traditions**

**Objective 4.1:** Students majoring in financial planning will be able to identify ethical conflicts in client-planner relationships and find ways to properly manage to those conflicts.

All students majoring in Financial Planning must complete the following GEP requirements (please see section in the catalog on the General Education Program for details).

*The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:*

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

### General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

### General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

### General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

---

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILC #1</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECN 102</td>
<td>Applied Business Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MAT 119</td>
<td>Differential Calculus</td>
<td>4</td>
</tr>
<tr>
<td>LAW 314</td>
<td>Trusts &amp; Estate Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

1. The Finance Department recommends that students who satisfy the GEP Math Beauty requirement by taking either MAT 155 or MAT 161 take the second course in the sequence (MAT 156 or MAT 162) as the second FPL ILC course. However, if the Calculus course satisfies the GEP Math Beauty requirement the student may take Macroeconomics, LAW 314, and any other courses from the College of Arts and Sciences to satisfy the three course FPL ILC requirement. All FPL majors must take at least one Calculus course (MAT 119, MAT 123, MAT 155, or MAT 161) unless they have placed out with a 4 or 5 on the AP Calculus Exam or transfer credit in Calculus from another university.

2. For the third ILC course, students may take an alternative course from the College of Arts and Sciences (excluding first year seminars) with the approval of the Finance Department Chair if LAW 314 is not offered.

### Free Electives

Six courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

### Major Requirements

#### Major Concentration

Required Courses – Class of 2018, 2019, 2020 or Declaration of Major 2015 or 2016 (six (6) courses)

*This major applies to students who entered as declared Financial Planning majors in the Classes of 2018, 2019, or 2020, or Class of 2017 students who declared the Financial Planning major in 2015 or 2016. These students may be able to complete a Masters of Science in Financial Services over a 5-year period. Please consult the Finance Department Chair for further information.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPL 200</td>
<td>Personal Financial Planning</td>
<td>3</td>
</tr>
<tr>
<td>FPL 300/FIN 605</td>
<td>Retirement Plan</td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Investments</td>
<td>3</td>
</tr>
</tbody>
</table>
Financial Planning Minor

The objective of the Financial Planning minor is to provide students with an introduction to the financial planning industry. The minor is not registered with CFP Board, although many of the courses can be used towards fulfilling the education coursework requirement for the CFP® certification. The FPL minor requires students to complete four specialization courses; as such, only two courses can also be counted towards a different major or minor.

Required Courses – Class of 2018, 2019, or 2020 or Declaration of Minor 2015 or 2016: (three courses)

This minor applies to students who entered as declared Financial Planning majors in the Classes of 2018, 2019, or 2020, or Class of 2017 students who declared the Financial Planning major in 2015 or 2016. These students may be able to complete a Masters of Science in Financial Services over a 5-year period. Please consult the Finance Department Chair for further information.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPL 200</td>
<td>Personal Financial Planning</td>
<td>3</td>
</tr>
<tr>
<td>FPL 300/FIN 605</td>
<td>Retirement Plan</td>
<td>3</td>
</tr>
<tr>
<td>FPL 495/FIN 620</td>
<td>Financial Planning Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Elective Course

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any FPL course not already required</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Investments</td>
<td></td>
</tr>
<tr>
<td>RMI 200</td>
<td>Introduction to Insurance</td>
<td></td>
</tr>
</tbody>
</table>

Broad Elective Courses

Select two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any FPL course not already required</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FIN 301</td>
<td>Investments</td>
<td></td>
</tr>
<tr>
<td>RMI 200</td>
<td>Introduction to Insurance</td>
<td></td>
</tr>
<tr>
<td>LAW 314</td>
<td>Trusts &amp; Estate Administration</td>
<td></td>
</tr>
<tr>
<td>ACC 315</td>
<td>Federal Income Taxation</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td></td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td></td>
</tr>
<tr>
<td>LIN 340</td>
<td>Communication in Soc Contexts</td>
<td></td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 233</td>
<td>Adulthood and Aging</td>
<td></td>
</tr>
<tr>
<td>PSY 226</td>
<td>Psychology of Emotion</td>
<td></td>
</tr>
<tr>
<td>SOC 218</td>
<td>Social Gerontology</td>
<td></td>
</tr>
<tr>
<td>SOC 358</td>
<td>Consumr Cult &amp; Globl Persptc</td>
<td></td>
</tr>
</tbody>
</table>

Financial Services Program M.S.

Ervan K. Haub School of Business
Karen Hogan, Ph.D. Chair, Finance
Jeannine Lajuenesse, M.B.A., Program Director
Kate Sonstein, M.B.A., Program Manager, Recruiter
Lauren DiNuzzo, Program Administrator, Student Support

Mission

This innovative graduate program provides professionals with the tools, theory, and practical knowledge to engage in professional financial planning services and financial analysis.

Admissions Requirements and Procedures

- A completed application form
- Non-refundable $35 application fee
- Official transcripts indicating receipt of a baccalaureate degree from an accredited college or university;
- Two (2) letters of recommendation from former professors and/or employers
- A written statement or essay of academic and career goals
- A résumé
- Official scores on Graduate Management Admission Test (GMAT) scores or Graduate Record Examinations (GRE); Scores on the GMAT or GRE must have been taken within seven years of the student’s application; applicants with at least three years of professional experience and a CFP® or a CFA professional certification will be exempt from the GMAT or GRE. Applicants holding a CPA will also be exempt. Applicants holding other professional certifications with at least five years of professional experience may request a personal interview as a substitute for the GMAT/GRE requirement.

International applicants are no longer required to submit a credentials evaluation—transcript evaluations will be performed by Admissions staff. However, applicants already possessing a course-by-course evaluation of their transcripts are encouraged to submit this in place of original transcripts. For those who do not possess a course-by-course evaluation, an official record of all college and university academic studies and results of state and/or national examinations taken are required. Academic records must include the name of each individual course, the grade earned, and the grading scale used. Documents must be submitted in one’s native language with an official English translation.

The Graduate Operations Office performs all international credential evaluations. Foreign documents, credentials and transcripts must be official (sealed and sent directly from the institution). Only originals or photocopies officially stamped and attested by a school official (Registrar, Principal, or Controller of Examinations) are accepted. Faxes, scanned or notarized copies or copies attested by a department head cannot be accepted as official. All credentials submitted to the Graduate Operations Office become property of the University and cannot be returned.

Applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements should be made by writing directly to:

TOEFL
Box 6151
Princeton, NJ, U.S.A. 08541-6141

Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Center on the Saint Joseph’s University campus. A minimum score of 550, internet based TOEFL 80, or 213 on computerized test on the TOEFL is required to take any course in the Program. An official IELTS score of 6.5 or an official PTE score of 60 is also acceptable. Qualified students who complete Level 112
Retention Policies

Grading, Probation, Dismissal, and Failure
The grading system in effect at Saint Joseph’s University will apply to courses in the Master of Science Program. As per University guidelines for graduate study, a student enrolled in a Master of Science program who receives a single grade of C or below for three (3) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so notified in writing. Students who receive a grade of C or below for nine (9) credit hours will be dismissed from the program.

Graduate students must fulfill all credit hour requirements for the Master of Science degree. Each candidate for graduation must have at least a 3.0 cumulative GPA, no more than two grades of C, and no F grades outstanding in order to be certified for graduation. The student, with support from the Program Director and Student Records Offices, is responsible for monitoring their own academic progress throughout the course of the program.

Retention Processes and Policies
Students enrolled in the M. S. in Financial Services Program have six years to complete their M.S. degree from Saint Joseph’s University. This six-year limit begins with the student’s first 550 level course registration. Extensions beyond this limit can only be made with the approval of the Dean, and only for unusual and serious circumstances.

Students who exceed the time limit to complete the M.S. Program will be dismissed from the program. Such students may reapply for admission into the program as new students and start the program with no credit from the previous courses taken.

Graduation/Commencement Policies
Students must complete all course requirements prior to graduation. Upon petition to the Dean, students may be permitted to take part in commencement exercises if they will be completing their graduate studies by August.

Financial Assistance
A limited number of graduate assistantships are available to students who have been admitted into the program. In exchange for carrying out assigned duties in the Department, students receive tuition assistance as well as a monthly stipend. For more information, please contact the Graduate Business Programs Office.

Inquiries:
Jeaninne Lajeunesse, M.B.A., Director
280 Mandeville Hall
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131-1395
Phone: (610) 660-1626
Fax: (610) 660-1599
E-mail: jeannine.lajeunesse@sju.edu
Internet: http://www.sju.edu/academics/hsb/grad/msfs

MS Financial Services (MSFS) Learning Goals and Objectives (Traditional and On-Line)

Stakeholder Value/Functional: Students will demonstrate understanding of financial tenets: the risk-return trade-off; the time value of money; cash flow vs. profits; efficient capital markets; taxes bias business decisions; risk and diversification.

Problem Solving/Critical Thinking: Students will develop critical thinking skills, that is, the process of conceptualizing, applying, analyzing, synthesizing, and/or evaluating information as the basis for solving problems and making decisions.

Interpersonal/Communication skills: Students will enhance the interpersonal skills needed for success within organizations, including an understanding of self and others, and building productive teams. Students will demonstrate the ability to correspond effectively and persuasively in a business format, communicate effectively with individuals and within teams, and present to both individuals and groups clearly and convincingly.

Ignatian Values: Students will develop an understanding of and ability to apply the Ignatian values of: a commitment to rigorous education and lifelong learning; an insistence upon ethical decision making; a desire for social justice; and a care and concern for others.

Program-Specific I - Practical Financial Knowledge: Students will gain exposure to independent problem solving, research and financial planning in a real world context. Students will gain proficiency with the concepts and applications of federal income taxation, estate and gift planning, pensions and retirement planning, financial planning and investing. Students will be able to synthesize the elements of comprehensive financial planning. Students will increase their knowledge of how the planning process is made operative in a variety of contexts.

Program-Specific II - Knowledge of Financial Tools: Students will understand time value concepts and be able to apply appropriate concepts to given circumstances. Students will have operational knowledge of financial calculators. Students will have a proficiency in use of spreadsheets.

Curriculum
The Master of Science in Financial Services degree requires completion of 30 to 41 credits with a cumulative GPA of 3.0 or better in courses taken at SJU. The degree can be completed in 30 credits (10 classes) by completing the Advanced Program if the Foundation Requirements can be met through acceptable undergraduate transfer credit, challenge, or CLEP exams. Students granted a business administration bachelor’s degree from an AACSB accredited program within 10 years of beginning the MS program normally take 30 semester credits to complete their degree. Courses carry three semester credits unless otherwise noted.

All course prerequisites must be satisfied prior to enrolling in a given course; prerequisites are indicated in the section on Course Descriptions. Students may be admitted to Advanced Program courses before completion of the entire Foundation Program, but must complete the Foundation Program by the time that twelve (12) credits have been earned in the Advanced Program. Students may transfer up to a maximum of six credits from outside Saint Joseph’s University. The Math
Proficiency Requirement may be met by taking DSS 500 (one course), CLEP College Algebra exam, or a challenge exam.

Seven courses in the MSFS program satisfy the education requirements of the CFP® certification examination and have been registered as such by the CFP Board. These courses are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 601</td>
<td>Tax Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 601</td>
<td>Personal Financial Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 602</td>
<td>Portfolio Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 604</td>
<td>Personal Insurance Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 605</td>
<td>Pensions &amp; Benefits Admin</td>
<td>3</td>
</tr>
<tr>
<td>FIN 606</td>
<td>Estate Planning</td>
<td>3</td>
</tr>
<tr>
<td>FIN 620</td>
<td>Fin Plan Dev&amp;Presentn Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

The seven courses cover the complete topic list required by the CFP Board. For maximum benefit, the courses should be taken so that the first in the sequence is FIN 601, and the last three in the sequence are FIN 605, FIN 606, and FIN 620, in that order. The curriculum in the first four courses is essential to make the completion of the retirement, estate, and capstone courses both easier and more meaningful.

Saint Joseph's University does not certify individuals to use the CFP®, CERTIFIED FINANCIAL PLANNER and CFP® certification marks. CFP certification is granted only by the Certified Financial Planner Board of Standards Inc. to those persons who, in addition to completing an educational requirement such as this CFP Board-Registered Program, have met its ethics, experience and examination requirements.

**Foundation Requirements**

11 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 500</td>
<td>Acc, Bus Anlyss and Fin Report</td>
<td>3</td>
</tr>
<tr>
<td>DSS 500</td>
<td>Math for Grad Business Studies</td>
<td>1</td>
</tr>
<tr>
<td>DSS 510</td>
<td>Statistics Proficiency</td>
<td>1</td>
</tr>
<tr>
<td>FIN 500</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 503</td>
<td>Financial Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Students may demonstrate their mathematics proficiency by taking the CLEP College Algebra exam or a challenge exam. Those students who do not have a proficiency in mathematics will be required to successfully complete DSS 500, a one credit math workshop. Students who have taken six credits of Business Math or three credits of Calculus and have scored sufficiently in the quantitative section of the GMAT/GRE will receive a waiver for DSS 500, Math for Graduate Business Studies.

All students will be required to take the Aleks placement exam to measure their proficiency in statistics before the end of their first semester. Students who have received an 80% or above in the Aleks Placement exam will receive a waiver for DSS 510 Statistics Proficiency.

Students who have taken six credits of Business Math or three credits of Calculus and have scored sufficiently in the quantitative section of the GMAT/GRE will receive a waiver for DSS 500, Math for Graduate Business Studies.

**Advanced Program Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 550</td>
<td>Shareholder Value Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 600</td>
<td>Fin Institutions &amp; Capital Mkt</td>
<td>3</td>
</tr>
<tr>
<td>FIN 602</td>
<td>Portfolio Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Finance Elective Courses**

Select seven of the following: 21

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 601</td>
<td>Tax Planning</td>
<td>1</td>
</tr>
<tr>
<td>ACC 602</td>
<td>Financial Statement Analysis</td>
<td></td>
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<tr>
<td>FIN 601</td>
<td>Personal Financial Planning</td>
<td>1</td>
</tr>
<tr>
<td>FIN 604</td>
<td>Personal Insurance Planning</td>
<td>1</td>
</tr>
<tr>
<td>FIN 605</td>
<td>Pensions &amp; Benefits Admin</td>
<td>1</td>
</tr>
<tr>
<td>FIN 606</td>
<td>Estate Planning</td>
<td>1</td>
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<tr>
<td>FIN 607</td>
<td>Risk Management</td>
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<tr>
<td>FIN 608</td>
<td>Advanced Financial Management</td>
<td></td>
</tr>
<tr>
<td>FIN 609</td>
<td>International Finance</td>
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<tr>
<td>FIN 610</td>
<td>Security Analysis &amp; Investment</td>
<td></td>
</tr>
<tr>
<td>FIN 611</td>
<td>Mergers and Acquisitions</td>
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</tr>
<tr>
<td>FIN 612</td>
<td>Derivative Markets</td>
<td></td>
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<tr>
<td>FIN 620</td>
<td>Fin Plan Dev&amp;Presentn Capstone</td>
<td>1</td>
</tr>
<tr>
<td>FIN 770-FIN 779: Topics in Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT 552</td>
<td>Stakeholder Theory &amp; Soc Resp</td>
<td></td>
</tr>
</tbody>
</table>

1 Satisfies the education requirements of the CFP® certification examination and have been registered as such by the CFP Board.

**CFP® Certification**

Our CERTIFIED FINANCIAL PLANNER™ Certificate Program has been specifically designed for students who have already earned an MBA degree, but do not have the requisite coursework to sit for the CFP exam.

Saint Joseph's University's Certificate in Financial Planning is registered with Certified Financial Planner Board of Standards Inc. (CFP) Board® as an approved education program. Certified Financial Planner® certification is the most recognized professional certification for financial planners, demonstrating expertise in the field and adherence to rigorous standards. As a CFP Board-Registered Program, successful completion of the Saint Joseph's University's Certificate in Financial Planning satisfies CFP Board's education requirement, allowing an individual to sit for the CFP Certification Examination.

<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
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<td>Tax Planning</td>
<td>3</td>
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<td>FIN 601</td>
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<td>FIN 602</td>
<td>Portfolio Management</td>
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<td>FIN 604</td>
<td>Personal Insurance Planning</td>
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<td>Pensions &amp; Benefits Admin</td>
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<tr>
<td>FIN 606</td>
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</tr>
<tr>
<td>FIN 620</td>
<td>Fin Plan Dev&amp;Presentn Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Saint Joseph's University does not certify individuals to use the CFP®, Certified Financial Planner® and flame logo marks. CFP certification is granted solely by Certified Financial Planner Board of Standards Inc. to individuals who, in addition to completing an educational requirement such as this CFP Board-Registered Program, have met ethics, experience and examination requirements.
Real Estate Finance Minor

The purpose of a minor in Real Estate Finance is to expose students to a range of real estate related topics such as commercial real estate valuation; real estate financing (mortgages, leasing, and the importance of financial leverage in real estate investing); sustainability; and real estate development. Additionally, students will have the opportunity to improve their real estate-specific writing skills in order to succeed in this industry.

Learning Goals and Objectives for students in the Real Estate Finance Minor

Goal 1: Functional finance skills

Objective 1.1: Students will learn the concepts and tools necessary to value commercial and residential real estate assets.

Goal 2: Critical Thinking skills

Objective 2.1: Students will learn the skills to develop, implement, examine, and evaluate the validity of assumptions underlying the valuation techniques for real estate assets.

Goal 3: Communication Skills

Objective 3.1: Students minoring in Real Estate Finance will learn to make recommendations that are clearly and effectively supported by written analysis.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 300</td>
<td>Intermediate Finance</td>
<td>3</td>
</tr>
<tr>
<td>REF 301</td>
<td>Commerc Real Estate Valuation</td>
<td>3</td>
</tr>
<tr>
<td>REF 303</td>
<td>Residential Loans &amp; Investments</td>
<td>3</td>
</tr>
<tr>
<td>REF 400</td>
<td>Commercial Real Estate Dev</td>
<td>3</td>
</tr>
</tbody>
</table>

1. Finance Majors must take another 300- or 400-level FIN course to replace FIN 300.

* 400 level courses have one or more 300 level courses as prerequisites. (See Course Descriptions for details).

One elective:

This elective must be a 300- or 400-level REF course. FIN, RMI, or FPL courses cannot be used to satisfy the requirements of the REF minor unless approved by the Finance Department chair.

The first two courses in the Real Estate Finance minor are in the Business core: Concepts of Financial Accounting (ACC 101) and Introduction to Finance (FIN 200). These two courses can be double-counted toward a Business student's major, and do not have to be replaced with additional courses for the minor. Students are responsible for completing all prerequisites to the courses required for the minor. The REF minor requires students to complete four 300- or 400-level REF courses. One REF course may be double counted toward a Finance, Financial Planning, or Risk Management & Insurance student's major. Finance majors must take an additional 300- or 400-level FIN course to replace FIN 300 in the minor.

Risk Management & Insurance B.B.A.

HDC General Education Program (GEP) Requirement

(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104 Adult Student Seminar Selection</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>or THE 221 Intro to the New Testament</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Theology: Religious Difference course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Faith and Reason course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select the following:</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>Additional course from approved list</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

1. List of approved courses varies by major.

Business Foundation Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essent’ls of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120 Essentials of Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

Risk Management & Insurance Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RMI 200</td>
<td>Introduction to Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 300</td>
<td>Property and Casualty</td>
<td>3</td>
</tr>
<tr>
<td>RMI 301</td>
<td>Corporate Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>Take one 300-400 level RMI course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Take 1 RMI Elective at the 400 level</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Take one flexible elective at the 300-400 level in RMI, FIN, FPL, or REF. Note: RMI majors require two ILC courses and have a total of 6 additional free electives.

Risk Management & Insurance for Actuarial Science Majors Minor

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 300</td>
<td>Intermediate Finance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 200</td>
<td>Introduction to Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 300</td>
<td>Property and Casualty</td>
<td>3</td>
</tr>
<tr>
<td>RMI 301</td>
<td>Corporate Risk Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Risk Management & Insurance Major

The Risk Management & Insurance Major is designed to provide students with an understanding of the insurance industry and of the current academic and practitioner literature on financial risk management. In the Risk Management & Insurance major, students will explore the various functional areas of insurance company management, including investment and financing policies as well as pricing and underwriting activities. Students will also become familiar with the types of risks facing financial institutions, corporations, and individuals and learn how to measure and manage these risks. The Risk Management & Insurance major prepares students for careers in the financial services industry (insurance companies, banks, securities firms, and pension funds).

Learning Goals and Objectives Risk Management & Insurance Majors

**Goal 1: Risk Management Skills**

**Objective 1.1:** Students majoring in Risk Management & Insurance should be competent in assessing coverage in common insurance policies.

**Goal 2: Critical Thinking Skills**

**Objective 2.1:** Students majoring in Risk Management & Insurance will learn to think critically and analytically in identifying, analyzing, and treating the risks of an organization.

**Goal 3: Communication Skills**

**Objective 3.1:** Students majoring in Risk Management & Insurance will learn to make recommendations that are clearly and effectively supported by analysis in written reports.

**Objective 3.2:** Students majoring in Risk Management & Insurance will learn to communicate clearly and effectively when delivering oral presentations to the target audience.

All students majoring in Risk Management & Insurance must complete the following GEP requirements (please see section in the catalog on the General Education Program for details).

Addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

Free Electives

Six courses

**Major Requirements**

**Major Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RMI Core</td>
<td>Introduction to Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 300</td>
<td>Property and Casualty</td>
<td>3</td>
</tr>
<tr>
<td>RMI 301</td>
<td>Corporate Risk Management</td>
<td>3</td>
</tr>
</tbody>
</table>
Electives in major – Class of 2018 or Declaration of Major 2015 or later:

Three courses, including a Risk Management & Insurance Elective, a Flexible Elective, and an Advanced RMI Elective, are required:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk Management &amp; Insurance Elective</td>
<td>Select one from any 300- or 400-level RMI course:</td>
<td>3</td>
</tr>
<tr>
<td>RMI 310</td>
<td>Insurance Company Operations</td>
<td></td>
</tr>
<tr>
<td>RMI 320</td>
<td>Alternate Risk Financing</td>
<td></td>
</tr>
<tr>
<td>RMI 370 - RMI 379: Topics in Risk Management &amp; Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RMI 400</td>
<td>Underwriting</td>
<td></td>
</tr>
<tr>
<td>RMI 410</td>
<td>Enterprise Risk Management</td>
<td></td>
</tr>
<tr>
<td>RMI 470 - RMI 479: Advanced Topics in Risk Management &amp; Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RMI 493 - RMI 494: Individual Research in Risk Management &amp; Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexible Elective</td>
<td>Select one from any 300- or 400-level RMI, FIN, or REF course:</td>
<td>3</td>
</tr>
<tr>
<td>FIN 300</td>
<td>Intermediate Finance</td>
<td></td>
</tr>
<tr>
<td>FIN 301</td>
<td>Investments</td>
<td></td>
</tr>
<tr>
<td>FIN 302</td>
<td>International Finance</td>
<td></td>
</tr>
<tr>
<td>FIN 303</td>
<td>Small Business Finance</td>
<td></td>
</tr>
<tr>
<td>FIN 304 - FIN 305: Honors Research in Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIN 370 - FIN 379: Topics in Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIN 400</td>
<td>Mergers &amp; Acquisitions</td>
<td></td>
</tr>
<tr>
<td>FIN 401</td>
<td>Student Managed Funds</td>
<td></td>
</tr>
<tr>
<td>FIN 402</td>
<td>Portfolio Management</td>
<td></td>
</tr>
<tr>
<td>FIN 403</td>
<td>Derivative Securities</td>
<td></td>
</tr>
<tr>
<td>FIN 470 - FIN 479: Advanced Topics in Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIN 493 - FIN 494: Individual Research in Finance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced RMI Elective</td>
<td>Select one from any 400-level RMI course:</td>
<td>3</td>
</tr>
<tr>
<td>RMI 400</td>
<td>Underwriting</td>
<td>3</td>
</tr>
<tr>
<td>RMI 410</td>
<td>Enterprise Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>RMI 470 - RMI 479: Advanced Topics in Risk Management &amp; Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RMI 493 - RMI 494: Individual Research in Risk Management &amp; Insurance</td>
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<td></td>
</tr>
</tbody>
</table>

1. The Finance Department recommends that students who satisfy the GEP Math Beauty requirement by taking either MAT 155 or MAT 161 take the second course in the sequence (MAT 156 or MAT 162) as the second RMI ILC course. However, if the Calculus course satisfies the GEP Math Beauty requirement the student may take Macroeconomics and any two courses from the College of Arts and Sciences to satisfy the three course RMI ILC requirement. All RMI majors must take at least one Calculus course (MAT 119, MAT 123, MAT 155, or MAT 161) unless they have placed out with a 4 or 5 on the AP Calculus Exam or transfer credit in Calculus from another university.

2. For ILC #3, students may take one additional course (exclusing first year seminars) in the College of Arts and Sciences.

3. FIN 200 and DSS 210 are prerequisites for RMI 301.

4. 400-level courses have one or more 300-level courses as prerequisites (see Course Descriptions for details).

5. A 300- or 400-level FIN course satisfies one course toward the FIN major; FPL 300, FPL 301 or FPL 495 satisfies one course toward the FPL major; a 300 or 400 level REF course satisfies one course towards the Real Estate minor.

Risk Management & Insurance Minor

The objective of the Risk Management & Insurance minor is to introduce students to significant aspects of both corporate risk management and the insurance industry.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 200</td>
<td>Introduction to Insurance</td>
<td>3</td>
</tr>
<tr>
<td>RMI 300</td>
<td>Property and Casualty</td>
<td>3</td>
</tr>
<tr>
<td>RMI 301</td>
<td>Corporate Risk Management</td>
<td>3</td>
</tr>
</tbody>
</table>

One RMI elective:

This elective must be a 300- or 400-level RMI course. FIN, REF, or FPL courses cannot be used to satisfy the requirements of the RMI minor unless approved by the Finance Department Chair.

The first two courses in the Risk Management & Insurance minor are in the Business core: Concepts of Financial Accounting (ACC 101) and Introduction to Finance (FIN 200). These two courses can be double-counted toward a Business student’s major, and do not have to be replaced with additional courses for the minor. Students are responsible for completing all prerequisites to the courses required for the minor. The RMI minor requires students to complete four courses in Risk Management & Insurance. These courses cannot be double counted in the student’s major. The one exception to this is for students majoring in Actuarial Science, described below.
FOOD MARKETING

Professor: John L. Stanton, Ph.D.
Associate: Ferdinand F. Wirth, Ph.D.
Assistant: Emily M. Moscato, Ph.D.; Ernest Baskin, Ph.D.; Mark Lang, Ph.D.; Sara Williamson, PhD; Sean Coary, Ph.D.
Visiting: George Latella, MBA

Chair: Porth

Undergraduate

• Food Marketing (p. 526)
• Five-year Cooperative Education in Food Marketing (p. 525)

Undergraduate Minors

• Food Marketing (p. 527)

Adult Undergraduate

• Food Marketing (p. 526)

FMK 150 Expl Hist Cult & Future:Eating (3 credits)
This First Year Seminar course covers the importance of food to the development of civilization. The first half of the course will be devoted to the history of food, eating and its relationship to culture, from the prehistoric hunter-gatherers to the modern day fascination with all things culinary. The second half of the course will be devoted to understanding the modern food system within the developed world with particular emphasis on the thorny issues that are currently being debated: organics, buy local, genetic modification, sustainability, obesity, hunger and other topics of interest.
Attributes: First-Year Seminar, Undergraduate

FMK 202 Overview of the Globl Food Ind (3 credits)
In addition to principles of marketing, this is the foundation course for food marketing majors. The objective of the course is to familiarize students with the global food industry at all levels and in all segments. Basics of agricultural production and economics, food distribution, wholesaling and retailing, both on the retail and foodservice sides of the business, will be covered. We will also cover the critical issues impacting the industry including the decline of food at home, the growth of foodservice and the food-away-from-home market, the impact of consolidation, increasing concentration and globalization on the industry’s structure, conduct and performance.
Attributes: Undergraduate

FMK 301 Food Marketing Research (3 credits)
The food industry and the companies that make up the industry are all driven by information. This course will focus on the sources and applications of the information used to make food marketing decisions. The traditional marketing research process will be covered. Applications such as attitude research, product testing and advertising testing will be highlighted. In addition, there will be a great deal of emphasis on the methodology and application of syndicated data such as panel data, scan data, and other information products, such as geodemographic segmentation data. Prerequisite: DSS 210.
Prerequisites: DSS 210 and FMK 202 and FMK 318
Attributes: Undergraduate

FMK 302 Undrstndg Food Cust & Consumers (3 credits)
This course will combine traditional consumer and buyer behavior theory and methods with a focus on the food industry to help students understand and predict how both household and food supply chain buyers will react to marketing and other stimuli. Concepts such as perceptions, attitudes, and individual and group behavior will be covered, with a specific focus on issues related to the marketing of products to consumers via the global food industry.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 303 Food Marketing Communication (3 credits)
Discussion of the strategy and tactical tools and techniques required to create and execute an integrated marketing communications program in the food industry. We will cover the issues and elements of advertising, sales promotion, and personal selling strategies, with primary emphasis on the advertising function. Targeting, the creative process, media options, budgeting, and evaluation of advertising will be highlighted.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 310 Brand Strategy (3 credits)
This course addresses the brand management challenge of designing and implementing the best combination of marketing variables to cant out a food company’s strategy in its target markets. This course presents an integrative, dynamic view of competitive brand strategy applicable to supplier, manufacturer, distributor and retailer levels in the supply chain. It focuses on understanding, developing and evaluating brand strategies that yield a distinctive competitive advantage based on customer, and competitor analysis will be presented and applied in various situations throughout the course. Topics include strategies for pioneering brands, strategies for late entry, growth strategies, strategies for mature and declining markets, and defensive marketing strategies.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 311 Food Retailing (3 credits)
Today’s food retailer faces a series of unique challenges that may be different than any other challenges that she/he have faced. This course looks at the fundamentals of food retailing together with their application(s) to the structural changes taking place in the food retailing landscape. A critical part of this course will be student teams working on a “Challenge” project with TARGET STORES on a problem/situation that TARGET STORES is facing. Cash prizes will be awarded to teams presenting the most unique and actionable solution to TARGET STORES problem/situation.
Prerequisites: (MKT 1011 or MKT 1015) or MKT 201
Attributes: Undergraduate

FMK 312 New Product Development (3 credits)
This course covers the processes and issues involved in conceiving, developing and launching new food and allied products into the retail market for both consumer and foodservice products. Topics covered include new product strategies and approaches, organizational structures, steps in the process, new product research, and creating programs to support product introduction. The course includes a semester-long project whereby student teams will research a product category, create a new product concept, and develop and present a launch program.
Prerequisites: MKT 201 or MKT 211
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Food Marketing Co-Op or Food Marketing.
Attributes: Undergraduate
FMK 313 Food Distribution & Logistics (3 credits)
This course emphasizes the efficient movement of food products from the farm to the table. This course will include discussion of the characteristics of supply chains, the concepts of efficiency in logistics, demand and inventory management and flow, transportation system management, network design and control, and performance measures and pricing decisions. All of these topics will be covered from both global and domestic and retail and foodservice perspectives.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

FMK 314 International Food Marketing (3 credits)
The concepts, methods and challenges of firms doing business in international markets are discussed. Specific economic, political, legal, cultural and competitive risks are examined. The focus will be on the operation of food suppliers, manufacturers, distributors, and retailers and foodservice operators in the international marketplace. Attention focuses on the need to adapt to diverse business conditions and geographic markets.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 315 Globalization and Food Policy (3 credits)
An examination of the global trade environment for agriculture and foodstuffs and an introduction to the numerous policy agencies overseeing food trade and food policy, such as the WTO, UN, FAO, WHO, Codex Alimentaries, EU and other governmental bodies. Attention will focus on global issues impacting the economics of the food industry including biotech crops, health claims, obesity, food bioterrorism, novel ingredients, environmental policies, corporate consolidation, food advertising, hunger, and infectious diseases such as Mad Cow and Hoof and Mouth. The course will qualify towards Faith/Justice certificate/minor fulfillment.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 316 Selling Skills & Decision Making (3 credits)
This course focuses on providing students with the comprehensive knowledge and skill base necessary for making and executing data-based decisions and plans. Methods of critical evaluation of data needed to support marketing and customer event planning, implementation, and evaluation will be stressed. Students will use syndicated sources and commercial software to analyze and evaluate data, assemble strategies and assess outcomes for CPG and foodservice.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 317 Sales Mgt for CPG & Foodserv (3 credits)
This course studies the complex and demanding responsibilities of sales management, for both consumer packaged goods and foodservice. The course will include creation of the sales strategic plan, managing the sales force, coordination of the interface with marketing, establishing sales force objectives, forecasting, understanding customer relationships, motivating and training the sales force and the role of fact-based decision making. Topics will also include the relationship of the sales force to the chief executive officer and social, ethical and legal responsibilities of sales management.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 318 Retail Food Market Management (3 credits)
Most management decisions and strategies in food marketing today are driven by the analysis of shopper, competitive, and business data; often based on very large data sets. To prepare students to be successful in this new environment, this course will use Excel, IRI/Nielsen data sets, and other quantitative tools to work through analysis and planning at the interface between food manufacturers and food distribution channels (e.g. Grocery and Foodservice). Common food industry business practices such as category management and promotion and media optimization will be examined. There will be opportunities to add realism through the use of case studies and in-class competitions based on actual companies.
Prerequisites: FMK 202 or MKT 201

FMK 320 Foodservice Marketing (3 credits)
This course provides the food marketing student with an overview of the foodservice industry. It is an introduction into the supply chain members—suppliers, manufacturers, brokers, distributors, logistics providers, foodservice operator customers and finally the foodservice consumer in the food-away-from-home market (FAFH) market. The drivers of FAFH will be studied including consumer, demographic, organizational, culinary, and technological and their roles in foodservice marketing. In addition, the structure of the industry will be studied to understand the wide variety of operations across the commercial and non-commercial (on-site) foodservice venues and their unique marketing issues.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 330 Internatnl Food Mktg Study Tour (3 credits)
Specially designed on-site tour to varying international locations which offer students a unique opportunity to experience and study the global food industry. The tour may include visits to food industry suppliers, growers, manufacturers, distributors, regulators, and retailers. Students will be introduced to the marketing and business issues of the global food industry and experience the culture and pace of the world's major cities. The course will involve pre- and post-meetings and assignments.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 331 On Site Food Service (3 credits)
This course provides an introduction into the roles and factors that affect the product selection, menus, operations, marketing, merchandising and promotions of on-site (non-commercial) foodservice operations. Students will develop an understanding of the decision making factors that shape the marketing strategies and tactics in each segment of the on-site foodservice. Segments reviewed in this course include schools, colleges and universities, businesses, healthcare, sports and entertainment venues, parks and recreation facilities, military, transportation, vending and corrections. In addition to class learning, students will participate in local tours of facilities to analyze and critique the similarities and differences in the operator customer strategies and marketing techniques.
Attributes: Undergraduate
FMK 332 Commercial Food Service (3 credits)
The bloomin’ onion, a “Happy Meal”, "take it up a notch". How do all these tactics help create the marketing strategies and positions of these successful restaurants? This course will provide students in depth look at the restaurant industry—how the roles of chefs, menus, marketing strategy, positioning, themes, signature items and economics make a success or failure of a restaurant or chain. Students will review the structure, and functions of this industry and how it compares to the supermarket industry. In addition to class learning, students will participate in local tours of facilities to analyze and critique the similarities and differences in the operator customer strategies and marketing techniques.

Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 333 Foodserv Manufactg & Distribtn (3 credits)
This course examines the dynamics of the ever changing distribution network between a manufacturer and the food service operator. Manufacturers face the challenges of maintaining or increasing their market share against the competition and selecting the best distribution channels to get their products to the foodservice operator. Distributors’ challenges include the increased costs of operations and pressure between balancing manufacturer brands or their own private label brands and how that affects what foodservice operators and customers will buy. Students will learn what roles logistics and ordering technologies, marketing incentives, and direct or brokers sales forces play in the success of a manufacturer product as it travels through the distribution channel.

Attributes: Undergraduate

FMK 354 Food, Film and Culture (3 credits)
This course addresses the use of food as a metaphor in classic and recent films and examines the role of food from a cultural, historic, and economic lens. Food in film has emerged as a cinematic genre of study recognizing the symbolic role of food for emotional, political, cultural, familial, and economic issues. The course also includes an introduction to the craft of technically presenting food in film and commercial media, and consumer response to food visuals. Course mechanics include discussion, short essays, and a group presentation and report. These assignments examine the symbolic use of food in film and the commercial opportunities food presents in the various settings viewed. A true ’foodie’ delight.

Prerequisites: MKT 202 and FMK 301 and FMK 302 and FMK 303
Attributes: Undergraduate

FMK 355 FMK Industry Case Challenge (3 credits)
This course will be focused on developing and presenting a marketing strategy case to compete in national food industry case competitions such as the National Grocers Association (NGA) case competition. Students will learn and practice how to integrate research, strategy, creativity, and presentation skills and outcomes directly useable in executive business situations. The course will draw material from several sources and disciplines. Graded work will be heavily weighted towards presenting components of a final case as developed during the semester. The first part of the course will be spent setting up and developing skills and then transition to working on a real case problem provided from the NGA and potentially other industry organizations. The team that goes to the NGA competition in Las Vegas will be selected from this course.

FMK 370 Digital & Social Media (3 credits)
Digital and social media represent a significant shift and change in consumer behavior, leaving marketers scrambling to take advantage of the changing environment. Consumers are spreading opinions and information about restaurants, food brands and grocery stores on sites such as Yelp, Facebook and Twitter. This course takes a broad look at digital and social media and investigates social networks, social media platforms and online advertising. A common theme throughout this course is to identify and discuss the differences between traditional and social media while highlighting the interaction and synergy between the two key factors such as word of mouth, sales promotions and advertising. At the end of the course, students have the knowledge and insights necessary to establish key, clear marketing objectives and strategies, choose the proper social media platforms and measure the effectiveness of the online campaigns.

FMK 401 Food Marketing Strategy (3 credits)
With a focus on food and consumer products marketing, strategic concepts such as leadership, business definition, situation assessment, planning and objectives, and strategy selection and implementation will be covered, along with strategies that work in different competitive and market situations. Both the theory and application of strategic decision making will be highlighted. Prerequisites: FMK 301, 302 and 303.

FMK 402 Future Issues in Food Mktg (3 credits)
This course will be periodically offered to cover a variety of different topics that are timely, significant or contemporary. Each time the course is offered it will focus on a different and specific food marketing topic. Examples of courses that might be offered include Marketing to Hispanic Consumers, Strategies for Marketing Nutrition and Health, and Technology and the Food Supply Chain and others that may evolve. All future issues courses can be used to satisfy a general upper division course requirement or a free elective.

Attributes: Undergraduate
FMK 403 Independent Study Food Mktg (3 credits)
This course is designed to accommodate those students who have an interest in a research-worthy topic that can be examined on an independent research basis. The student will work closely with a professor on a research area that will require the identification of a topic, a literature review, appropriate methodology, and analysis. (Chair approval required.)

FMK 488 FMK Coop I (3 credits)
FMK 489 FMK Coop II (3 credits)
FMK 490 FMK Coop III (3 credits)
FMK 493 Independent Research I in FMK (3 credits)
FMK 494 Independent Research II in FMK (3 credits)
FMK 500 Marketing Foundations (2 credits)
FMK 509 Curricular Practical Training (1 credit)
FMK 681 MS Food Mktg Independent Study (3 credits)
FMK 682 MS Food Mktg Independent Study (3 credits)
FMK 693 Thesis I (3 credits)
FMK 694 Thesis II (3 credits)
FMK 696 Thesis III (3 credits)

FMK 710 Problem Solving: FMK Managers (2 credits)
FMK 711 Food Marketing Management (2 credits)
The purpose of this course is to develop advanced decision making skills in the area of marketing management for the food and consumer packaged goods industry. Course materials will focus on the key concepts and techniques that are useful in appraising and prioritizing marketing activities, conducting market analyses and solving marketing problems within the broader context of firm management. Application of skills will be demonstrated through extensive case study projects and classroom discussions.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 712 Prepare & Use: Annual Mktg Plan (2 credits)
FMK 713 Food Mktg Strategy: Warfare App (2 credits)
This course will focus attention on development of food marketing strategy by taking a competitive or "warfare" approach. Specific types of strategy including offensive, defensive, and flanking will be discussed, along with the advantages and disadvantages of using each strategy. This course will be based heavily on examples of companies that have successfully, and sometimes unsuccessfully, utilized each strategy. An individual completing this course will have a more strategic perspective rather than a tactical outlook.
Restrictions: Enrollment is limited to Graduate level students.

FMK 714 Strategy & Tactic: Food Pricing (2 credits)
This course is designed to help food executives understand, design, and implement effective pricing programs. It will introduce concepts and tools useful in structuring and solving food product and service pricing problems. This will include exposure to pricing optimization solutions and data driven forecasting techniques across regular and promotional prices.

FMK 715 Competitive Analysis (2 credits)
FMK 716 Turn Customer Serv to Delight (2 credits)
FMK 717 Ethnic Marketing (2 credits)
This course will explore the opportunity for food retailers and manufacturers to increase sales by better understanding the tastes and needs of an ethnic community. Specifically, we will look at the Hispanic, African American, Asian and Jewish communities. We will discuss products, advertising, promotional opportunities, community relations and important holidays. The goal will be to show you how your company can create an "attitude" that will let people find the foods that they want in an atmosphere that makes them feel good.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 718 Creating Measuring Customer Value (2 credits)

FMK 719 Private Label Sales: Mkt Strat (2 credits)
This course will explore the key initiatives for the sale and marketing strategies for private label. Topics emphasized will include building private label brand equity, quality importance of private label being integrated into the category management process, pros and cons of dead net pricing, retail and vendor relationships, and how to develop a consumer loyalty program with private label.
Restrictions: Enrollment is limited to Graduate level students.

FMK 720 Mkt Segmentation/Target Mktg (2 credits)
Important in positioning and segmentation research is how to deal with the strategic issues of segmenting your markets and selecting appropriate strategies for your products and services. Topics emphasized will include: how to design marketing research studies from start to finish, to segment markets and position products, and which data services will be available to segment your markets. The selection of the best analytical tools for segmentation and positioning and repositioning, and implementing the results from positioning segmentation studies will be topics that will prove quite useful to the marketing manager. Strategies for market niche entry that integrates all the elements of the marketing mix, including price, product, promotion and distribution will be discussed.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 721 Qualitative Research Technique (2 credits)
FMK 722 Food Marketing Research (2 credits)
This course is meant to be an introduction to both quantitative and qualitative research. Quantitative data analysis, concentrating on the key issues facing those new to research, such as how to decide which statistical procedure is suitable, and how to interpret the subsequent results. The course will start with simple frequencies and move on through hypothesis testing, regression analysis, factor analysis etc. This will be presented in a user friendly manner and will provide the student with techniques they can use immediately. Qualitative research is a powerful tool which plays a part in conducting food marketing research into customer value analysis, branding and naming, new product launch, customer satisfaction and market segmentation, among other food marketing areas. Its techniques include all types of focus groups, in depth one-on-one interviews, intercept studies and observational research. Because of its importance in determining buyer attitudes and beliefs it has grown as an important tool of understanding markets and customers. This course will examine these facets of qualitative research using cases and class exercises to help students develop a working understanding of these tools.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.
FMK 723 Food Advertising Research (2 credits)

FMK 725 Food Consumer Behavior (2 credits)
Understanding the food customer and consumer is the course within the food marketing curriculum that most directly applies concepts, principles, and theories from the various social sciences to the study of the factors that influence the acquisition, consumption, and disposition of consumer packaged products, services, and ideas. Knowledge of consumer behavior principles is becoming increasingly important for the food marketing manager and the public policy maker. Quite simply, in order to make good decisions the manager must have an understanding of how consumers are likely to respond to the actions of the firm or the government. In addition, an understanding of the factors that influence consumers may assist an individual in understanding his or her own buying patterns. The principles from a number of disciplines are used to describe and explain consumer behavior, including economics, psychology, social psychology, sociology, and anthropology.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 726 Innovation/New Product Develop (2 credits)
Since new products have become the lifeblood of most food companies, this course is very pertinent. The course takes the students through each of the stages of a typical new product process. Special emphasis is placed on idea generation and the creative process. Although each step in the process is discussed, the importance of systematically carrying out the process is stressed.

Restrictions: Enrollment is limited to students with a major in Food Marketing. Enrollment is limited to Graduate level students.

FMK 727 Legal Issues in FMK (2 credits)
This course reviews the legal environment in which businesses operate. It will describe the judicial process and legal system and examining areas of law and regulation in the business environment. Focus will be on the areas impacting the food industry, including personnel management, food safety, food labeling, customs, homeland security, and the laws, regulations and directives impacting operations, such as EEOC, OSHA, EPA, USDA and others.

Restrictions: Enrollment is limited to Graduate level students.

FMK 731 Food Advertising (2 credits)
Over the years a variety of techniques and approaches have been used to create good advertising. In this course the factors common to successful advertising will be presented. The rules are based on research as well as the opinions and experience of such advertising leaders as Ogilvy, Bernbach, Burnett, and testing services such as ARS and Mapes and Ross.

Restrictions: Enrollment is limited to Graduate level students.

FMK 732 Make Consumer Promo Effective (2 credits)
This course is designed to help sales, marketing, and merchandising executives understand, design, and implement effective and efficient consumer and trade promotion programs. The role of consumer promotions within the context of Marketing Strategy will be examined as well as advantages and limitations of the most widely used Consumer Promotion techniques. (Coupons, Experiential (Event Marketing) Rebates, Contests, Sweepstakes, Sampling etc.) Creative strategies to maximize impact and program development/evaluation will also be discussed. Trade Promotion has grown into the biggest, most complex and controversial dilemma facing the food industry today. The role of trade promotions within the context of Marketing Strategy will be examined as well as advantages and limitations of the most widely used Trade Promotion techniques. (Off Invoice, Bill backs, Scan-backs, Scan Based Trading, Advertising allowances, Demonstrations, etc.) Creative strategies to maximize impact and program development/evaluation will also be discussed.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 733 Making Trade Promo More Effect (2 credits)

FMK 741 International Food Business (2 credits)

FMK 742 Inter'l Mkgt:Emerging Markets (2 credits)
While the growth markets are the emerging markets the bulk of food trade is still in the developed markets of the world such as the EU, Canada, and Japan. The potential success of the Doha trade talks and the removal of tariffs and taxes have had an effect not just on inter-European trade, but on worldwide business as well. This course will study exactly what the new rules of trade are and how they affect American food business. This course also explores the expanding market opportunities in the BRIC (Brazil, Russia, India and China), for food products and retailing formats, focusing on how business models differ between emerging countries and between developing countries. The dynamic market of the BRIC countries will be examined

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 743 Intl Marketing: Developed Mkts (2 credits)

FMK 744 Intl Marketing: Developed Mkts (2 credits)

FMK 751 Supply Chain Management (2 credits)
Distribution, often referred to as "the last great business frontier," is receiving more attention from executives than ever before. Faced with multiple pressures of shrinking margins, strong pricing, competition, large capital investments, global networks and product line extensions, companies today must effectively control and manage this key area of the business. Individuals who complete this course will understand the role of distribution in their industry and develop strong actionable plans, which can make a difference in corporate profits and customer service.

FMK 752 Category Mgt /Retail Partners (2 credits)

FMK 753 Food Retail Marketing (2 credits)
The food retail industry is changing on a regular basis. In some cases new retail food choices will arise such as target P-Fresh and in other cases hybrids appear in the market such as Fresh and Easy, and Marketside stores. This course will examine all the new formats and how they will affect distribution and consumer behavior.

Restrictions: Enrollment is limited to students with a major in Food Marketing. Enrollment is limited to Graduate level students.

FMK 754 Category Mgt /Retail Partners (2 credits)

FMK 755 Food Retail Marketing (2 credits)
The food retail industry is changing on a regular basis. In some cases new retail food choices will arise such as target P-Fresh and in other cases hybrids appear in the market such as Fresh and Easy, and Marketside stores. This course will examine all the new formats and how they will affect distribution and consumer behavior.

Restrictions: Enrollment is limited to students with a major in Food Marketing. Enrollment is limited to Graduate level students.
FMK 754 Food Retailing Tour (Int'l Ex) (2 credits)
A tour of successful retailers in conjunction with traditional instruction will allow students to see food merchandising at its best “up close and personal.” Students will be asked to analyze and critique the similarities and differences embodied in the various operations. Focusing on such issues as store design and layout, in-store merchandising, pricing policy, shelf and category management, center store vs. perimeter and the extent of prepared foods merchandising, students will be able to understand how and why different operations are successful and develop insights that will help in planning programs and products to successfully merchandise products.

FMK 761 Food Technology & Packaging (2 credits)

FMK 762 Food Policy, Health & Wellness (2 credits)
Health and wellness are the driving growth factors in the food industry and are key issues in food policy, especially regarding approaches to mitigate obesity. This course will introduce marketers to current issues in food policy, key stakeholders, and fundamentals of food policy operation. The course will discuss consumer understanding of health and wellness. It will include strategies for health claim marketing and retailer approaches to enhance health and wellness in stores and food service operations. The course emphasizes a marketing perspective to drive a health and wellness strategy for competitive advantage and meaningful differentiation thereby optimizing growth and profitability in the context of a regulated environment.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 763 Food Mkt & Retail Technology (2 credits)

FMK 770 Special Topics: FMK Exec Ed (2 credits)

FMK 771 Foodservice Marketing (2 credits)
An introduction to the role and function of foodservice marketing and the foodservice marketing channel. Students will develop an understanding of the commercial and noncommercial on-site segments and the underlying factors and processes that shape strategy and tactics for foodservice marketing.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 772 Foodservice Mfg & Distribution (2 credits)
This course examines the dynamics of the ever changing distribution network between a manufacturer and the food service operator. Manufacturers face the challenges of maintaining or increasing their market share against the competition and selecting the best distribution channels to get their products to the foodservice operator. Distributors’ challenges include the increased costs of operations and pressure between balancing manufacturer brands and their own private label brands and how that effects what foodservice operators and customer will buy. Students will learn logistics and ordering technologies, marketing incentives, and direct or brokers sales forces play in the success of a manufacturer product as it travels through the distribution channel.

FMK 773 On-site&Commercial Foodservice (2 credits)

FMK 781 Independent Study in Food Mkgt (2 credits)

FMK 782 Independent Study Food Mkgt II (2 credits)

FMK 783 Future Issues:MktgEComSocMedia (2 credits)
This course is designed to address areas that will be very contemporary and may have just appeared on the food horizon or issues that warrant a special examination but not need a regular course. These maybe open to the public for either all or part of the course. The area that it would cover will determine which course section it will apply to.

FMK 784 Food Industry Summit (2 credits)
This seminar is based on the annual Department of Food Marketing Food Industry Summit. The First day event Students will attend the one day event and then continue the discussion of the topic during the second day of the course. The actual topics for the course are determined when the Department selects the topic for the FIS. These will be contemporary and important issues to the industry.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 793 Thesis I (3 credits)

FMK 794 Thesis II (3 credits)

FMK 795 Capstone (2 credits)
This integrative course is designed to permit students, near the end of the course of study, to integrate the knowledge from their previous courses. Also, this course is intended to give students the opportunity to demonstrate the application of the concepts learned during their tenure in the program. Prerequisite: successful completion of 21 courses beyond Foundation Courses.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 796 Thesis III (3 credits)

FMK 799 Food Marketing Capstone (3 credits)

Five-Year Cooperative Education in Food Marketing
An alternative five-year Bachelor’s degree program combines on-campus classroom study with alternate periods of gainful employment in the food or allied industries. After finishing the freshman year, students complete three cooperative work experiences. Students in this program not only receive a well-rounded education but will also have the unique opportunity of applying classroom learning to work situations and vice versa as they gain as much as a full year of professional experience prior to graduation. Student study/work schedule is as follows:

Freshman Year
• Fall—5 courses on campus
• Spring—5 courses on campus

Sophomore Year
• Fall—5 courses on campus
• Spring—1st cooperative experience
• Summer—1st cooperative experience

Junior Year
• Fall—5 courses on campus
• Spring—5 courses on campus
• Summer—2nd cooperative experience

Senior Year
• Fall—2nd cooperative experience
• Spring—5 courses on campus
• Summer—3rd cooperative experience

Post Senior Year
• Fall—3rd cooperative experience
• Spring—5 courses on campus

For more information, please contact Dr. Ferdinand Wirth, Academic Director, of Cooperative Education, @ 610-660-2246 or Mr. Jerry Bradley, Placement Director of Cooperative Education @ 610-660-1601.

**Food Marketing B.B.A**

**HDC General Education Program (GEP) Requirement**

(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104</td>
<td>Adult Student Seminar Selection</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
<td>3</td>
<td></td>
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<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad or THE 221</td>
<td>3</td>
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<tr>
<td>Theology: Religious Difference course</td>
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<tr>
<td>Faith and Reason course</td>
<td>3</td>
<td></td>
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<tr>
<td>Select the following:</td>
<td>6-9</td>
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</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td></td>
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<tr>
<td>Additional course from approved list ^</td>
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^ List of approved courses varies by major.

**Business Foundation Requirement**

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essent'l's of Organizational Beh or MGT 120</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
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</tbody>
</table>

**Food Marketing Majors**

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FMK 202</td>
<td>Overview of the Globl Food Ind</td>
<td>3</td>
</tr>
<tr>
<td>FMK 301</td>
<td>Food Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>FMK 302</td>
<td>Undrstndg Food Cust &amp; Consumers</td>
<td>3</td>
</tr>
<tr>
<td>FMK 303</td>
<td>Food Marketing Communication</td>
<td>3</td>
</tr>
<tr>
<td>FMK 318</td>
<td>Retail Food Market Management</td>
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</tr>
<tr>
<td>FMK 401</td>
<td>Food Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Food Marketing majors require two ILC courses and have a total of 6 additional free electives.

**Food Marketing Major Objective**

The Food Marketing program in the Department of Food Marketing in the Haub School of Business is the only wholly industry-supported academic program of its kind in the United States and just one of six nationally recognized programs related to the food industry. The Department is supported by the Academy of Food Marketing, which was established by Saint Joseph’s University in cooperation with the food industry in 1962.

Strong industry ties have been developed which support placement of graduating seniors, recruiting of incoming freshmen, advising of students, program promotion, and scholarship support. The Business Library/Campbell Collection in Food Marketing, located in Mandeville Hall, represents one of the most valued resources of the department.

The mission of the Library is to support the Food Marketing Department faculty and its enrolled students by being one of the largest depositories of food industry information in the East.

The Food Marketing program prepares a student for a career in the food industry along one of several potential career paths. Food Marketing students pursue careers in food retailing management, food service marketing, sales and sales management, advertising, research, and brand management.

The primary purpose of the food marketing program is the development of young men and women with a broad national and international outlook for careers as executives, competent not only in the complex specialization of the food industry but also cognizant of its many humanistic and social responsibilities. Consequently, the curriculum aims to give its students both a solid grounding in the liberal arts as well as professional competence in this field. The liberal arts aspects of the Department’s curriculum are the same as for all majors. The specialized courses will deal with all facets of food marketing:

- manufacturing,
- procurement,
- advertising,
- research, and
- distribution.

Due to the implementation of the new General Education Program, there are currently two programs of study for the Food Marketing major:

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives.
addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

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<thead>
<tr>
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<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td>3</td>
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<tr>
<td>or SOC 101</td>
<td>Intro to Sociology</td>
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<td>ILC #3: Any course in the College of Arts and Sciences, excluding GEP Signature and Variable courses</td>
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Free Electives
Six courses

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<td>Excel Competency (non-credit)</td>
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<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
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<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
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Major Concentration
Six courses

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<tbody>
<tr>
<td>FMK 202</td>
<td>Overview of the Global Food Ind</td>
<td>3</td>
</tr>
<tr>
<td>FMK 301</td>
<td>Food Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>FMK 302</td>
<td>Undrstdng Food Cust &amp; Consumrs</td>
<td>3</td>
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Upper Division

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FMK 303</td>
<td>Food Marketing Communication</td>
<td>3</td>
</tr>
<tr>
<td>FMK 401</td>
<td>Food Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

For students who entered SJU in the fall of 2015 or later, or transfer students who entered SJU in the fall of 2015 with 14 or fewer credits, the Major core requirements have been changed to six required courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMK 202</td>
<td>Overview of the Global Food Ind</td>
<td>3</td>
</tr>
<tr>
<td>FMK 301</td>
<td>Food Marketing Research</td>
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<tr>
<td>FMK 302</td>
<td>Undrstdng Food Cust &amp; Consumrs</td>
<td>3</td>
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<tr>
<td>FMK 303</td>
<td>Food Marketing Communication</td>
<td>3</td>
</tr>
<tr>
<td>FMK 318</td>
<td>Retail Food Market Management</td>
<td>3</td>
</tr>
<tr>
<td>FMK 401</td>
<td>Food Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Minor in Food Marketing

Objective
The Food Marketing program in the Department of Food Marketing in the Haub School of Business is the only wholly industry-supported academic program of its kind in the United States and just one of six nationally recognized programs related to the food industry. The Department is supported by the Academy of Food Marketing, which was established by Saint Joseph’s University in cooperation with the food industry in 1962.

Strong industry ties have been developed which support placement of graduating seniors, recruiting of incoming freshmen, advising of students, program promotion, and scholarship support. The Business Library/Campbell Collection in Food Marketing, located in Mandeville Hall, represents one of the most valued resources of the department.

The mission of the Library is to support the Food Marketing Department faculty and its enrolled students by being one of the largest depositories of food industry information in the East.

The Food Marketing program prepares a student for a career in the food industry along one of several potential career paths. Food Marketing students pursue careers in food retailing management, food service marketing, sales and sales management, advertising, research, and brand management.

The primary purpose of the food marketing program is the development of young men and women with a broad national and international outlook for careers as executives, competent not only in the complex specialization of the food industry but also cognizant of its many humanistic and social responsibilities. Consequently, the curriculum aims to give its students both a solid grounding in the liberal arts as well as professional competence in this field. The liberal arts aspects of the Department’s curriculum are the same as for all majors. The specialized courses will deal with all facets of food marketing:

- manufacturing,
- procurement,
- advertising,
- research, and
- distribution.
Minor in Food Marketing

The Minor in FOOD MARKETING (FMK) consists of six courses – four required courses and two elective courses as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FMK 202</td>
<td>Overview of the Globl Food Ind</td>
<td>3</td>
</tr>
<tr>
<td>FMK 301</td>
<td>Food Marketing Research</td>
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<tr>
<td>FMK 302</td>
<td>Undrstndg Food Cust &amp; Consumrs</td>
<td>3</td>
</tr>
<tr>
<td>FMK 303</td>
<td>Food Marketing Communication</td>
<td>3</td>
</tr>
<tr>
<td>Select two FMK elective courses</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

These two electives must be 300- or 400-level FMK courses. One elective may be a non-FMK food related course specific to the student’s area of interest with the department Chair’s approval.
MGT N01 Non-Credit Project Mgmt (1 credit)
MGT N02 Non-Credit Mgmt Essentials (1 credit)
MGT N03 Non-Credit Change Management (1 credit)
MGT N04 Non-Credit Meetings Mgmt (1 credit)

MGT 110 Essentials of Organizational Beh (3 credits)
This course surveys the basic principles, concepts, and theories concerning organizations and groups and individuals within those organizations. The concepts and theories in this course concern individual behavior (e.g., perceptions, attitudes, and motivation), group and interpersonal processes (e.g., leadership, power, and conflict), and essential organizational theories. Students CAN take either MGT 110 or MGT 120 or MGT 121 to satisfy the HSB core Management requirement. Students who take MGT 110 cannot take MGT 120 or MGT 121 for credit. Attributes: Undergraduate

MGT 120 Essentials of Management (3 credits)
This course surveys the basic principles, concepts, and theories concerning organizations and groups and individuals within those organizations. The concepts and theories in this course include the organizational environment, management functions (planning, organizing, leading, and controlling), and essential individual and interpersonal theories. Students CAN take either MGT 110 or MGT 120 or MGT 121 to satisfy the HSB core Management requirement. Students who take MGT 120 cannot take MGT 110 or MGT 121 for credit. Attributes: Undergraduate

MGT 121 Organizations in Perspc Honors (3 credits)
This course explores the nature of the firm and the development of the employer-employee relationship in work organizations since the turn of the 20th century in the U.S. We will investigate and integrate the perspectives of various stakeholders (e.g., government, unions, community) as they relate to the manager-employee relationship, and demonstrate the effects of these stakeholders on individual and organizational well-being. University Honors students only. Students who take MGT 121 cannot take MGT 110 or MGT 120 for credit. Restrictions: Enrollment limited to students with the Honors Program Student attribute. Attributes: Honors Course, Undergraduate

MGT 140 Navigating the Road Ahead (3 credits)
This course focuses on positioning students for academic, career and personal excellence within the context of fostering an understanding of the adult student’s role in the learning/teaching process at Saint Joseph’s University. Its purpose is to enhance learning skills such as understanding material as it applies to oneself and others, applying concepts and ideas to real issues, thinking critically, analyzing text and ideas, and assessing progress. A key strength of this course is that it gives students the freedom to select and apply their own interests and academic pursuits to all of the assignments, thus making the course meaningful—as well as interesting and valuable—from both skill-building and content perspectives. HSC or PLS students ONLY Restrictions: Enrollment limited to PLS/HDC level students. Attributes: Adult Learning Seminar
MGT 150 Work is our Fire (3 credits)
Is our work who we are? Drawing from the social sciences, this seminar encourages students to approach work as the essence of being—our “fire”—and working as a journey of experience and expression of dignity and not solely as a burden or means to make a living. Students will isolate and interrogate social and economic class stereotypes, misconceptions, and attitudes concerning a variety of jobs and professions as well as possible origins for these perceptions. The concept of occupational identity is introduced to illustrate how work can consume us (positively and negatively), how we can assume our working role as part of our understanding of “self,” and how we see others based on our attitudes about their occupational roles. Discussions will tackle definitions of success, legacy, respectability, prestige, materialism, workaholism, stress, and professionalism and how our definitions are influenced by personal and cultural values. First Year Seminar only
Attributes: First-Year Seminar, Undergraduate

MGT 200 Intro to Project Management (3 credits)
Project Management is the application of knowledge and techniques to project activities in order to meet stakeholder needs. A project is an endeavor having a definite beginning and a definite end, undertaken to create a unique product or service. Key elements of Project Management will be introduced in this course: scope, schedule, budget, quality, human resources, communications, risk, and procurement. Through lectures, exercises and case studies, we will see how these elements fit into a project management plan, as well as how the plan is executed and controlled. Guidelines presented will be consistent with The Project Management Body of Knowledge (PMBOK) and be a step towards a possible Project Management Professional (PMP) certification.

MGT 212 Managing Workforce Diversity (3 credits)

MGT 213 Negotiation Skills (3 credits)

MGT 214 Perspectives on Leadership (3 credits)

MGT 220 Business, Society & Ethics (3 credits)

MGT 242 Adv Organizational Behavior (3 credits)

MGT 260 Legal&Eth Iss in Supply Chain (3 credits)
The primary objective of this course is to give the student an overall understanding of the legal and ethical issues in supply chain management (assessed via cases and tests). The course is designed to provide a background on the legal and ethical issues affecting the supply chain management function within businesses and government and delve deeply into those issues throughout the course (assessed via Discussion posts, cases and tests). In so doing, the course will identify key legal and ethical issues in the supply chain management profession with an emphasis on navigating those legal and ethical issues in the performance of supply chain management duties. Attributes: Undergraduate

MGT 360 Legal Environment of Business (3 credits)
This course introduces students to the study of law, particularly as it affects business organizations. Comprehensive in scope, it covers the court system and the judicial process, as well as areas of substantive law including torts, contracts, constitutional, administrative, employment, agency and international law. Various forms of business organizations are examined, and the interplay between law and ethics is addressed throughout. Attributes: Undergraduate

MGT 361 Introduction to Law Honors (3 credits)
This course is an introduction to the legal system and some of the areas of the law that have a significant impact on our lives are presented. The structure of the legal system and how it operates is described. Areas of torts, contract, criminal, constitutional, family, employment and others are examined. Current legal issues will receive particular attention. A Moot Court exercise is included. This course is highly recommended for students who plan to attend law school. University Honors students only; satisfies MGT 360 for Business Majors.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: Honors Course, Undergraduate

MGT 362 Legal Environment of Business II (3 credits)
This course builds upon the students’ knowledge of law attained in the Legal Environment of Business I course. Areas of law such as product liability, sales, intellectual property, environmental, consumer, labor, securities and antitrust are examined. Accountants’ liability is also covered. Highly recommended for students desiring to sit for the C.P.A. Exam or attend law school. Prerequisite: MGT 360 or MGT 361.
Prerequisites: MGT 1001 or MGT 1005 or MGT 360 or MGT 361
Attributes: Undergraduate

MGT 370 Special Topics in Management (3 credits)

MGT 470 Special Topics in Management (3 credits)

MGT 491 Internship I (3 credits)

MGT 492 Management Practicum (1 credit)

MGT 493 Research I (3 credits)

MGT 494 Research II (3 credits)

MGT 495 Mgt Intervention & Consultat’n (3 credits)

MGT 499 Business Strategy Simulation (3 credits)
This course is restricted to Haub Degree Completion students and can be substituted for BUS495. This is the capstone course for the undergraduate curriculum in the Haub Degree Completion Program. It is designed to integrate previous learning across business disciplines. The course will focus on applying knowledge in a dynamic global setting. It utilizes a strategy simulation software-based game within which teams create virtual firms and compete in a simulated industry. Prerequisites: ACC 101, ACC 102, ECN 101, FIN 200, MGT 110 or MGT 120 or MGT 121, and MKT 201. HDC or PLS students ONLY.
Prerequisites: (ACC 101 or ACC 1011 or ACC 1015) and (ACC 102 or ACC 1021 or ACC 1025) and (ECN 101 or ECN 1011 or ECN 1015) and (FIN 200 or FIN 1341 or FIN 1345) and (MGT 110 or MGT 1011 or MGT 1015 or MGT 2025 or MGT 120 or HON 1723 or MGT 121) and (MKT 201 or MKT 1011 or MKT 1015 or MKT 211)
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate
MGT 500 Managing Work Organizations (3 credits)
This course focuses on both the behavioral and technological aspects of work organizations. The behavioral aspects of organizations are discussed at three different levels. On a societal level, the place of work organizations relative to other institutions in contemporary society will be considered using a stakeholder model of the firm. On an organizational level, the concepts of organizational structure, technology, job design, and culture will be examined, emphasizing the importance of each to the goal of organizational effectiveness. On an individual level, the roles and responsibilities of the manager will be analyzed, helping students to recognize the critical managerial practices for achieving organizational effectiveness.
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 509 Curricular Practical Training (1 credit)

MGT 510 Empowering Work Organizations (2 credits)
This course examines the impact of individual, group and organizational behavior on the performance of an organization. Topics include leadership, motivation, group and team dynamics, organizational change, communication, and conflict management.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

MGT 512 Empower Human Cap: Legal & HR (2 credits)
The Human Resource Management course is designed to introduce graduate students to the key concepts and practices in human resource management (HRM). As part of the six seminars that make up this course, students will be exposed to the support and functional activities involved in the management of human resources. This exposure will also involve an overview of the relationships that these activities have to various outcomes that organizations seek to achieve through HRM, and the strategic role HRM can (and should) play in organizational development. Aimed at the graduate student who sees him/herself as either a future (or current) general manager or a specialist who deals with general managers, the course forces the student to struggle in a realistic and practical way with human resource policy and administration issues that top managers face today. The course also consists of students performing a HRM Audit and Evaluation study of an actual company’s human resource strategies and activities.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 520 Empowering Individuals & Grps (2 credits)
This course focuses on an organization’s most salient resource, the power of its human capital. It investigates the foundation of, and strategies for, empowering organizational members to manage organizational transformation processes from an executive perspective. Empowering individuals and groups requires an understanding of how to manage oneself and collectives effectively, creatively, and ethically in work organizations. This course investigates executive strategies for enhancing individual and collective performance through learning about motivation, perception, individual differences, organizational culture, teams, and change management. No prerequisites
Restrictions: Enrollment is limited to students with a major in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 545 Management Gateway Course (3 credits)
What will the world be like in 2025? What are the global challenges and opportunities that businesses will face in the future and how might business organizations respond? This course, Global Revolutions and Business, examines the global trends and forces that are shaping our world and the impact of those trends and forces on business organizations. In particular, we will focus on the global forces driving revolutionary changes such as Population, Resources, Information, Technology, Economic Integration, and Governance. Focusing on the future, this course seeks to develop and hone your strategic thinking skills, in considering the near-term and long-term impact of the global changes on organizations. Pre-requisite: Completion or waiver of MGT 500. Gateway course.
Restrictions: Enrollment is limited to Graduate level students. Enrollment limited to students in a Master of Bus Administration or Master of Science degrees. Enrollment limited to students in the Haub School of Business college.
Attributes: Gateway Course (Grad HSB)

MGT 550 Applied Project Team Skills (3 credits)

MGT 551 Empower Human Potentl at Wrk (3 credits)
This course focuses on an organization’s most salient resource—its human capital. It investigates the foundation of, and strategies for, empowering organizational members to manage organizational transformation processes in a national and global environment. Empowering human potential requires an understanding of how to manage one’s self, other individuals, and groups effectively, creatively, legally, and ethically in work organizations. Done well, empowered workers can help to achieve both personal and organizational objectives.

MGT 552 Stakeholder Theory & Soc Resp (3 credits)
This course addresses corporate social responsibility through a stakeholder theory of business. The course will center on the question, “Which interests of which stakeholders impose obligations on business?” The internal and external stakeholders addressed include investors, employees, customers, and the natural environment, among others. Some issues will be analyzed by exploring international differences in the treatment of stakeholders. The course exposes students to some of the ethical dilemmas confronted by employees in the workplace, and serves to enhance student skills in resolving these dilemmas. Prerequisite: Completion or waiver of MGT 500. Students count either MGT 551 or MGT 552 towards their degree.
Prerequisites: MGT 500 or HSB Waiver with a score of MG500

MGT 553 towards their degree.
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 555 Management Gateway Course (Grad HSB)

MGT 553 Excellence in Organizations (3 credits)
This online course focuses on the dynamics of organizations, with special attention to those that have achieved a distinguished level of excellence in their fields. It examines theories for analyzing an organization’s current stats and strategies as seen by its stakeholders. A variety of organizational contexts will be analyzed including individual motivation and behavior, team dynamics, organizational conflict and crisis, power and leadership, managing talent, culture, change management and communication. Prerequisite: Completion or waiver of MGT 500. Students count either MGT 551 or MGT 553 towards their degree.
Prerequisites: MGT 500 or MBA 3515 or MBA 3515 Placement Score with a score of 1 or HSB Waiver with a score of MG500 or MGT 500 Waiver Score with a score of 1
Restrictions: Enrollment is limited to Graduate level students.

MGT 554 Ethical Practices in Business (3 credits)

MGT 560 Intro to Strategic Human Res (3 credits)

MGT 561 Human Res Resch/Surv Methods (3 credits)

MGT 562 Employment & Labor Law (3 credits)

MGT 563 Human Resource Technology (3 credits)

MGT 564 Fin & Acc for Managers (3 credits)

MGT 565 Leading Change in Organ (3 credits)

MGT 570 Business Ethics (2 credits)
This course develops foundational concepts in ethical theory that are necessary tools for a systematic and disciplined evaluation of business practice. Central attention is given to the use of rights and the common good in moral arguments. Ethics I also begins to apply these conceptual tools to specific issues in business ethics.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

MGT 571 Ethics II (1 credit)
This course continues the application of theoretical tools developed in Ethics I and it requires students to prepare a team-based case analysis.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 573 Leadership and Development (2 credits)
This course finishes the process started in MGT 572. Students will assess their leadership development progress between courses, learn and apply new material about leadership, and further refine their practice of leadership.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 575 Teams & INC (2 credits)
This course explores and challenges the use of influence, effective negotiation, conflict resolution, and decision-making in organizational settings. Focus is on basic principles, concepts, and theories. The course goal is for students to obtain a theoretical understanding of influence, negotiation, and improve their ability to engage a wide range of situations. Moreover, the course is highly interactive, involves a series of negotiation, and conflict resolution exercises. These exercises are framed, and analyzed in terms of readings, and in-class discussions.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

MGT 581 Leadership & Development (2 credits)
What is leadership? How do I realize my leadership potential? This course is designed for executives who want to develop and hone their leadership skills and approaches. Successful completion of the course will enable participants to (1) identify and understand the keys to successful leadership, (2) analyze their own leadership styles and behaviors and receive feedback on the appropriateness and effectiveness of their styles, (3) develop the decision-making skills needed for leadership, (4) understand approaches for developing and empowering employees, and (5) inspire organizational change. Prerequisite: Waiver or completion of MGT 520
Prerequisites: MPE 6000 or MGT 520 or HSB Waiver with a score of MG520 or MPE 6000 Waiver Score with a score of 1 or MGT 520 Waiver Score with a score of 1
Restrictions: Enrollment is limited to students with a major in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 582 Business Ethics (2 credits)

MGT 591 Business Ethics (2 credits)

MGT 592 Empowering Individuals (2 credits)

MGT 593 Empowering Groups & Teams (2 credits)

MGT 594 Legal Issues in Food Marketing (2 credits)

MGT 600 Global Revolutions & Business (3 credits)

MGT 650 Business Law for Management (3 credits)
This course introduces students to the contemporary legal environment of business. Comprehensive in scope, it examines the court system and the judicial process, as well as areas of substantive law such as torts, contract, criminal, constitutional, administrative, labor, employment, and environmental. Various forms of business organizations, as well as the arena of international law, are also covered. Prerequisite: Completion or waiver of MGT 500.
Prerequisites: MGT 500 or MGT 500 Waiver Score with a score of 1
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.
MGT 651 Career Management in Organ (3 credits)
MGT 652 Conflict Resolution (3 credits)
MGT 653 Leadership in the Mod Organ (3 credits)
MGT 654 Managing Teams (3 credits)
MGT 655 Managing Workforce Diversity (3 credits)
MGT 656 Negotiation Skills (3 credits)
MGT 660 Consulting to Management (3 credits)
MGT 662 Compensation Administration (3 credits)
MGT 663 Organizational Staffing (3 credits)
MGT 665 Managing Nonprofit Organ (3 credits)
MGT 666 Practicum in Non-Profit Organ (3 credits)
MGT 667 Human Resource Fundamentals (3 credits)
MGT 690 Leadership & Development (2 credits)
MGT 770 Management Study Tour (3 credits)
MGT 771 Topics in Human Resources (3 credits)
MGT 772 Topics in Management (3 credits)
MGT 789 Global Bus Strategy Simulation (3 credits)
This course deals with the strategic management of firms that operate in a global environment. It is the capstone class of the online professional MBA and allows you to integrate your previous learning across business disciplines. The course will focus on applying knowledge in a dynamic global setting. It utilizes a strategy simulation software-based game within which teams create virtual firms and compete in a simulated industry. Prerequisites: Completion of all foundation courses and eight or more 545 level and above core and concentration area courses. Permission of Program Director.
Restrictions: Enrollment is limited to Graduate level students.
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 796 Strat Man of Hlth Care Organ (3 credits)
This course is the capstone experience for students selecting the health and medical administration specialization. This course provides the healthcare students with knowledge regarding the formulation and implementation of organizational strategy and business policy processes focused on the healthcare system/industry. Students will be required to apply strategic management principles through the analysis of cases and the health care industry environment. This course is usually taken in the last semester of study. Prerequisites: Completion of all foundation courses and eight or more 545 level and above core and healthcare concentration courses.
Prerequisites: HMS 5015 and HMS 5045 or PMK 600
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 797 Strat Hum Res Mng: Degn & Imp (3 credits)

MGT 798 Capstone (2 credits)
This course is a computer simulation experience designed to integrate and apply knowledge gained throughout the EMBA Program. The focus is on strategic analysis and choice in a team-based and competitive learning environment. Student teams vie for competitive advantage in the industry. The simulation includes a realistic treatment of market and competitive dynamics and is completed over the course of multiple days during the students' final residency in the program.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 799 Business Policy (2 credits)
These seminars will serve as a capstone course for the EMBA Program, focusing on the Strategic Management Process. The seminars will provide an opportunity to learn strategic management concepts and to analyze and develop strategic recommendations using the case study method. The seminars will culminate in an in-class "live case". It is best described as a CEO Intervention.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 5045 Production & Operations Mgt (3 credits)

B.B.A. in International Business
HDC General Education Program (GEP) Requirement
(See Curricula (p. 464).)

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
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<tr>
<td>XXX 104</td>
<td>Adult Student Seminar Selection</td>
<td>3</td>
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<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
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<tr>
<td>Language GEP course</td>
<td>6</td>
<td></td>
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<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
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<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
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</tbody>
</table>
PHL 154  Moral Foundations  3
Philosophical Anthropology course  3
ECN 101  Introductory Economics Micro  3
Natural Science GEP course  3
THE 154  Faith, Justice & the Cath Trad  3
or THE 221  Intro to the New Testament  3
Theology: Religious Difference course  3
Faith and Reason course  3
Select the following:  6-9
   ECN 102  Introductory Economics Macro  3
   Additional course from approved list ¹

¹ List of approved courses varies by major.

### Business Foundation Requirement

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
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<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
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</tbody>
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### International Business Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBU 210</td>
<td>Intro International Business</td>
<td>3</td>
</tr>
<tr>
<td>IBU 310</td>
<td>Managing Foreign Direct Invest</td>
<td>3</td>
</tr>
<tr>
<td>IBU 495</td>
<td>Global Strategic Planning</td>
<td>3</td>
</tr>
<tr>
<td>Select three of the following:</td>
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<td></td>
</tr>
<tr>
<td>ACC 430</td>
<td>International Accounting</td>
<td></td>
</tr>
<tr>
<td>FIN 302</td>
<td>International Finance</td>
<td></td>
</tr>
<tr>
<td>FMK 314</td>
<td>International Food Marketing</td>
<td></td>
</tr>
<tr>
<td>IBU 363</td>
<td>International Business Law</td>
<td></td>
</tr>
<tr>
<td>IBU 370</td>
<td>Intern'l Topics &amp; Study Tour (or approved sub)</td>
<td></td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
<td></td>
</tr>
<tr>
<td>MHC 321</td>
<td>International HR</td>
<td></td>
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<tr>
<td>MKT 331</td>
<td>International Marketing</td>
<td></td>
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</tbody>
</table>

**Note:** International Business majors require two ILC courses and have a total of 6 additional free electives.

### Family Business & Entrepreneurship B.B.A.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBE 230</td>
<td>Intro:Entrepreneur/New Venture</td>
<td>3</td>
</tr>
<tr>
<td>FBE 231</td>
<td>Family Business</td>
<td>3</td>
</tr>
<tr>
<td>FBE 360</td>
<td>Bus Law-Entrepreneurial Firms</td>
<td>3</td>
</tr>
<tr>
<td>FBE 495</td>
<td>Family Bus &amp;Entrepreneur Capstone</td>
<td>3</td>
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</table>

### HDC General Education Program (GEP) Requirement

(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104: Adult Student Seminar Selection</td>
<td>3</td>
<td></td>
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<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>or THE 221</td>
<td>Intro to the New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Theology: Religious Difference course</td>
<td>3</td>
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<td>Faith and Reason course</td>
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<tr>
<td>Select the following: 6-9</td>
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<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>Additional course from approved list ¹</td>
<td>3</td>
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</table>

¹ List of approved courses varies by major.

### Business Foundation Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>
Select two FBE electives from approved MGT, FBE, FIN, FMK or MKT courses.

Note: FBE majors require two ILC courses and have a total of 6 additional free electives.

Family Business and Entrepreneurship Concentration Minor

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essent’ls of Organizational Beh</td>
<td></td>
</tr>
<tr>
<td>MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>MGT 121</td>
<td>Organizations in Perspc Honors</td>
<td></td>
</tr>
<tr>
<td>MGT 361</td>
<td>Introduction to Law Honors</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 360</td>
<td>Legal Environment of Business</td>
<td></td>
</tr>
<tr>
<td>FBE 230</td>
<td>Intro:Entrepreneur/New Venture</td>
<td>3</td>
</tr>
<tr>
<td>FBE 231</td>
<td>Family Business</td>
<td>3</td>
</tr>
<tr>
<td>FBE 360</td>
<td>Bus Law-Entrepreneurial Firms</td>
<td>3</td>
</tr>
<tr>
<td>FBE 495</td>
<td>Family Bus &amp;Entrepren Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Students are responsible for completing prerequisites to FBE 360 and FBE 495 outside the minor.

Family Business and Entrepreneurship Major

Associate Professors
- Patton (Chair)
- Robson
- Saparito

Assistant Professors
- Kury

Visiting Instructor
- Kramer

Substantial research suggests entrepreneurial and family ventures are major contributors to economic and employment growth and represent nearly 50 percent of U.S. gross domestic product. Entrepreneurial and family ventures face many hurdles in achieving success and long-term growth. The major in Family Business and Entrepreneurship is designed to provide students with the tools, theory, and practical knowledge required to launch new ventures and function within a family business environment. Students may also minor in Family Business and Entrepreneurship in support of other academic pursuits. The minor is appropriate for both Haub School of Business and Arts and Science majors alike.

Learning Goals and Objectives Family Business and Entrepreneurship (FBE) Major

**Goal 1:** Communication - Students will communicate effectively through written and oral modes of expression across academic, professional, and social contexts using appropriate technology.

**Goal 2:** Critical Thinking and Inquiry – Students will think critically and construct reasoned arguments to support their positions using skills appropriate to the context, such as deductive reasoning, scientific inquiry, quantitative reasoning, aesthetic judgment, or critical examination of form, style, content and meaning.

**Goal 3:** Ethics, Social Justice, and Ignatian Values – Students will assess ethical issues and social justice within the framework of Ignatian values and will articulate theoretically informed responses to these issues.

**Goal 4:** Diversity - Students will engage respectfully, in a local and global context, with diverse human beliefs, abilities, experiences, identities, or cultures.

**Goal 5:** Discipline or Program Specific Competencies - Students will acquire the essential knowledge and skills to succeed and make well-reasoned judgments personally, professionally, within the field of Family Business and Entrepreneurship.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

NOTES:

1. Check the current Academic Catalog for any pre-requisites to the courses. You are responsible to complete any necessary pre-requisites.
2. Check the Course Schedule for overlays as many ILCs are approved overlay courses.
3. Check with the appropriate department for course scheduling as not all courses are offered every semester.

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses
NOTE: In no case may an ILC course be double counted towards completing other requirements of the Family Business and Entrepreneurship major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Required of All HSB Students</td>
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</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
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<tr>
<td>Select two from the following:</td>
<td></td>
<td></td>
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<tr>
<td>Economic</td>
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<tr>
<td>ECN 321</td>
<td>International Trade</td>
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<tr>
<td>ECN 322</td>
<td>International Macroeconomics</td>
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<tr>
<td>ECN 330</td>
<td>Economics of Labor</td>
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<tr>
<td>ECN 360</td>
<td>Industrial Organization</td>
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<tr>
<td>ECN 370</td>
<td>Economic Development</td>
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<tr>
<td>ECN 375</td>
<td>Environmental Economics</td>
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<tr>
<td>ECN 390</td>
<td>The Economics of Healthcare</td>
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<tr>
<td>ECN 410</td>
<td>Econometrics</td>
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<tr>
<td>ECN 415</td>
<td>Economic Forecasting</td>
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<td>ECN 430</td>
<td>Modern Economic Systems</td>
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<tr>
<td>ECN 445</td>
<td>Ecn. of Multinatrl Enterprises</td>
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<tr>
<td>ECN 460</td>
<td>African Economies</td>
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<td>ECN 465</td>
<td>Consumer Economics</td>
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<td>ECN 470</td>
<td>Ethical Values &amp; the Marketplace</td>
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<td>ECN 477</td>
<td>Chinese Economics</td>
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<td>ECN 480</td>
<td>Ecns of Poverty &amp; Income Diat</td>
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<tr>
<td>ECN 485</td>
<td>Ecns of Migration &amp; Immigratn</td>
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<tr>
<td>English</td>
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<tr>
<td>ENG 206</td>
<td>Public Speaking &amp; Presentation</td>
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<td>ENG 263</td>
<td>Writing for Organizations</td>
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<td>ENG 485</td>
<td>Nature Writing in America</td>
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<tr>
<td>Environmental Science</td>
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<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
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<tr>
<td>Interdisciplinary Health Services Courses</td>
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<tr>
<td>IHS 211</td>
<td>HlthCareSystem/ Responsibility</td>
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<tr>
<td>Philosophy</td>
<td></td>
<td></td>
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<td>PHL 316</td>
<td>Food and Justice</td>
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<td>PHL 326</td>
<td>Philosophy of Sports</td>
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<tr>
<td>Political Science</td>
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<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
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<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
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<tr>
<td>POL 115</td>
<td>Introduction to Global Politics</td>
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<tr>
<td>POL 117</td>
<td>Intro to Political Thought</td>
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<tr>
<td>POL 308</td>
<td>American Political Institution</td>
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<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
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<tr>
<td>POL 311</td>
<td>Const Law::Rights &amp; Civil Lib</td>
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<tr>
<td>POL 313</td>
<td>Public Policy</td>
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<tr>
<td>POL 314</td>
<td>Public Administration</td>
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<tr>
<td>POL 323</td>
<td>Women and American Politics</td>
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<td>POL 324</td>
<td>Race &amp; Ethnic Politics in U.S.</td>
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<td>POL 326</td>
<td>Protesting Inequality</td>
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<td>POL 327</td>
<td>Environmental Politics in Am</td>
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<tr>
<td>POL 331</td>
<td>Latin American Politics</td>
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<tr>
<td>POL 332</td>
<td>Politics of Japan</td>
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<tr>
<td>POL 333</td>
<td>Asian Democ at the Crossroads</td>
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<td>POL 334</td>
<td>Russian Politics</td>
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<tr>
<td>POL 338</td>
<td>Democracy::Perspect. from Rome</td>
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<td>POL 367</td>
<td>Ethics in Intentionl Affairs</td>
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<tr>
<td>POL 368</td>
<td>Women, Gender &amp; World Politics</td>
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<tr>
<td>Psychology</td>
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<td>PSY 100</td>
<td>Introductory Psychology</td>
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<tr>
<td>PSY 123</td>
<td>Psychology of Men and Women</td>
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<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
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<td>PSY 212</td>
<td>Multicultural Psychology</td>
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<tr>
<td>PSY 230</td>
<td>Social Psychology</td>
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<td>PSY 235</td>
<td>Psychology of Gender</td>
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<tr>
<td>Sociology</td>
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<tr>
<td>SOC 101</td>
<td>Intro to Sociology</td>
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<tr>
<td>SOC 102</td>
<td>Social Problems</td>
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<td>SOC 205</td>
<td>Ethnic &amp; Minority Relations</td>
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<td>SOC 208</td>
<td>Sociology of Gender</td>
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<td>SOC 211</td>
<td>Classical Sociological Theory</td>
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<td>SOC 351</td>
<td>Gender and the Law</td>
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<td>SOC 262</td>
<td>White Collar Crime</td>
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<tr>
<td>SOC 316</td>
<td>Fair Trade::Coffee-Co-Op to Cup</td>
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<td>SOC 335</td>
<td>Classes and Power in US</td>
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<td>SOC 345</td>
<td>Law and Social Policy</td>
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<td>SOC 349</td>
<td>Poverty, Ethics &amp; Soc.Policy</td>
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<td>SOC 358</td>
<td>Consumr Cult &amp; Globl Persptve</td>
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<tr>
<td>SOC 363</td>
<td>Phila: In Black and White</td>
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</table>

**Free Electives**

Six courses

**Business Foundation**

Ten courses, including:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency</td>
<td>1</td>
</tr>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
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<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
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<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- MGT 110 | Essent'ls of Organizational Beh     |
- MGT 120 | Essentials of Management           |
- MGT 121 | Organizations in Perspc Honors (University Honors students only) |

- MGT 361 | Introduction to Law Honors (University Honors students only) |
- or MGT 360 | Legal Environment of Business |
- MKT 201 | Principles of Marketing           |
- BUS 495 | Business Policy                    | 4     |
Family Business and Entrepreneurship Major Concentration

Six courses (four required, two elective)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBE 230</td>
<td>Intro:Entrepreneur/New Venture</td>
<td>3</td>
</tr>
<tr>
<td>FBE 231</td>
<td>Family Business</td>
<td>3</td>
</tr>
<tr>
<td>FBE 360</td>
<td>Bus Law-Entrepreneurial Firms</td>
<td>3</td>
</tr>
<tr>
<td>FBE 495</td>
<td>Family Bus &amp; Entrepreneur Capstone (Senior standing)</td>
<td>3</td>
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</tbody>
</table>

Phase Two

Select two of the following electives:

- FBE 330 Social Enterprise & Soc Change
- FBE 270 Spec Topics: FBE
- or FBE 370 FBE Special Topics
- or FBE 470 FBE Special Topics
- FBE 490/491 FBE Internship I
- FBE 493/494 Family, Bus & EntrepResearch I
- FIN 303 Small Business Finance
- FPL 200 Personal Financial Planning
- FPL 301 Estate Planning
- FMK 202 Overview of the Globl Food Ind
- FMK 302 Undrstndg Food Cust & Consumrs
- FMK 312 New Product Development
- IBU 210 Intro International Busines
- LEO 210 Business Stakeholders & Ethics
- LEO 211 Perspectives on Leadership
- LEO 212 Organizational Sustainability
- MHC 220 Intro: Managing Human Capital
- MHC 221 Diversity in the Workplace
- MHC 222 Influence,Negotiation&Conflict
- MHC 360 Employment and Labor Law
- MKT 202 Marketing Research
- RMI 301 Corporate Risk Management

International Business Major

Associate Professors

- Mauri
- Neiva
- Patton (Chair)

Assistant Professors

- Song

Learning Goals and Objectives International Business Major

Goal 1: Communication - Students in the IBU program will demonstrate competency in written and verbal communication aimed at facilitating, and reporting the results of, collaborative problem solving and decision making processes, using appropriate technology

Goal 2: Critical Thinking and Inquiry – Students will think critically and construct reasoned arguments to support their positions using skills appropriate to the context, such as deductive reasoning, scientific inquiry, quantitative reasoning, aesthetic judgment, or critical examination in evaluating how actions managing an international company affect its performance.

Goal 3: Ethics, Social Justice, and Ignatian Values – Students will assess ethical issues and social justice within the framework of Ignatian values and will articulate theoretically informed responses to these issues within the context of International Business.

Goal 4: Diversity - Students will engage respectfully, in a local and global context, with diverse human beliefs, abilities, experiences, identities, or cultures

Goal 5: Discipline or Program Specific Competencies - Students will acquire the essential knowledge and skills to succeed and make well-- reasoned judgments personally, professionally, within the field of International Business that incorporates several business disciplines.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

Integrative Learning Courses

three courses

1. ECN 102 Macroeconomics
2. Advanced Non-Native Modern Language. Take at least one non-native modern language course at the advanced level or higher in the target language beyond the General Education Program requirements in the target non-native modern language. The advanced level begins with course 202 for Western Languages (FRE, GRM, ITA and SPA), and with course 201 for other languages (CHN, JAP and RUS)
3. International Economics/Politics. Take one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 115</td>
<td>Introduction to Global Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>ECN 321</td>
<td>International Trade</td>
<td>3</td>
</tr>
</tbody>
</table>
Business Foundation
Ten courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency</td>
<td>1</td>
</tr>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- MGT 110: Essent'l of Organizational Beh
- MGT 120: Essentials of Management
- MGT 121: Organizations in Perspc Honors (University Honors students)
- MGT 360: Legal Environment of Business
- MGT 361: Introduction to Law Honors (University Honors Students only)
- MKT 201: Principles of Marketing
- BUS 495: Business Policy

Electives
Six courses

Major Requirements
Major Concentration
Six required courses:

Beginning with Class of 2015 through Class of 2018

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBU 210</td>
<td>Intro International Busines</td>
<td>3</td>
</tr>
<tr>
<td>FIN 302</td>
<td>International Finance</td>
<td>3</td>
</tr>
<tr>
<td>IBU 495</td>
<td>Global Strategic Planning (Senior standing)</td>
<td>3</td>
</tr>
</tbody>
</table>

International Business Electives
Select two of the following and one international exposure or three of the following:

- ACC 430: International Accounting
- FIN 302: International Finance
- FMK 202: Overview of the Globl Food Ind
- FMK 314: International Food Marketing
- IBU 363: International Business Law
- IBU: International Bus Spec Topics
- IBU 363: International Business Spec Topics
- IBU 493/494: Internatl Business Research I
- LEO 212: Organizational Sustainability
- MHC 321: International HR
- MKT 331: International Marketing

International Business Electives
Select one of the following:

- IBU 370: Intern'l Topics & Study Tour (or an international study tour offered in HSB (other study tours require pre-approval))
- An approved international course in one of the SJU Summer abroad programs
- A pre-approved course with an international focus while studying abroad
- IBU 490: International Bus Internship

Beginning with Class of 2019

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBU 210</td>
<td>Intro International Busines</td>
<td>3</td>
</tr>
<tr>
<td>IBU 310</td>
<td>Managing Foreign Direct Invest (Junior status)</td>
<td>3</td>
</tr>
<tr>
<td>IBU 495</td>
<td>Global Strategic Planning (Senior status)</td>
<td>3</td>
</tr>
</tbody>
</table>

International Business Minor
6 courses

Beginning with the class of 2015 through Class of 2018

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>IBU 210</td>
<td>Intro International Busines</td>
<td>3</td>
</tr>
</tbody>
</table>
### International Business Elective
Select one of the following: 3
- ACC 430 International Accounting
- FIN 302 International Finance
- FMK 202 Overview of the Global Food Ind
- FMK 314 International Food Marketing
- IBU 310 Managing Foreign Direct Invest (Junior status)
- IBU 363 International Business Law
- MHC 321 International HR
- MKT 331 International Marketing

Select three from the following: 9
- 2 courses in advanced non-native language.
- International Exposure or one additional International Business Elective
- POL 113 Intro to Comparative Politics
  - or POL 115 Introduction to Global Politics
  - or ECN 321 International Trade

### International Exposure
Select one of the following: 3
- An approved international course in one of the SJU Summer abroad programs
- A pre-approved course with an international focus while studying abroad
- IBU 490 International Bus Internship
- IBU 370 Intern'l Topics & Study Tour

International study tour offered in HSB (other study tours require pre-approval)
- MGT 110/120 Essent'ls of Organizational Beh 3

Select one of the following:
- Advanced non-native language
- International Business elective
- POL 113 Intro to Comparative Politics
  - or POL 115 Introduction to Global Politics
  - or ECN 321 International Trade

Note: In no case may an ILC course be double counted towards completing other requirements of the International Business minor.

1. Only a maximum of two may double-count towards other requirements such as Integrated Learning Component or primary major or other minors
2. The advanced level starts with course 202 for Western Languages (FRE, GRM, ITA and SPA) and with course 201 for CHN and JPN
3. or other pre-approved course
4. May only count 1 International Exposure towards satisfying the International Business Electives
5. The advanced level starts with course 202 for Western Languages (FRE, GRM, ITA and SPA) and with course 201 for CHN, JPN and RUS. This course may be taken as part of the GEP non-native language requirement

---

### Leadership, Ethics and Organizational Sustainability Major

**Professors**
- McCall

**Associate Professors**
- Dufresne
- Neiva
- Patton (Chair)
- Steingard

**Assistant Professors**
- Weidner

#### Learning Goals and Objectives Leadership and Organizational Sustainability (LEO) Major

**Goal 1:** Communication - Students will communicate effectively through written and oral modes of expression across academic, professional, and social contexts using appropriate technology

**Goal 2:** Critical Thinking and Inquiry – Students will think critically and construct reasoned arguments to support their positions using skills appropriate to the context, such as deductive reasoning, scientific inquiry, quantitative reasoning, aesthetic judgment, or critical examination of form, style, content and meaning.

**Goal 3:** Ethics, Social Justice, and Ignatian Values – Students will assess ethical issues and social justice within the framework of Ignatian values and will articulate theoretically informed responses to these issues.
**Goal 4:** Diversity - Students will engage respectfully, in a local and global context, with diverse human beliefs, abilities, experiences, identities, or cultures

**Goal 5:** Discipline or Program Specific Competencies - Students will acquire the essential knowledge and skills to succeed and make well-reasoned judgments personally, professionally, within the business discipline of leadership, ethics, and organizational sustainability.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

### General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

### General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

### NOTES

1. Check the current Academic Catalog for any pre-requisites to the courses. You are responsible to complete any necessary pre-requisites.
2. Check the Course Schedule for overlays as many ILCs are approved overlay courses.
3. Check with the appropriate department for course scheduling as not all courses are offered every semester.

### General Education Overlays

See this page about Overlays (p. 27).

### General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

NOTE: In no case may an ILC course be double counted towards completing other requirements of the Leadership, Ethics and Organizational Sustainability major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select two from the following areas:</td>
<td>6</td>
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</table>

#### Economics

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ECN 321</td>
<td>International Trade</td>
</tr>
<tr>
<td>ECN 322</td>
<td>International Macroeconomics</td>
</tr>
<tr>
<td>ECN 330</td>
<td>Economics of Labor</td>
</tr>
<tr>
<td>ECN 360</td>
<td>Industrial Organization</td>
</tr>
<tr>
<td>ECN 365</td>
<td>Game Theory</td>
</tr>
</tbody>
</table>

### Code    Title                      Hours

| ECN 370 | Economic Development               |
| ECN 375 | Environmental Economics            |
| ECN 390 | The Economics of Healthcare        |
| ECN 410 | Econometrics                        |
| ECN 415 | Economic Forecasting                |
| ECN 430 | Modern Economic Systems             |
| ECN 445 | Ecns of Multinatnl Enterprises      |
| ECN 460 | African Economies                   |
| ECN 470 | Ethical Values & the Marketptce     |
| ECN 475 | Asian Economies                     |
| ECN 477 | Chinese Economics                   |
| ECN 480 | Ecns of Poverty & Income Dist       |
| ECN 485 | Ecns of Migration & Immigrtn        |

### English

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 206</td>
<td>Public Speaking &amp; Presentation</td>
</tr>
<tr>
<td>EN 263</td>
<td>Writing for Organizations</td>
</tr>
<tr>
<td>EN 426</td>
<td>Nature Writing in America</td>
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</tbody>
</table>

### Environmental Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
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</table>

### Interdisciplinary Health Services Courses

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<thead>
<tr>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>IHS 211</td>
<td>HlthCareSystem/ Responsibility</td>
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</tbody>
</table>

### Philosophy

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 316</td>
<td>Food and Justice</td>
</tr>
<tr>
<td>PHL 326</td>
<td>Philosophy of Sports</td>
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</tbody>
</table>

### Political Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
</tr>
<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
</tr>
<tr>
<td>POL 115</td>
<td>Introduction to Global Politics</td>
</tr>
<tr>
<td>POL 117</td>
<td>Intro to Political Thought</td>
</tr>
<tr>
<td>POL 308</td>
<td>American Political Institution</td>
</tr>
<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
</tr>
<tr>
<td>POL 311</td>
<td>Const Law:Rights &amp; Civil Lib</td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
</tr>
<tr>
<td>POL 314</td>
<td>Public Administration</td>
</tr>
<tr>
<td>POL 323</td>
<td>Women and American Politics</td>
</tr>
<tr>
<td>POL 324</td>
<td>Race &amp; Ethnic Politics in U.S.</td>
</tr>
<tr>
<td>POL 326</td>
<td>Protesting Inequality</td>
</tr>
<tr>
<td>POL 327</td>
<td>Environmental Politics in Am</td>
</tr>
<tr>
<td>POL 331</td>
<td>Latin American Politics</td>
</tr>
<tr>
<td>POL 332</td>
<td>Politics of Japan</td>
</tr>
<tr>
<td>POL 333</td>
<td>Asian Democ at the Crossroads</td>
</tr>
<tr>
<td>POL 334</td>
<td>Russian Politics</td>
</tr>
<tr>
<td>POL 338</td>
<td>Democracy:Perspect. from Rome</td>
</tr>
<tr>
<td>POL 367</td>
<td>Ethics in Intentionl Affairs</td>
</tr>
<tr>
<td>POL 368</td>
<td>Women, Gender &amp; World Politics</td>
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</tbody>
</table>

### Psychology

<table>
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<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
</tr>
<tr>
<td>PSY 123</td>
<td>Psychology of Men and Women</td>
</tr>
<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Multicultural Psychology</td>
</tr>
<tr>
<td>PSY 230</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>PSY 235</td>
<td>Psychology of Gender</td>
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</table>
Free Electives
Six courses

Business Foundation
Ten courses, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency</td>
<td>1</td>
</tr>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- MGT 110, MGT 120, or MGT 121

Leadership, Ethics, and Organizational Sustainability Major Concentration
Six courses (four required, two elective)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEO 210</td>
<td>Business Stakeholders &amp; Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEO 211</td>
<td>Perspectives on Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>LEO 495</td>
<td>Applied Ldrshp &amp; Sustain Capst</td>
<td>3</td>
</tr>
</tbody>
</table>

Leadership, Ethics and Organizational Sustainability Minor

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 110</td>
<td>Essent'ls of Organizational Beh (University Honors</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Students only)</td>
<td></td>
</tr>
<tr>
<td>MGT 120</td>
<td>Organizations in Perspc Honors (University Honors</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>students only)</td>
<td></td>
</tr>
<tr>
<td>MGT 361</td>
<td>Introduction to Law Honors (University Honors</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Students only)</td>
<td></td>
</tr>
<tr>
<td>or MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>LEO 210</td>
<td>Business Stakeholders &amp; Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEO 211</td>
<td>Perspectives on Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>LEO 495</td>
<td>Applied Ldrshp &amp; Sustain Capst</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Courses in the Haub School of Business core

Leadership, Ethics, and Organizational Sustainability B.B.A.

HDC General Education Program (GEP) Requirement
(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>students)</td>
<td></td>
</tr>
<tr>
<td>XXX 104</td>
<td>Adult Student Seminar Selection</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
</tbody>
</table>
Philosophical Anthropology course 3

ECN 101 Introductory Economics Micro 3

Natural Science GEP course 3

THE 154 Faith, Justice & the Cath Trad 3
or THE 221 Intro to the New Testament

Theology: Religious Difference course 3

Faith and Reason course 3

Select the following: 6-9

ECN 102 Introductory Economics Macro

Additional course from approved list 1

1 List of approved courses varies by major.

**Business Foundation Requirement**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
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<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

**Leadership, Ethics, and Organizational Sustainability Majors**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>LEO 210</td>
<td>Business Stakeholders &amp; Ethics</td>
<td>3</td>
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<tr>
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<td>Perspectives on Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEO 212</td>
<td>Organizational Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>LEO 495</td>
<td>Applied Ldrshp &amp; Sustain Capst</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two electives from approved LEO course listings 6

**Managing Human Capital Major**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHC 220</td>
<td>Intro: Managing Human Capital</td>
<td>3</td>
</tr>
<tr>
<td>MHC 221</td>
<td>Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>or MHC 360</td>
<td>Employment and Labor Law</td>
<td></td>
</tr>
<tr>
<td>MHC 322</td>
<td>Decision Making w/ Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MHC 495</td>
<td>Manag Hr Cap/Resrch/Appl</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two major electives from approved MHC courses 6

**Managing Human Capital Major**

**Associate Professors**
- Patton (Chair)

**Assistant Professors**
- Ford
- Lvina

**Managing Human Capital B.B.A.**

**HDC General Education Program (GEP) Requirement**

(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
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<tr>
<td>XXX 104: Adult Student Seminar Selection</td>
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<td></td>
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<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
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<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
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<tr>
<td>Language GEP course</td>
<td>6</td>
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</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
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<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
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<td></td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>or THE 221</td>
<td>Intro to the New Testament</td>
<td></td>
</tr>
<tr>
<td>Theology: Religious Difference course</td>
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<td></td>
</tr>
<tr>
<td>Faith and Reason course</td>
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<td></td>
</tr>
</tbody>
</table>

Select the following: 6-9

ECN 102 Introductory Economics Macro

Additional course from approved list 1

1 List of approved courses varies by major.
Visiting Instructors
- Alleruzzo
- Lutzow
- Nelson

Learning Goals and Objectives Managing Human Capital (MHC) Majors

Goal 1: Communication - Students will communicate effectively through written and oral modes of expression across academic, professional, and social contexts using appropriate technology.

Goal 2: Critical Thinking and Inquiry – Students will think critically and construct reasoned arguments to support their positions using skills appropriate to the context, such as deductive reasoning, scientific inquiry, quantitative reasoning, aesthetic judgment, or critical examination of form, style, content and meaning.

Goal 3: Ethics, Social Justice, and Ignatian Values – Students will assess ethical issues and social justice within the framework of Ignatian values and will articulate theoretically informed responses to these issues.

Goal 4: Diversity - Students will engage respectfully, in a local and global context, with diverse human beliefs, abilities, experiences, identities, or cultures.

Goal 5: Discipline or Program Specific Competencies - Students will acquire the essential knowledge and skills to succeed and make well-# reasoned judgments personally, professionally, within the business discipline of human resource management and people management in general.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

NOTE: In no case may an ILC course be double counted towards completing other requirements of the Managing Human Capital major.

NOTES
1. Check the current Academic Catalog for any pre-requisites to the courses. You are responsible to complete any necessary pre-requisites.
2. Check the Course Schedule for overlays as many ILCs are approved overlay courses.
3. Check with the appropriate department for course scheduling as not all courses are offered every semester.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
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<tr>
<td>Select two from the following areas:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECN 321</td>
<td>International Trade</td>
<td></td>
</tr>
<tr>
<td>ECN 322</td>
<td>International Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECN 330</td>
<td>Economics of Labor</td>
<td></td>
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<tr>
<td>ECN 360</td>
<td>Industrial Organization</td>
<td></td>
</tr>
<tr>
<td>ECN 365</td>
<td>Game Theory</td>
<td></td>
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<tr>
<td>ECN 370</td>
<td>Economic Development</td>
<td></td>
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<tr>
<td>ECN 375</td>
<td>Environmental Economics</td>
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</tr>
<tr>
<td>ECN 390</td>
<td>The Economics of Healthcare</td>
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<tr>
<td>ECN 410</td>
<td>Econometrics</td>
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<tr>
<td>ECN 415</td>
<td>Economic Forecasting</td>
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</tr>
<tr>
<td>ECN 430</td>
<td>Modern Economic Systems</td>
<td></td>
</tr>
<tr>
<td>ECN 445</td>
<td>Econ. of Multinatnl Enterprises</td>
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<tr>
<td>ECN 460</td>
<td>African Economies</td>
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<tr>
<td>ECN 465</td>
<td>Consumer Economics</td>
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<tr>
<td>ECN 475</td>
<td>Asian Economies</td>
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</tr>
<tr>
<td>ECN 470</td>
<td>Ethical Values &amp; the Marketplce</td>
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<tr>
<td>ECN 480</td>
<td>Ecns of Poverty &amp; Income Dist</td>
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<tr>
<td>ECN 485</td>
<td>Ecns of Migration &amp; Immigratin</td>
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<tr>
<td>English</td>
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<tr>
<td>ENG 206</td>
<td>Public Speaking &amp; Presentation</td>
<td></td>
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<tr>
<td>ENG 263</td>
<td>Writing for Organizations</td>
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<tr>
<td>ENG 426</td>
<td>Nature Writing in America</td>
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<tr>
<td>Environmental Science</td>
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</tr>
<tr>
<td>ENV 102</td>
<td>Environ Theory &amp; Ethics Sem</td>
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<tr>
<td>Interdisciplinary Health Services Courses</td>
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<tr>
<td>IHS 211</td>
<td>HlthCareSystem/ Responsibility</td>
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<tr>
<td>Philosophy</td>
<td></td>
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<tr>
<td>PHL 316</td>
<td>Food and Justice</td>
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<tr>
<td>PHL 326</td>
<td>Philosophy of Sports</td>
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</tr>
<tr>
<td>Political Science</td>
<td></td>
<td></td>
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<tr>
<td>POL 111</td>
<td>Intro to American Politics</td>
<td></td>
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<tr>
<td>POL 113</td>
<td>Intro to Comparative Politics</td>
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<tr>
<td>POL 115</td>
<td>Introduction to Global Politics</td>
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<tr>
<td>POL 117</td>
<td>Intro to Political Thought</td>
<td></td>
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<tr>
<td>POL 308</td>
<td>American Political Institution</td>
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<tr>
<td>POL 309</td>
<td>Advising the Presidency</td>
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<tr>
<td>POL 311</td>
<td>Const Law:Rights &amp; Civil Lib</td>
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<tr>
<td>POL 313</td>
<td>Public Policy</td>
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<tr>
<td>POL 314</td>
<td>Public Administration</td>
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</table>
Managing Human Capital Minor

Six courses

### Business Foundation

Ten courses, including:

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<thead>
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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>ACC 101EC</td>
<td>Excel Competency</td>
<td>1</td>
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<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
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<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- MGT 110: Essentials of Organizational Beh
- MGT 120: Essentials of Management
- MGT 121: Organizations in Perspc Honors (University Honors Students only)
- MGT 360: Legal Environment of Business
- MGT 361: Introduction to Law Honors (University Honors Students)
- MGT 220: Intro: Managing Human Capital
- MGT 221: Diversity in the Workplace
- MGT 495: Manag Human Cap/Resrch/Appl

### Free Electives

Six courses

#### Psychology

- PSY 100: Introductory Psychology
- PSY 123: Psychology of Men and Women
- PSY 200: Personality Psychology
- PSY 212: Multicultural Psychology
- PSY 230: Social Psychology
- PSY 235: Psychology of Gender

#### Sociology

- SOC 101: Intro to Sociology
- SOC 102: Social Problems
- SOC 205: Ethnic & Minority Relations
- SOC 208: Sociology of Gender
- SOC 211: Classical Sociological Theory
- SOC 253: Race and Social Justice
- SOC 262: White Collar Crime
- SOC 316: Fair Trade: Coffee-Co-Op to Cup
- SOC 335: Classes and Power in US
- SOC 345: Law and Social Policy
- SOC 348: Consumer Culture in Global Per
- SOC 349: Poverty, Ethics & Soc.Policy
- SOC 358: Consumr Cult & Globl Persptve
- SOC 363: Phila: In Black and White

### Managing Human Capital Concentration

#### Managing Human Capital Required

- MHC 220: Intro: Managing Human Capital (University Honors students only)
- MHC 221: Diversity in the Workplace
- MHC 495: Manag Human Cap/Resrch/Appl

#### Major Elective

Select three of the following:

- ECN 330: Economics of Labor
- FBE 230: Intro: Entrepreneur/New Venture
- FBE 330: Social Enterprise & Soc Change
- IBU 210: Intro International Business
- LEO 210: Business Stakeholders & Ethics
- LEO 211: Perspectives on Leadership
- MGT 362: Legal Environ't of Business II
- MHC 222: Influence, Negotiation & Conflict
- MHC 320: Career Management
- MHC 321: International HR
- MHC 322: Decision Making w/ Analytics
- MHC 270/370/470: Manage Hum Capital Spec Topics
- MHC 470: Employment and Labor Law
- MHC 471/472: Practicum in Human Capital I
- MHC 490/491: Manage Human Cap Internship I
- MHC 493/494: Manage Human Capital Research I
- SOC 320: Sociology of Work

### Managing Human Capital Minor

Six courses

#### Required Courses

Select one of the following:

- MGT 110: Essentials of Organizational Beh
- MGT 120: Essentials of Management
- MGT 121: Organizations in Perspc Honors (University Honors Students)
- MGT 360: Legal Environment of Business
- MGT 361: Introduction to Law Honors (University Honors Students)
- MGT 220: Intro: Managing Human Capital
- MGT 221: Diversity in the Workplace
- MGT 495: Manag Human Cap/Resrch/Appl

#### Electives

Select one of the following:

- ECN 330: Economics of Labor
- FBE 230: Intro: Entrepreneur/New Venture
Minor in Managing Human Capital

Six courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>HSB Students</strong></td>
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<tr>
<td>MHC 220</td>
<td>Intro: Managing Human Capital</td>
<td>3</td>
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<tr>
<td>or MHC 360</td>
<td>Employment and Labor Law</td>
<td>3</td>
</tr>
<tr>
<td>MHC 322</td>
<td>Decision Making w/ Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MHC 495</td>
<td>Manag Human Cap:Resrch/App</td>
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<tr>
<td><strong>Electives</strong></td>
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<tr>
<td>MHC 221</td>
<td>Diversity in the Workplace (Added)</td>
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<tr>
<td>MHC 222</td>
<td>Influence, Negotiation &amp; Conflict</td>
<td></td>
</tr>
<tr>
<td>MHC 320</td>
<td>Career Management</td>
<td></td>
</tr>
<tr>
<td>MHC 321</td>
<td>International HR</td>
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</tr>
<tr>
<td>MHC 360</td>
<td>Employment and Labor Law</td>
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<tr>
<td>MHC 370/470</td>
<td>Special Topics</td>
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<tr>
<td>MHC 490</td>
<td>Manage Human Cap Internship I</td>
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<tr>
<td>MHC 491</td>
<td>Manage Human Cap Internship II</td>
<td></td>
</tr>
<tr>
<td>MHC 493 &amp; MHC 494</td>
<td>ManageHuman Capital Research I &amp; ManageHuman Capital Research II</td>
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**CA&S Students**

Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Beh</td>
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</tr>
<tr>
<td>MGT 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 121</td>
<td>Organizations in Perspc Honors</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 361</td>
<td>Introduction to Law Honors</td>
<td>3</td>
</tr>
<tr>
<td>MHC 220</td>
<td>Intro: Managing Human Capital</td>
<td>3</td>
</tr>
<tr>
<td>MHC 221</td>
<td>Diversity in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>MHC 360</td>
<td>Employment and Labor Law</td>
<td>3</td>
</tr>
<tr>
<td>MHC 322</td>
<td>Decision Making w/ Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MHC 495</td>
<td>Manag Human Cap:Resrch/App</td>
<td>3</td>
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</tbody>
</table>

NOTE: If HSB students have taken one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>DSS 315</td>
<td>BIA Concepts &amp; Practices</td>
<td>3</td>
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<tr>
<td>FMK 301</td>
<td>Food Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
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</tbody>
</table>

they may substitute any MHC major elective for MHC 322

NOTE: If CA&S students have taken one of the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PSY 211</td>
<td>Stats for the Social Sciences</td>
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</tr>
<tr>
<td>SOC 312</td>
<td>Social Research Methods I</td>
<td>3</td>
</tr>
</tbody>
</table>

they may substitute any MHC major elective for MHC 322

Strategic Human Resource Management M.S.

*Erivan K. Haub School of Business*

*Eric Patton, Ph.D., Chair, Management*

*Jeannine Lajeunesse, M.B.A., Program Director*

*Kate Sonstein, M.B.A – Program Manager/Recruiter*

*Lauren DiNuzzo - Program Administrator, Student Support*
Program Design

The MSSHRM Program is an online program that may be completed on a part-time basis only and is designed specifically for highly motivated individuals. Students complete the program fully online and each course is offered in an 8-week module, with the exception of MHC 797, the capstone course. The intent of the program is to accept only those students who have a high probability of successfully completing the graduate program. Students in the program benefit from weekly, synchronous online class sessions with classmates and their instructor.

The MSSHRM Program at Saint Joseph's University follows an online, cohorted course sequence and students can begin the program in the fall, spring or summer semester.

Admissions Requirements and Procedures

In setting the admissions criteria for the MSSHRM Program, the intent is to accept only those students who have a high probability of successfully completing the graduate program in Human Resource Management at Saint Joseph's University.

Criteria

• Completed online application form;
• Non-refundable $35 application fee;
• Official transcripts indicating receipt of a baccalaureate degree from an accredited college or university;
• A course-by-course evaluation is required for applicants with undergraduate degrees earned outside the United States. This evaluation will be performed by the Office of Graduate Operations at SJU and only official transcripts will be accepted.
• Official Miller Analogy Test (MAT), GMAT, or GRE score taken within five years of application (there are opportunities to waive these tests. Information about waivers for these exams may be obtained from the director of the MSMHC Program);
• Two (2) letters of recommendation from former professors, employers, or both;
• Written statement or essay of academic or career goals; and
• Current resume.

Applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements to take the exam should be made by writing directly to:

TOEFL
Box 6151
Princeton, NJ, USA 08541-6151

Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Language Center on the Saint Joseph's University campus. A minimum score of 550, Internet-based TOEFL 80, or 213 on computerized test on the TOEFL is required to take any course in the program. An official IELTS score of 6.5 or official PTE score of 60 is also acceptable. Qualified students who complete Level 112 at the ELS Language Center and receive a strong, positive letter of recommendation from the Center can begin their MSMHC studies without the official TOEFL score.

Transfer of courses

Students may transfer up to six credit hours (2 courses) towards the MSSHRM degree from an accredited college or university, provided the student earned a grade of B or better and courses align with the coursework in the MSSHRM Program. All transfer of credits requires approval by the Chair of the Management Department.

Retention Policies

Grading, Probation, Dismissal, and Failure

The grading system in effect at Saint Joseph's University will apply to courses in the Master of Science Program. As per University guidelines for graduate study, a student enrolled in a Master of Science program who receives a single grade of C or below for three (3) credit hours will receive a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so notified in writing. Students who receive a grade of C or below for nine (9) credit hours will be dismissed from the program.

Graduate students must fulfill all credit hour requirements for the Master of Science degree. Each candidate for graduation must have at least a 3.0 cumulative GPA, no more than two grades of C, and no F grades outstanding in order to be certified for graduation. The student, with support from the Program Director and Student Records Offices, is responsible for monitoring their own academic progress throughout the course of the program.

Retention Processes and Policies

Students enrolled in the M.S. in Strategic Human Resource Management have six years to complete their M.S. degree from Saint Joseph's University. This six-year limit begins with the student's first core course registration. Extensions beyond this limit may be made only with the approval of the Dean, and only for unusual and serious circumstances.

Students who exceed the time limit to complete the M.S. Program will be dismissed from the program. Such students may reapply for admission into the program as new students and start the program with no credit from previous courses taken.

Graduation/Commencement Policies

Students must complete all course requirements prior to graduation. Upon petition to the Program Director, students may be permitted to take part in commencement exercises if they will be completing their graduate studies by August.

Computer Usage

This online program requires students to have access to a computer (with microphone), headset, and a DSL internet connection. Each student must participate in weekly, synchronous online class sessions with their professor and classmates.

Inquiries:

Contact (866) 758-7670 (https://academiccatalog.sju.edu/business/management/ms-managing-human-capital-program/tel:8667587670) to speak with an admissions representative or request more information (http://online.sju.edu/request-more-information).
Web site: http://online.sju.edu/programs/masters-in-human-resources-management

MS in Managing Human Capital Goals and Objectives

Strategic Integration of Human Resources: Students will understand and apply knowledge of Human Resources’ integrative, strategic business partner function to all levels and operations of the organization.
Leading Change in Human Resources: Students will acquire and apply leadership and change agent skills necessary to increase an organization’s capacity for change.

Functional Human Resources Skills: Students will learn skills germane to success as a Human Resources professional including: survey administration, program evaluation, and human resource information systems.

Employee Advocacy in the Ignatian Tradition: Students will learn and demonstrate knowledge regarding the central role of employees in Human Resources. Moreover, in line with Ignatian values underpinning the program, students will learn to balance “compassion” and “justice” in dealings with employees of the organization.

Curriculum
The MSSHRM online curriculum consists of 33 credits (11 courses) that are designed to cover the common body of knowledge required in the field of human capital management. The depth and breadth of courses allow students to develop expertise that allows the leveraging of people assets within an organization.

The final core course in the program (MGT 797 Managing Human Capital: Strategy and Application) is the capstone of the MSSHRM curriculum, in which students integrate the theories and practices studied throughout the degree and apply their knowledge in the field. This course requires a capstone project offered in a 16 week module.

Program Course Schedule
Online MSMHC courses are available to MSSHRM students only. Each of the 11 program courses is offered in an eight-week online module (with the exception of MHC 797).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Semester I</td>
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<tr>
<td>MHC 560</td>
<td>Strategic Human Cap&amp;Talent Mgt</td>
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<tr>
<td>MHC 667</td>
<td>Human Resource Fundamentals</td>
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<tr>
<td>Semester II</td>
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<tr>
<td>MHC 561</td>
<td>Human Cap Research Meas&amp;Metric</td>
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<td>Semester III</td>
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<td>MHC 662</td>
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<td>MHC 663</td>
<td>Talent-Selection &amp; Retention</td>
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<td>Semester IV</td>
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<td>MHC 562</td>
<td>Employment &amp; Labor Law</td>
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<td>MHC 563</td>
<td>Human Resource Technology</td>
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<td>Semester V</td>
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<tr>
<td>MHC 797</td>
<td>Manage Hum Cap:Strategy&amp;App</td>
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<tr>
<td>Semester VI</td>
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<td></td>
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<tr>
<td>MHC 554</td>
<td>Ethical Practices in Business</td>
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</tr>
<tr>
<td>MHC 564</td>
<td>Finance &amp; Acc for Managers</td>
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Course Sequence
Core courses in the MSSHRM Program are designed to ensure that courses are integrated and build students’ cumulative knowledge to achieve the overarching objective of the program - to create strategic leaders. Online MSSHRM courses are only available to students enrolled in the MSSHRM program, or with permission of the Chair of the Management Department.

Sequence of Synchronous Online Courses
The MSSHRM Program offers a sequenced, online curriculum that requires students to participate in live, online course sessions once a week, per module. These online sessions are typically held in the evening, after 6pm.
MARKETING

Mission
The Marketing Department offers a rigorous education in the theory and practice of Marketing that provides students with the knowledge, skills and experience they need to stand out from the crowd in today’s ever changing and challenging marketplace. With concentrations in General Marketing, Sports and Entertainment Marketing, and, Advertising and Promotions, students can hone their skills in specific disciplines while making industry connections.

SJU graduates leave Hawk Hill with a well-rounded knowledge base of ethics, strategy, global commerce, technology, analytics and more, that will make them more versatile and desired in their chosen fields. A Marketing degree from Saint Joseph’s University opens the door to successful careers in communications, sales, consumer products, retail, sports, entertainment and health care to name a few. Many graduates return to Hawk Hill to recruit current students to carry on the tradition of SJU student achievements.

Want to get involved? The award-winning student chapter of the American Marketing Association is a great a way to start. The AMA hosts many Marketing-related events on campus, including networking panels, industry guest speakers and service projects. Or try the campus radio station—Radio 1851—or its record label—1851 Records (founded by professor and former radio executive Dr. David Allan)—to get experience in Entertainment Marketing. The Sports Marketing Club puts students in touch with sports executives from all aspects of the business and also hosts many networking events and field trips.

SJU Marketing students interact with a diverse faculty comprised of world-renowned scholars, industry experts and corporate executives, all of whom are dedicated to developing our students both in and out of the classroom. Our strong industry ties offer ample “real world” experience via guest speakers, field trips, case studies and internships.

Offerings
The Marketing Department offers a variety of programs allowing students to build a solid foundation in core Marketing concepts as well as probe their interest in specialized fields. Three degrees are available:

- a B.S. in General Marketing
- a B.S. in Sports Marketing and
- a B.S. in Entertainment Marketing.

So whether one’s goal is to be an advertising icon, an Internet Whiz, a team executive or a talent agent, the path to success starts here at Saint Joseph’s Marketing Department.

For students who are majoring in other subjects within the Haub School of Business or in the College of Arts & Sciences, certain courses (as described below) may count towards minor requirements in:

- Advertising & Promotions
- Communications Studies
- Entertainment Marketing
- General Marketing
- Music
- Sports Marketing

Professor: David Allan, Ph.D.; Diane M. Phillips, Ph.D.; Michael Solomon, Ph.D.
Associate: Brent Smith, Ph.D.; Feng Shen, Ph.D.; Janée Burkhalter, Ph.D.; Natalie T. Wood, Ph.D.
Assistant: Chan Y. Yoo; Matthew E. Sarkees Ph.D.; Stephanie A. Tryce, J.D.
Visiting: Donna Falgiatore, M.B.A.; Noni Zaharia, Ph.D.

Chair: Wood

Undergraduate
- Entertainment Marketing (p. 555)
- Marketing (p. 558)
- Sports Marketing (p. 560)

Undergraduate Minors
- Advertising and Promotions (p. 554)
- Entertainment Marketing (p. 556)
- Marketing (p. 559)
- Sports Marketing (p. 561)

Other Minors
The General Marketing curriculum allows for several minors that are offered in conjunction with the College of Arts & Sciences. Students can easily accommodate these minors by using their general electives to fulfill the remaining course requirements. Double minors require approval of the Marketing Department Chair. These minor fields of study include:

- Communications Studies Minor (p. 132)
- Music Industry Minor (p. 355)

Graduate
- Master of Science in Marketing (p. 556)

Adult Undergraduate
- Entertainment Marketing (p. 554)
- Marketing (p. 556)
- Sports Marketing (p. 559)

MKT N001 Non-Credit Bus Communications (1 credit)
MKT N002 Non-Credit Client Service (1 credit)
MKT 150 People, Planet and Profit (3 credits)
The purpose of this freshman seminar is to help students understand the responsibility they have to live a more sustainable lifestyle, persuading others to live a sustainable lifestyle, and acting as key influencers in persuading businesses and other organizations in becoming more sustainable. As the title of the class indicates, students learn how individuals, the environment, and organizations can exist in harmony with one another.
Restrictions: Enrollment limited to students with a class of Freshman.
Attributes: First-Year Seminar, Undergraduate

MKT 201 Principles of Marketing (3 credits)
In today’s Marketing environment, information is power. An in-depth study of the various steps of the market research process from problem definition to data analysis. Focus on the use of market research techniques and technology as applied to marketing planning, product development, performance monitoring and marketing communications.
Prerequisite: MKT 201.
Attributes: Undergraduate
MKT 202 Marketing Research (3 credits)
In today’s Marketing environment, information is power. An in-depth study of the various steps of the market research process from problem definition to data analysis. Focus on the use of market research techniques and technology as applied to marketing planning, product development, performance monitoring and marketing communications. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 211 Honors Principles of Marketing (3 credits)
Brands, sports teams, charities, politicians and entertainers all depend on Marketing to stand out from the crowd. An introduction to the theory and practice of Marketing—the process of building strong relationships with customers by meeting or exceeding their needs. In this course, you will review the basic concepts of Marketing from “STP” (Segmenting, Targeting & Positioning) to the “4 Ps” (Product, Promotion, Price & Place). The broad social, cultural, political and economic issues that impact Marketing are also examined. Limited to students in the Honors Program. Prerequisites: (ECN 1011 or ECN 1015) or ECN 101

MKT 295 Independent Study Marketing (3 credits)
Breaking through the "clutter" to gain the customer's attention is a never-ending challenge. An inclusive review of the various elements of Integrated Marketing Communications and how they are used to successfully engage the target audience. Topics such as advertising, digital/alternative media, public relations and sales promotion are addressed from creative development to media selection to execution with the goal of communicating to constituents with one clear voice. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 301 Integrated Mkgt Communications (3 credits)
Understanding what makes customers "tick" is the foundation of successful Marketing. A study of how consumer and business needs and wants are converted into satisfactions, with primary emphasis on the core consumer psychological processes that underlie consumer decision making. The course highlights major consumer behavior models, current research on consumer behavior, and the socio-cultural issues that influence consumers. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 302 Consumer & Buyer Behavior (3 credits)
This course is for Communications Studies students who will not take Principles of Marketing (MKT 201). Topics such as advertising, digital/alternative media, public relations and sales promotion are addressed from creative development to media selection to execution with the goal of communicating to constituents with one clear voice. Not available to Marketing majors or minors.
Attributes: Undergraduate

MKT 303 MKT Communications (non-Bus) (3 credits)
This course provides insight to the fundamentals of digital marketing and web analytics. In this course students will learn how to use various online tools to develop successful campaigns. Topics covered include, search engine marketing (SEM), search engine optimization (SEO), internet and mobile advertising, social media and web analytics. Prerequisites: MKT 201 and MKT 301 or MKT 303.
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303 or FMK 303 or MKT 316)
Attributes: Diversity Course (New GEP), Undergraduate

MKT 313 Ethics in Marketing (3 credits)
With almost lightning speed, technology has changed the way we learn, communicate, forge relationships and shop. Explore the growing popularity of using digital technologies to reach consumers and further your working knowledge of the four zones of social media (community, publishing, entertainment & commerce). Prerequisite: MKT 201
Prerequisites: MKT 201 or MKT 211
Attributes: Ethics Intensive (New GEP), Undergraduate

MKT 314 Social Media Marketing (3 credits)
With almost lightning speed, technology has changed the way we learn, communicate, forge relationships and shop. Explore the growing popularity of using digital technologies to reach consumers and further your working knowledge of the four zones of social media (community, publishing, entertainment & commerce). Prerequisite: MKT 201
Prerequisites: (MKT 201 or MKT 211) or MKT 301
Attributes: Undergraduate

MKT 315 Mkt in a Multicultural World (3 credits)
The American demographic landscape is shifting dramatically and Marketing must strive to keep up. Discussion of the challenges and opportunities for marketers wishing to target various ethnic groups in the United States. Topics include how to develop Marketing strategies and refine the Marketing mix to best serve and research these different and changing groups. Prerequisites: MKT 201 and MKT 301 or MKT 303.
Prerequisites: (MKT 301 or MKT 211) or MKT 301
Attributes: Undergraduate

MKT 316 DigitalMarketing& WebAnalytics (3 credits)
This course provides insight to the fundamentals of digital marketing and web analytics. In this course students will learn how to use various online tools to develop successful campaigns. Topics covered include, search engine marketing (SEM), search engine optimization (SEO), internet and mobile advertising, social media and web analytics. Prerequisites: MKT 201 and MKT 301 or MKT 303.
Prerequisites: MKT 201 and (MKT 301 or MKT 303)
Attributes: Undergraduate

MKT 321 Advertising (3 credits)
Advertising has come a long way from the days of "Mad Men", yet it is still the most prominent and glamorous component of the communications mix. An effective ad should inspire us to buy, click, donate or even vote. This course will examine the elements of successful Advertising from strategy and development to execution and evaluation. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or PMK 351 or FMK 303 or MKT 303)
Attributes: Undergraduate

MKT 322 Adver & Promo Management (3 credits)
MKT 323 Media Management (3 credits)
MKT 324 Public Relations and Publicity (3 credits)
Is all PR really good PR? The concepts, history, theory, social responsibility and management of Public Relations and its role in the communications mix. This course will survey PR problems and practices in corporations, government agencies, associations and not-for-profit organizations. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303 or PMK 351 or FMK 303)
Attributes: Undergraduate
MKT 325 Fundamentals of Design (3 credits)
A “hands on” course where you will learn graphic skills that are the technical foundation for transforming advertising concepts into effective visual communications. Extensive use of current online graphics programs. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303)

MKT 326 Media Now (3 credits)
This course will introduce students to the institutional, political and economic forces that shaped the development of media, including ownership structures, corporate practices, and state policy interventions affecting media institutions in both the public and private sectors. Students will also analyze the interrelations between Cultural, Multicultural and Communication Policy interventions. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303 or PMK 351 or FMK 303)
Attributes: Undergraduate

MKT 327 Global Marketing Communications (3 credits)
This course uses writing to help students understand the various problems and opportunities of globalization as applied to marketing communications. The fundamental principle is that knowledge of cultural specifics or value paradoxes is the basis of effective global marketing communications strategies, and the main dispute in global marketing communications should not just be about the efficiency of standardization but more about the effectiveness of cultural segmentation. Prerequisites: MKT 201 and MKT 301 or MKT 303.
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303 or PMK 351 or FMK 303)
Attributes: Diversity Course (New GEP), Undergraduate, Writing Intensive Course- GEP

MKT 331 International Marketing (3 credits)
Marketing is going global at a rapid pace. A multi-faceted study of the concepts, methods and challenges of conducting business in international markets. The economic, political, cultural and geographical factors affecting multinational marketers are addressed from the perspective of various stakeholders including customers, exporters and local businesses. Prerequisite: MKT 201.
Prerequisites: (MKT 1011 or MKT 1015) or MKT 201
Attributes: Globalization Course (New GEP), Undergraduate

MKT 341 Music Marketing (3 credits)
A course for individuals considering a career in Music Marketing or the Music Industry minor. Examines the use of music in marketing often called audio branding. Using popular press and case studies, this course looks at the integration of music in advertising, television, sports, film and other media.
Attributes: Music Industry Course, Undergraduate

MKT 342 Music and Entertainment Law (3 credits)
A discussion of the legal issues in the entertainment industry from the perspective of various stakeholders including artists, writers, agents, producers and distributors. Using a legal framework, students will examine a variety of entertainment scenarios including concerts, shows, radio and TV. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Music Industry Course, Undergraduate

MKT 343 Entertainment Marketing (3 credits)
Entertainment can be viewed as both a ‘product’ and as a promotional tool. Learn about entertainment industry Marketing practices as well as the organizations and people who conceive of, create and distribute entertainment properties including television, film, music, gaming and theater. Prerequisite: MKT 201
Prerequisites: MKT 201 or MKT 211

MKT 344 Business of Recorded Music (3 credits)
This course focuses on the structure and function of the recording industry and the role of various participants. It examines past, present and future business models employed by recording companies as they relate to recorded music’s value chain.

MKT 350 Event Marketing (3 credits)
The use of Event Marketing as a strategy to reach consumers beyond traditional, cluttered advertising mediums. You will learn how to plan and execute events, and use events to effectively engage prospective consumers, build brand awareness, and market a company’s products and services. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 351 Business of Sports (3 credits)
A look at professional and college sports as big business including league structure; ownership and franchise values; sources of revenue; sports media; labor issues; competitive balance; and the economic and financial aspects of college athletic departments. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 352 Sports Law (3 credits)
Many of today’s sports headlines have little to do with wins and losses. A discussion of the legal issues related to sports, from managing sports-related businesses to working as a sports agent or a university athletic director. Students will delve into existing sports business lawsuits and collective bargaining agreements to stimulate discussion and formulate answers to practical sports business problems.
Restrictions: Students with a class of Freshman may not enroll.
Attributes: Undergraduate

MKT 353 Sports Marketing (3 credits)
Sports Marketing has become increasingly sophisticated over the last decade as teams compete for the entertainment dollar. A study of marketing, promotion, sales and sponsorship strategies utilized in the sports industry by both sports properties and brand partners. Prerequisite: MKT 201
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 354 The Business of Baseball (3 credits)
MKT 355 Sports, Selling & Sales (3 credits)
Learn how to develop the skills essential to effectively building sales and revenue within a sports business and leverage the various revenue producing opportunities within a sports franchise or organization. The course will explore critical factors in successfully renewing and growing sales with both consumers and corporate partners. Prerequisites: MKT 201 and MKT 351. Co-requisite: MKT 353.
Prerequisites: MKT 351 and MKT 353 (may be taken concurrently)
MKT 356 Sports Media (3 credits)

MKT 358 College Athletics (3 credits)
Principles and practices of running the business of college athletics in an NCAA institution. Discussion of the roles and responsibilities of the athletic director and staff, compliance officers, coaches, and marketing personnel, as well as issues related to conformance to NCAA regulations and racial and gender equity in the business of college athletics. Prerequisites: MKT 201 and MKT 351. Co-requisite: MKT 353.
Prerequisites: MKT 201 and MKT 351 and MKT 353 (may be taken concurrently)

MKT 361 Sports Licensing & Merchandise (3 credits)

MKT 362 Digital Media in Sports (3 credits)
This course will review the sports digital landscape including current issues, best practices, branding, mobile sports, ticketing, fantasy sports and e-commerce. Prerequisites: MKT 201 and MKT 351. Co-requisite: MKT 353.
Prerequisites: MKT 351 and MKT 201 and MKT 353 (may be taken concurrently)

MKT 363 Sports Analytics (3 credits)
The use of data and quantitative methods to measure performance and make decisions in the competitive sports arena. The analytical skills learned in this course can be applied to various industries beyond sports. Prerequisites: MKT 201.
Prerequisites: MKT 201
Attributes: Undergraduate

MKT 370 Spec Topics:Sports Marketing (3 credits)
This course will be offered periodically on a topic of interest in the field of Marketing as chosen by the instructor. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 401 Marketing Strategy (3 credits)
Pulling it all together is the focus of this Marketing capstone course, whereby students apply the Marketing knowledge acquired from previous Marketing courses. Students will conduct in-depth analysis of consumer, industrial and not-for-profit Marketing issues. Cases dealing with product innovation and development, Marketing demand, pricing, distribution and promotion will also be explored. Can only be taken during the senior year.
Prerequisites: MKT 201, MKT 202, MKT 301 and MKT 302.
Prerequisites: (MKT 201 or MKT 211) and MKT 202 and MKT 302 and (MKT 301 or MKT 303)
Restrictions: Enrollment limited to students with a class of Junior or Senior.
Attributes: Undergraduate

MKT 450 Marketing Study Tour (3 credits)
A specially designed international tour to varying countries which offers students a unique opportunity to study international business and develop a better understanding of the global marketing environment—its dimensions, participants, trends and opportunities. Students will also experience the heritage, ambiance, and excitement of the world's great countries and cities. Prerequisite: MKT 201.
Attributes: Undergraduate

MKT 490 Internship in Marketing I (3 credits)
An on-the-job experience whereby students spend a minimum of fifteen hours a week applying Marketing principles for an approved employer. All students must take MKT 201 as a pre-requisite to any internship. A minimum GPA of 2.5 is required. Students who have a GPA of 3.0 or higher may take this course after completing one other MKT course. Students with a GPA of 2.5-3.0 must take three other MKT courses prior to doing an internship. Course requires approval of Marketing Department Internship Coordinator prior to registration.
Prerequisites: (MKT 201 or MKT 211) and MKT 351 and MKT 353
Attributes: Undergraduate

MKT 491 Internship in Marketing II (1,3 credits)
This course is meant for students with an internship opportunity, for which the prospective employer requires university credits, and who have already completed a three-credit internship. The course is limited to General and Sports Marketing majors who have completed MKT 201 plus a three-credit internship. Course requires approval of Marketing Department Internship Coordinator prior to registration. This practicum does not satisfy any major or minor requirements. Grade will be Pass/ Fail.
Prerequisites: (MKT 201 or MKT 211) and MKT 351 and MKT 353 and (MKT 490 or MKT 497)
Attributes: Undergraduate

MKT 492 Marketing Internship (1 credit)

MKT 493 Indep Study in Marketing I (3 credits)

MKT 494 Indep Study in Marketing II (3 credits)

MKT 497 Sports Mktg Internship Summer (3 credits)

MKT 499 Research Practicum (3 credits)
Take your research skills to the next level while developing the insights needed to make effective Marketing decisions. Prerequisites: MKT 201 and MKT 302
Prerequisites: MKT 201 and MKT 202
Attributes: Undergraduate

MKT 501 Marketing Concepts (3 credits)
An introduction to the theory and practice of Marketing—the process of building strong relationships with customers by meeting or exceeding their needs. After developing a basic foundational knowledge of key Marketing principles, you will apply what you learned to developing effective Marketing strategies.
Restrictions: Enrollment is limited to Graduate level students.

MKT 509 Curricular Practical Training (1 credit)

MKT 521 Marketing Concepts (2 credits)
This course is intended to provide an overview of the philosophy and organization of marketing, the concepts of marketing planning and strategy, the impact of the macro and task environments on the marketing function, the marketing research function and the process of managing marketing information flows, and the major elements of marketing programs. The concepts of positioning, segmentation and targeting will be highlighted, along with discussion of product planning and development, and the elements of the marketing mix.

MKT 530 Marketing Foundation (2 credits)
The course sets the stage for future study by taking students through the marketing fundamentals beginning with strategy, target marketing and opportunity analysis, then developing product, price, distribution, and promotion (the 4 Ps), and an introduction to customer-driven marketing strategy
MKT 531 Integrated Mkrg Communications (1 credit)
This course is designed to introduce the student to the important elements of effective and integrated Marketing Communications (IMC) including advertising, sales promotion, personal selling, publicity, public relations, interactive marketing, and direct marketing. As well as the numerous facets of traditionally IMC, students will learn how emerging strategies as well as internet and search marketing are playing more critical roles in developing effective integrated marketing campaigns.

MKT 545 Graduate Marketing Gateway (3 credits)
The issue of environmental sustainability is no longer a "fringe" issue. Instead, the issue of environmental sustainability requires a paradigm shift in the way managers think about their own role within the broader scope of the global community. Businesses that are more sustainable are more competitive, more innovative, have lower costs, and attract better talent. Prerequisite: MKT 501 or equivalent.
Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.
Attributes: Gateway Course (Grad HSB)

MKT 550 Marketing Strategy (3 credits)
This course will prepare students to guide the development, application, and assessment of business strategy from a customer-focused, market-sensing, and competitor-driven perspective. Learn how the fundamentals of strategic thought -- such as the resource-based view and market orientation -- can inform decisions to enter new markets, make market driven, drive markets, position brands, and create and measure customer value. Lessons will be delivered through a combination of texts, case studies, marketing metrics exercises, videos, and applied projects. Prerequisite: MKT 501 or equivalent.
Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 602 Promotional Strategy (3 credits)
Breaking through the "clutter" to gain the customer's attention is a never-ending challenge. An inclusive review of the various elements of Integrated Marketing Communications and how they are used to successfully engage the target audience. Special emphasis is placed on media selection, the creative process, promotion planning and the allocation of resources as promotional tools. Prerequisite: MKT 550.
Prerequisites: (MKT 4015 or MKT 550 or MBA 4615)
Restrictions: Enrollment is limited to Graduate level students.

MKT 604 International Marketing (3 credits)
Marketing is going global at a rapid pace. A multi-faceted study of the concepts, methods and challenges of conducting business in international markets. The economic, political, cultural and geographical factors affecting multinational marketers are addressed from the perspective of various stakeholders including customers, exporters and local businesses. Prerequisite: MKT 550.
Prerequisites: (MKT 4015 or MKT 550 or MBA 4615)
Restrictions: Enrollment is limited to Graduate level students.

MKT 605 Research in Marketing (3 credits)
Today's marketers need to expand beyond conceptual marketing and embrace new sources of information and technology using marketing research, data mining and computer decision models to make marketing decisions. In this course, we integrate concepts, analytic marketing techniques and a software toolkit to train the new generation of marketers to become successful marketing managers. Prerequisite: MKT 550.
Prerequisites: MBA 4615 or MKT 550
Restrictions: Enrollment is limited to Graduate level students.

MKT 606 Consumer Behavior (3 credits)
Marketing begins and ends with the customer, from determining customers' needs and wants to providing customer satisfaction and maintaining customer relationships. This course highlights major consumer behavior models, current research on consumer behavior, and the socio-cultural issues that influence consumers with the goal of understanding how they can be used to improve marketing decision-making. Prerequisite: MKT 550.
Prerequisites: MBA 4615 or MKT 550
Restrictions: Enrollment is limited to Graduate level students.

MKT 607 The Business of Sports (3 credits)
A look at professional and college sports as big business including league structure; ownership and franchise values; sources of revenue; sports media; labor issues; competitive balance; and the economic and financial aspects of college athletic departments. Prerequisite: MKT 550.
Prerequisites: MKT 550 or MBA 4615
Restrictions: Enrollment is limited to Graduate level students.

MKT 608 Marketing and Social Media (3 credits)
Technology has changed the way we learn, communicate, forge relationships and shop. In this class, you will learn how to build a great brand using digital tools such as social networking, blogging virtual worlds, podcasting and mobile applications. Prerequisite: MKT 550
Prerequisites: MKT 550 or HSB Waiver with a score of MK550 or MGT 550
Placement Score with a score of 1
Restrictions: Enrollment is limited to Graduate level students.

MKT 609 Marketing Analytics (3 credits)
This application-oriented course introduces quantitative analytic concepts that can inform marketing decisions, assess marketing performance, and detail return on marketing investment. Using spreadsheets, data mining and computer-based models, students will learn how to determine market size and share, identify segments and positioning characteristics, interpret surveys, understand cost and pricing, and optimize distribution. Prerequisite MKT 550
Prerequisites: MKT 550

MKT 610 DigitalMarketing& WebAnalytics (3 credits)
This course provides insight to the fundamentals of digital marketing and web analytics. In this course students will learn how to use various online tools to develop successful campaigns. Topics covered include, search engine marketing (SEM), search engine optimization (SEO), internet and mobile advertising, social media and web analytics. Prerequisite: MKT 550
Prerequisites: MKT 550
Restrictions: Enrollment is limited to Graduate level students.

MKT 611 Global Marketing Concepts (3 credits)

MKT 612 Global Cultures and Consumers (3 credits)
This course examines the basic concepts and principles in consumer behavior with the goal of understanding how these ideas can be used in marketing decision making. It approaches these phenomena within a global framework that emphasizes the importance of the cultural dynamics that influence the meaning of consumption and of consumer behavior around the world. Prerequisites: MKT 501 or equivalent and permission of Program Director.
Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.
MKT 613 International Channel Management (3 credits)
An introduction to cycle of goods (the Channels) from the starting point of sourcing through to payment by the end-user, with a strong focus on the international aspects of moving goods. These core processes involve the traditional functional boundaries and encompass important activities such as information management; inventory flow scheduling and control; logistics-production coordination; international transportation systems operation and infrastructure; and customer service, order fulfillment, and distribution facilities management. Prerequisites: MKT 501 or equivalent and permission of Program Director.

Prerequisites: MKT 501 or MKT 201 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 614 International Marketing Research (3 credits)
This course exposes the student to research methodology, and qualitative and quantitative data analytic methods that can be applied to marketing decisions. It addresses general and contemporary issues in consumer behavior, product development, pricing, promotion, and channels in the international marketing context. Permission of Program Director required.

Prerequisites: MKT 501 or MKT 501 Waiver Score with a score of 1 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 615 Emerging Markets (3 credits)

MKT 616 Global Marketing Communications (3 credits)
An inclusive review of the various elements of Integrated Marketing Communications and how they are used to successfully engage customers including advertising, public relations, sales promotion, direct marketing, e-commerce, event planning, and sponsorships. Students will also explore the role of cultural differences, social-political issues, and global communications institutions in helping multinational organizations communicate with target audiences. Prerequisites MKT 501 or equivalent and permission of Program Director.

Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 617 Quantitative Methods for International Marketing (3 credits)

MKT 618 International Product Development & Brand Mgmt (3 credits)
This course is designed to emphasize the interdisciplinary nature of complex problems in developing and marketing products and services. Students will be exposed to a variety of planning concepts and tools that are available to managers to assist with the creation and management of products and services for the international market. In addition, this course examines brand equity and brand management from a global perspective. Prerequisites: MKT 501 or equivalent and permission of Program Director.

Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 620 Customer Analytics (3 credits)
This course will focus on the capture, analysis, and utilization of data related to consumer/customer behavior, preferences, and other characteristics. Students will learn how to produce effective data capture methods such as surveys, online intercepts (e.g., cookies, social media), retail panel data, and so on. Students will also develop skills in using software applications for understanding market segmentation, consumer preferences, product positioning, consumer sentiment, and general data visualization.

MKT 621 Qualitative Marketing Research (3 credits)
This course helps develop knowledge and skills in the application and use of qualitative research techniques to develop customer insights. The course provides a survey of qualitative research methods paired with relevant exemplars in various marketing domains. Students will learn best practices for data collection and analysis as well as presentation and application of findings.

Prerequisites: MKT 550

MKT 622 Advertising & Consumer Insight (3 credits)
This course introduces students to advertising theory and techniques related to the strategic engagement of consumers via print, electronic, and other media. Students will be exposed to a variety of advertising metrics, key performance indicators, data sources, and analytical tools utilized in the advertising field.

MKT 623 Predictive Analytics for MKT (3 credits)

MKT 650 Marketing Study Tour (3 credits)
A specially designed international tour to varying countries which offers students a unique opportunity to study international business and develop a better understanding of the global marketing environment—its dimensions, participants, trends and opportunities. Students will also experience the heritage, ambiance, and excitement of the world’s great countries and cities. Prerequisites: MKT 550 and permission of Program Director.

Prerequisites: (MKT 4015 or MKT 550 or MBA 4615)
Restrictions: Enrollment is limited to Graduate level students.

MKT 770 International Marketing Study Tour (3 credits)
This is a specially designed tour to varying locations which offered students a unique opportunity to study international marketing and develop a better understanding of the global marketing environment—its dimensions, participants, trends, and opportunities. Students will also experience the cultural heritage, ambiance, and excitement of the world’s great countries and cities. Prerequisite: MKT 501 or equivalent and admission to the M.S. in International Marketing Program or permission of instructor.

Prerequisites: MKT 501 or MKT 201 or MKT 501 Waiver Score with a score of 1 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 771 Research in International Marketing (3 credits)

MKT 772 ST: Advanced Research & Stats (3 credits)
This course covers basic multivariate data analysis with an emphasis on applications for business, marketing research and consumer behavior. Emphasis on applications of multivariate analysis from a conceptual viewpoint as well as research design.

Prerequisites: MKT 550 and MKT 614 or MKT 605
MKT 792 Marketing Internship (1,3 credits)
MKT 795 Seminar in International Mktg (3 credits)

This capstone course builds upon the lessons and skills acquired in previous international marketing courses. It prepares the student to actively lead and/or support decision-making processes for international marketing operations. Bringing together marketing strategy and policy, the course reviews current topics in international marketing, such as branding, product and market development, channels of distribution, competition as well as cross-cultural perspectives on customer relationship management, intellectual property, ethics, and other contemporary issues. Prerequisite: MKT 501 or equivalent and admission to the M. S. in International Marketing Program or permission of the instructor.

Prerequisites: MKT 501 or MKT 201 or MKT 501 Waiver Score with a score of 1 or HSB Waiver with a score of MK501

Restrictions: Enrollment is limited to Graduate level students.

MKT 4015 Marketing Management (3 credits)

Advertising And Promotions Minor

The Advertising and Promotions minor is directed at A&S students who have an interest in pursuing employment in the advertising industry. Haub School of Business students are eligible for this program with some limitations. This minor is NOT available to Marketing majors or Communications Studies minors. Double minors or exceptions to this policy require approval of the Marketing Department Chair. The required courses and electives are listed below.

### Courses

#### Code | Title | Hours
--- | --- | ---
MKT 301 | Integrated Mktg Communications | 3
or PMK 351 | Pharm Promotions Management | 3
or FMK 303 | Food Marketing Communication | 3
MKT 321 | Advertising | 3
MKT 314 | Social Media Marketing | 3

Select three of the following:

MKT 312 | Selling and Sales Management | 3
MKT 316 | DigitalMarketing& WebAnalytics | 3
MKT 324 | Public Relations and Publicity | 3
MKT 327 | GlobalMarketing Communications | 3
MKT 490 | Internship in Marketing I | 3

#### Courses for A&S Students

MKT 201 | Principles of Marketing | 3
MKT 303 | MKT Communications (non-Bus) | 3
MKT 314 | Social Media Marketing | 3
MKT 321 | Advertising | 3

Select two of the following:

MKT 312 | Selling and Sales Management | 3
MKT 316 | DigitalMarketing& WebAnalytics | 3
MKT 324 | Public Relations and Publicity | 3
MKT 326 | Media Now | 3
MKT 327 | GlobalMarketing Communications | 3
MKT 490 | Internship in Marketing I | 3

### Business Foundation Requirement

#### Code | Title | Hours
--- | --- | ---
ACC 101 | Concepts: Financial Accounting | 3
ACC 101EC | Excel Competency (not required of students who transfer in ACC 101) | 1
ACC 102 | Managerial Accounting | 3
DSS 200 | Intro to Information Systems | 3
DSS 210 | Business Statistics | 3
DSS 220 | Business Analytics | 3
FIN 200 | Intro to Finance | 3
MGT 360 | Legal Environment of Business | 3
MGT 110 | Essent'ls of Organizational Beh | 3
or MGT 120 | Essentials of Management | 3
MKT 201 | Principles of Marketing | 3
BUS 495 | Business Policy | 4

### Entertainment Marketing Majors

#### Code | Title | Hours
--- | --- | ---
MKT 202 | Marketing Research | 3
MKT 302 | Consumer & Buyer Behavior | 3
MKT 342 | Music and Entertainment Law | 3
MKT 343 | Entertainment Marketing | 3
Select two approved Entertainment Marketing electives.

Note: Entertainment Marketing majors require two ILC courses and have a total of 6 additional free electives.

Entertainment Marketing Major

The Entertainment Marketing program is a one-of-a-kind major for the student who wants to work behind the scenes in show business. With a degree in Entertainment Marketing, you can help develop a marketing plan for a blockbuster movie, a concert tour or the big game.

The Entertainment Marketing major teaches students how traditional Marketing practices are applied and often rewritten in entertainment via specialized courses and interaction with industry experts. Entertainment Marketing, Music Marketing, Event Planning are among the course offerings.

Learning Goals and Objectives Entertainment Marketing Major

Goal 1: Functional Marketing Skills:

Objective 1.1: Students will be able to develop and evaluate marketing plans intended to satisfy objectives for the entertainment industry.

Objective 1.2: Students will gather, analyze, and assess customer and industry data.

Goal 2: Critical Thinking Skills

Objective 2.1: Students will engage in critical analyses and discussions of real problems in the entertainment industry.

Goal 3: Communication Skills

Objective 3.1: Students will demonstrate clear and persuasive oral and written communication skills.

Goal 4: Ignatian Values

Objective 4.1: Students will understand the role of Ignatian values in entertainment marketing.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays

See this page about Overlays (p. 27).

General Education Integrative Learning Component

See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
</tbody>
</table>

Select any other courses from the social sciences of Economics, Psychology and Sociology

Free Electives

Six courses

Business Foundation

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

Core Marketing Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 302</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 301</td>
<td>Integrated Mkgt Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 401</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two MKT electives from 300-400 level courses  

1 It is strongly suggested that one of these courses is MKT 490.

Entertainment Marketing Requirements

The Entertainment Marketing major requirements are the same as the General Marketing major with respect to the Business Foundation courses and free electives. See the Entertainment Marketing course ladder for suggested ILC courses. The program requirements are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 302</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 342</td>
<td>Music and Entertainment Law</td>
<td>3</td>
</tr>
<tr>
<td>MKT 343</td>
<td>Entertainment Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two Music or Sports Marketing electives  

6
Specialized Marketing Focus
Students who wish to enhance their Marketing training in a specific area may use their upper level MKT electives to take additional courses in these disciplines.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 312</td>
<td>Selling and Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 314</td>
<td>Social Media Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 321</td>
<td>Advertising</td>
<td>3</td>
</tr>
<tr>
<td>MKT 324</td>
<td>Public Relations and Publicity</td>
<td>3</td>
</tr>
<tr>
<td>MKT 325</td>
<td>Fundamentals of Design</td>
<td>3</td>
</tr>
<tr>
<td>MKT 326</td>
<td>Media Now</td>
<td>3</td>
</tr>
</tbody>
</table>

**Advertising and Promotions Courses**

**Entertainment Marketing Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 341</td>
<td>Music Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 342</td>
<td>Music and Entertainment Law</td>
<td>3</td>
</tr>
<tr>
<td>MKT 343</td>
<td>Entertainment Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 344</td>
<td>Business of Recorded Music</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sports Marketing Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 351</td>
<td>Business of Sports</td>
<td>3</td>
</tr>
<tr>
<td>MKT 352</td>
<td>Sports Law</td>
<td>3</td>
</tr>
<tr>
<td>MKT 353</td>
<td>Sports Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 355</td>
<td>Sports, Selling &amp; Sales</td>
<td>3</td>
</tr>
<tr>
<td>MKT 358</td>
<td>College Athletics</td>
<td>3</td>
</tr>
<tr>
<td>MKT 362</td>
<td>Digital Media in Sports</td>
<td>3</td>
</tr>
<tr>
<td>MKT 370</td>
<td>Spec Topics: Sports Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Entertainment Marketing Minor**

The Entertainment Marketing minor is directed at A&S students who have an interest in pursuing employment in the entertainment industry. This minor is NOT available to Marketing majors. Double minors or exceptions to this policy require approval of the Marketing Department Chair. The required courses and electives are listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 302</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 342</td>
<td>Music and Entertainment Law</td>
<td>3</td>
</tr>
<tr>
<td>MKT 343</td>
<td>Entertainment Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Take one (1) MKT Course at the 300 or 400 level

**Marketing B.B.A.**

**HDC General Education Program (GEP) Requirement**

(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104</td>
<td>Adult Student Seminar Selection</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
</tbody>
</table>

**Eng 102** Texts & Contexts 3
**His 154** Forging the Modern World 3
**Fine Arts or Literature course** 3
**Language GEP course** 6
**Mat 103** Quantitative Appl in Business 3
**Mat 104** Calculus Appl in Business 3
**Phl 154** Moral Foundations 3
**Philosophical Anthropology course** 3
**Ec 101** Introductory Economics Micro 3
**Natural Science GEP course** 3
**The 154** Faith, Justice & the Cath Trad 3
**or The 221** Intro to the New Testament 3

**Theology: Religious Difference course** 3
**Faith and Reason course** 3
**Select the following:** 6-9
**Ec 102** Introductory Economics Macro
**Additional course from approved list**

1 List of approved courses varies by major.

**Business Foundation Requirement**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acc 101</td>
<td>Concepts: Financial Accounting</td>
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</tr>
<tr>
<td>Acc 101EC</td>
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<td>or Mgt 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>Bme 995</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

**Marketing Majors**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 301</td>
<td>Integrated Mktg Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 302</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 401</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two electives from approved MKT courses 6

Note: Marketing majors require two ILC courses and have a total of 6 additional free electives.

**Marketing M.S.**

Natalie T. Wood, Ph.D., Chair, Marketing
Jeannine Lajeunesse, M.B.A., Program Director
Kate Sonstein, M.B.A., Manager, Market Development
Lauren DiNuzzo, Program Administrator, Student Support
Overview
The Master of Marketing requires completion of 30 to 42 credits with a cumulative GPA of 3.0 or better in courses taken at SJU. The degree can be completed in 30 credits (10 classes) by completing the Advanced Program if the Foundation Requirements can be met through acceptable undergraduate transfer credit or challenge exam. Students granted a business administration bachelor's degree from an AACSB accredited program within 10 years of beginning the MS program normally take 30 semester credits to complete their degree. Courses carry three semester credits unless otherwise noted.

All course prerequisites must be satisfied prior to enrolling in a given course; prerequisites are indicated in the section on Course Descriptions. Students may be admitted to Advanced Program courses before completion of the entire Foundation Program, but must complete the Foundation Program by the time that twelve (12) credits have been earned in the Advanced Program.

Admissions Requirements and Procedures for the M.S. in Marketing

- Applicants for admission must possess a baccalaureate degree from an accredited college or university. The applicant must submit the following:
- A completed application form, accompanied by a non-refundable application fee.
- Official transcripts indicating receipt of a baccalaureate degree from an accredited college or university.
- Official scores on Graduate Management Admission Test (GMAT) or Graduate Record Examinations (GRE); information is available for the GMAT at www.mba.com and for the GRE, www.ets.org/gre. Scores on the GMAT/GRE must have been taken within seven years of the student’s application. Under certain conditions the GMAT/GRE exam may be waived by petition.
- Two letters of recommendation, one from an employer and one from a former professor; if no prior employment, both letters may be from former professors, or if out of school for more than two years, both may be from the employer.
- Personal statement.
- Business résumé.

International Applicants
International applicants are no longer required to submit a credentials evaluation—transcript evaluations will be performed by Admissions staff. However, applicants already possessing a course-by-course evaluation of their transcripts are encouraged to submit this in place of original transcripts. For those who do not possess a course-by-course evaluation, an official record of all college and university academic studies and results of state and/or national examinations taken are required. Academic records must include the name of each individual course, the grade earned, and the grading scale used. Documents must be submitted in one's native language with an official English translation. The Graduate Operations Office performs all international credential evaluations. Foreign documents, credentials and transcripts must be official (sealed and sent directly from the institution). Only originals or photocopies officially stamped and attested by a school official (Registrar, Principle, or Controller of Examinations) are accepted. Faxes, scanned or notarized copies or copies attested by a department head cannot be accepted as official. All credentials submitted to the Graduate Operations Office become property of the University and cannot be returned.

Foreign applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements should be made by writing directly to TOEFL, Box 6151, Princeton, NJ, U.S.A., 08541-6151. Students already in the Philadelphia area who do not have a TOEFL score may be admitted following satisfactory performance on the English test administered at the ELS Center on the Saint Joseph’s University campus. A minimum score of 550, internet based TOEFL 80, or 213 on computerized test on the TOEFL is required to take any courses in the MIM Program. An official IELTS score of 6.5 or official PTE score of 60 is also acceptable. Qualified students who complete Level 112 at the ELS Language Center and receive a strong, positive letter of recommendation from the Center can begin their Mastet of Science in Marketing studies without the official TOEFL score. Foreign applicants seeking an F-1 student visa must also supply a statement of financial support.

International applicants should be aware that a significant portion of the courses in M.S. in Marketing with a specialization in Customer Analytics and Insights are taught online.

Program Prerequisites
Students who have applied to the program and possess non-business undergraduate degrees are advised that under normal circumstances they must complete the following prerequisite courses prior to entering the program. Under exceptional circumstances, co-registration with specific core level courses will be considered.

- Marketing Concepts (MKT 501)
- Accounting Concepts (ACC 500)
- Financial Management (FIN 503)
- Managerial Economics (FIN500)

Transfer of Courses
Students may transfer up to six graduate credit hours (2 courses) towards the M.S. degree from an accredited college or university, provided the students earned a grade of B or better.

Retention Policies
Grading, Probation, Dismissal, and Failure
The grading system in effect at SJU will apply to courses both in the M.S. Program in International Marketing and the M.S. in Marketing Program. Student advising will be the responsibility of the Program Director, but students’ are encouraged to share their academic and career expectations with members of the faculty who teach in the program.

As per university guidelines for graduate study, students enrolled in the either the M.S. Program in International Marketing or the M.S. in Marketing Program who receive a single grade of C or below for three (3) credit hours will be issued a warning letter. Students who receive a grade of C or below for six (6) credit hours will be placed on academic probation and will be so notified in writing by the Program Director. Students receiving a grade of C or below for nine (9) credit hours will be dismissed from the program.

To graduate, students must fulfill all credit hour requirements for the M.S. degree. Each candidate for graduation must have at least a 3.0
cumulative GPA, no more than two grades of C or below, and no F grades outstanding in order to be certified for graduation.

Retention Processes and Policies
Students enrolled in the M.S. in International Marketing Program or the M.S. in Marketing Program have six years to complete their M.S. degree from Saint Joseph's University. Extensions beyond this limit can only be made with the approval of the Dean, and only for unusual and serious circumstances.

Students who exceed the time limit to complete the Program will be dismissed from the program. Such students may reapply for admission into the program as new students and start the program with no credit from previous courses taken.

Graduation/Commencement Policies
Students must complete all course requirements prior to graduation. Upon petition to the Program Director, students may be permitted to take part in commencement exercises only after successfully completing at least nine (9) of the ten program courses.

Financial Assistance
A limited number of graduate assistantships are available to students who have been admitted into the program. In exchange for carrying out assigned duties in the Department, students receive tuition assistance as well as a monthly stipend. For more information, please contact the Director of the M.S. in Marketing Program.

Inquiries
Jeannine Lajeunesse, M.B.A., Director
280 Mandeville Hall
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131-1395
Phone: (610) 660-1626
Fax: (610) 660-1599
E-mail: Jeannine.lajeunesse@sju.edu
web site: http://www.sju.edu/marketing

Master of Marketing Learning Goals and Objectives:

Knowledge of Functional Area: Students will know core concepts within each business discipline of accounting, finance, management, marketing, and information technology.

Strategic Thinking: Students will inform, apply, and assess strategic approaches to complex industry-related problems and provide as well as evaluate alternative strategies.

Global/Diversity: Students will understand the challenges businesses face in a global economy, and the cultural issues firms must address to succeed in this environment.

Critical Thinking and Problem Solving: Students will be able to analyze business scenarios in an integrative way and make constructive recommendations for problem solving.

Communication Skills: Students will demonstrate competency in written and verbal communication aimed at facilitating, and reporting the results of, collaborative problem solving and decision making processes.

Ignatian Values/Jesuit Traditions: Students will be able to generate scholarship that embodies free, open inquiry, and provokes imaginative thinking and reflection on values.

Specializations
Master of Science in Marketing will offer two academic specializations: (1) International Marketing and (2) Customer Analytics and Insights. Each specialization requires completion of ten courses. Students should select one of these specializations at the time of enrollment.

International Marketing Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 550</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MKT 609</td>
<td>Marketing Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MKT 612</td>
<td>Global Cultures and Consumers</td>
<td>3</td>
</tr>
<tr>
<td>MKT 614</td>
<td>International Mktg Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 613</td>
<td>International Channel Manag</td>
<td>3</td>
</tr>
<tr>
<td>MKT 616</td>
<td>Global Mktg Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 618</td>
<td>Int’I Prod Develop &amp; Brand Mgt</td>
<td>3</td>
</tr>
<tr>
<td>MKT 770</td>
<td>International Mktg Study Tour</td>
<td>3</td>
</tr>
<tr>
<td>MKT 795</td>
<td>Seminar in International Mktg</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one (1) elective from MKT courses not within the Specialization

Customer Insights and Analytics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 550</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MKT 605</td>
<td>Research in Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 614</td>
<td>International Mktg Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 610</td>
<td>DigitalMarketing &amp; WebAnalytics</td>
<td>3</td>
</tr>
<tr>
<td>MKT 612</td>
<td>Global Cultures and Consumers</td>
<td>3</td>
</tr>
<tr>
<td>MKT 620</td>
<td>Customer Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MKT 621</td>
<td>Qualitative Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 622</td>
<td>Advert &amp; Consumer Insight</td>
<td>3</td>
</tr>
<tr>
<td>MKT 623</td>
<td>Predict Analytics for MKT</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose (1) elective from MKT courses not within the Specialization

Marketing Major

The General Marketing Degree endows students with a solid foundation in the basic principles of Marketing which can be applied to various industries, product and service categories, and non-profits.

With courses in Consumer Behavior and Market Research, students gain insight into understanding and satisfying customer wants and needs. Marketing Communications courses teach students how to successfully engage the target audience using traditional and digital media. Upper level Marketing courses challenge majors to address real-world scenarios. Along the way, students get ample practice designing actual marketing plans, promotional campaigns and research projects that make them desirable candidates for internships and full-time employment.

Goal 1: Functional Marketing Skills:
Objective 1.1: Students will be able to develop and evaluate marketing plans intended to satisfy objectives for profit and not-for-profit organizations.

Objective 1.2: Students will be able to collect and analyze data to develop customer insights.

Goal 2: Communication Skills

Objective 2.1: Students will demonstrate clear and persuasive oral and written communication skills.

Goal 3: Critical Thinking Skills

Objective 3.1: Students will engage in critical analyses and discussions of real marketing problems.

Goal 4: Ignatian Values

Objective 4.1: Students will understand the role of Ignatian values in marketing.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement; a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

General Education Signature Courses
See this page about Signature courses (p. 26). Six courses

General Education Variable Courses
See this page about Variable courses (p. 26). Six to Nine courses

General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
</tbody>
</table>

Select any other courses from the social sciences of Economics, Psychology and Sociology

Free Electives
Six courses

Business Foundation

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

Core Marketing Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 302</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 301</td>
<td>Integrated Mktg Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 401</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are strongly advised to take DSS 210 and DSS 220 prior to taking MKT 202.

Select two MKT electives from 300-400 level courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 490</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

1 It is strongly suggested that one of these courses is MKT 490.

Marketing Minor

The Marketing minor allows HSB students in other majors and A&S students to expand their Marketing skills. Double minors require approval of the Marketing Department Chair. Note that students should follow the suggested course sequence as well as adhere to individual course prerequisites as outlined in the catalog course descriptions.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 301</td>
<td>Integrated Mktg Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 302</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 401</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

One MKT course at the 300 level or higher

Students are strongly advised to take DSS 210 and DSS 220 prior to taking MKT 202

Master of Science in International Marketing Program

Effective Fall 2017 the Master of Science in International Marketing has been changed to the Master of Science in Marketing with a International Marketing concentration. Please see the Master of Science in Marketing for more information on this program.

If you entered Saint Joseph's University prior to Fall 2017 please see the catalog for the year you entered for a list of course requirements.

Sports Marketing B.B.A.
HDC General Education Program (GEP)
Requirement
(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104: Adult Student Seminar Selection</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
<tr>
<td>or THE 221</td>
<td>Intro to the New Testament</td>
<td>3</td>
</tr>
<tr>
<td>Theology: Religious Difference course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Faith and Reason course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select the following:</td>
<td>6-9</td>
<td></td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>Additional course from approved list</td>
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</tbody>
</table>

Note: List of approved courses varies by major.

Business Foundation Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essent'ls of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

Sports Marketing Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 351</td>
<td>Business of Sports</td>
<td>3</td>
</tr>
<tr>
<td>MKT 352</td>
<td>Sports Law</td>
<td>3</td>
</tr>
<tr>
<td>MKT 353</td>
<td>Sports Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 355</td>
<td>Sports, Selling &amp; Sales</td>
<td>3</td>
</tr>
<tr>
<td>MKT 362</td>
<td>Digital Media in Sports</td>
<td>3</td>
</tr>
</tbody>
</table>

Select approved Sports Marketing elective 3

Note: Sports Marketing majors require two ILC courses and have a total of 6 additional free electives.

Sports Marketing Major

Philadelphia is a city that loves its sports teams, and that passion makes Saint Joseph's an exciting place to study Sports Marketing. A strong foundation in Marketing, blended with an appreciation for sports culture and the business of sports, characterizes this unique program.

The theme of the program is to "move the revenue needle of sports properties in an ethical and socially responsible manner.” Students can choose from a diverse array of classes taught by faculty who combine theory and real-world experience that touch on today's “hot” sports business issues. From promoting sports events, to the ins and out of Sports Law, to how to engage fans in today's digital world, the SJU Sports Marketing program equips students with the tools to succeed in all aspects of the Sports Marketing arena.

Learning Goals and Objectives Sports Marketing Major

Goal 1: Functional Sports Marketing Skills:
Objective 1.1: Students will gain knowledge of specialized terminology, the structure and operations of the professional and amateur sports industry and the organizations that comprise the industry, from both an historical and contemporary perspective.

Objective 1.2: Students will gain a keen understanding of the difference between marketing of sports (events and properties) and marketing through sports (building brands via alignment with a sports property) by conducting research which will enhance their knowledge of the critical role that fan affinity plays in the marketing of and through sports.

Goal 2: Critical Thinking and Problem Solving
Objective 2.1: Students will be able to identify and critically analyze the application of select intellectual property laws, vital to monetizing sports business activities and protecting the significant revenue stream in the sports industry.

Goal 3: Ignatian Values
Objective 3.1: Students will gain knowledge of and develop proficiencies for utilizing compelling and ethical techniques for selling sports as a product.

Goal 4: Communication Skills
Objective 4.1: Students will demonstrate clear and persuasive oral and written communication skills.

The traditional undergraduate programs include 40 courses distributed across three components: A General Education component divided into Signature Courses, Variable Courses, and an Integrative Learning requirement, a Major and Divisional component; and Free Electives. In addition to course requirements as specified in each area, students must complete one certified course in each of the following overlay areas:

1. Diversity, Globalization or Non-western Area Studies,
2. Ethics Intensive, and
3. Writing Intensive. Overlay requirements are part of the forty-course requirement.

**General Education Signature Courses**
See this page about Signature courses (p. 26). Six courses

**General Education Variable Courses**
See this page about Variable courses (p. 26). Six to Nine courses

**General Education Overlays**
See this page about Overlays (p. 27).

**General Education Integrative Learning Component**
See this page about Integrative Learning Component (p. 27). Three courses

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<td>3</td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
</tr>
<tr>
<td>ECN 420</td>
<td>Sports Economics</td>
<td>3</td>
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</table>

**Free Electives**
Six courses

**Business Foundation**

<table>
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<tr>
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<th>Title</th>
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<tbody>
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<td>Intro to Information Systems</td>
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<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
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<tr>
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<td>Business Policy</td>
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</table>

**Core Marketing Courses**

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<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 302</td>
<td>Consumer &amp; Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 301</td>
<td>Integrated Mktg Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 401</td>
<td>Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are strongly advised to take DSS 210 and DSS 220 prior to taking MKT 202.

Select two MKT electives from 300-400 level courses ¹ 6

¹ It is strongly suggested that one of these courses is MKT 490.

**Sports Marketing**
The Sports Marketing major requirements are the same as the General Marketing major with respect to the GEP, Business Foundation and free electives with one exception: Sports Marketing majors should take Sports Economics (ECN 420) as the third ILC course.

All Sports Marketing majors must take Business of Sports (MKT 351) as a pre-req to all other Sports Marketing courses except for Sports Law (MKT 352). The second course you should take is Sports Marketing (MKT 353) which is a pre-req/co-req for all remaining SPMKT courses. The major requires six courses as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKT 351</td>
<td>Business of Sports</td>
<td>3</td>
</tr>
<tr>
<td>MKT 352</td>
<td>Sports Law</td>
<td>3</td>
</tr>
<tr>
<td>MKT 353</td>
<td>Sports Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 355</td>
<td>Sports, Selling &amp; Sales</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one(1) upper level Sports MKT courses 9

**Sports Marketing Minor**
The Sports Marketing minor is directed at students who have an interest in pursuing employment in the sports industry.

Marketing majors who wish to complete the Sports Marketing minor cannot use Sports Marketing courses as their two upper-level Marketing electives. You must choose Marketing electives outside of MKT 351, MKT 352, MKT 353 & MKT 355.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td></td>
</tr>
<tr>
<td>MKT 202</td>
<td>Marketing Research</td>
<td></td>
</tr>
<tr>
<td>MKT 351</td>
<td>Business of Sports</td>
<td></td>
</tr>
<tr>
<td>MKT 352</td>
<td>Sports Law</td>
<td></td>
</tr>
<tr>
<td>MKT 353</td>
<td>Sports Marketing</td>
<td></td>
</tr>
<tr>
<td>MKT 355</td>
<td>Sports, Selling &amp; Sales</td>
<td></td>
</tr>
</tbody>
</table>

Students are strongly advised to take DSS 210 and DSS 220 prior to taking MKT 202.
PHARMACEUTICAL & HEALTHCARE MARKETING

Professor: William Trombetta, Ph.D.
Associate: George P. Sillup, Ph.D.; Thani Jambulingam, Ph.D.
Assistant: Anthony DelConte, M.D.

Chair: Sillup

Undergraduate Major
- Pharmaceutical & Healthcare Marketing (p. 564)

Adult Undergraduate B.L.S.
- Pharmaceutical Marketing (p. 563)

PMK 150 Global Healthcare (3 credits)
PMK 180 Patient Access to Healthcare (3 credits)
This service-learning course that will provide an understanding of healthcare delivery in the U.S. and familiarity with the components of healthcare delivery to include: patients, providers, products, payers and policy makers/regulators. Students will also have the opportunity to assist patients with various interactions with healthcare delivery ranging from interpreting their healthcare coverage options to post-operative recovery. This course fulfills the requirement for the Minor in Healthcare Ethics. Elective.
Attributes: Undergraduate

PMK 190 Healthcare Delivery Alternative (3 credits)
This service learning, ethics intensive course focuses on the medical, cultural, social and spiritual needs of short and long term residents at a local nursing home. Projects involve direct patient encounters and are popular with marketing, biology, and HIS majors. Projects also involve working in departments of nursing, pastoral care, dietary, human resources, finance, social services, development, activities and volunteer services. This course fulfills the GEP Ethics Intensive and requirement for the Minor in Healthcare Ethics. Elective.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP)

PMK 211 Pharmaceutical Mkt Environment (3 credits)
An introduction to the pharmaceutical industry and to the theory of marketing, as well as an overview of the dynamics of the healthcare industry with an emphasis on managed care, cost containment, disease management and accountable care organizations (ACO’s). Additionally, students will learn a basic understanding of pharmacology. Prerequisite to all major concentration requirements. Open to all students.
Attributes: Undergraduate

PMK 221 Pharmaceutical Mkt Research (3 credits)
Covers the process that involves systematic gathering of quantitative and qualitative information that will help identify and resolve issues concerning patients, physicians and payers. Areas covered include problem recognition, research design, data collection, data analysis, results, and recommendations. Prerequisite: PMK 211.
Prerequisites: PMK 1011 or PMK 1015 or PMK 211
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing.
Attributes: Undergraduate

PMK 221 and PMK 2031 or PMK 351

PMK 341 Pharm Channels & Pricing (3 credits)
The first half of the course describes the distribution process of pharmaceuticals, with concepts specific to designing and managing effective strategic channel relationships. The second half examines how firms set prices and the legal and policy ramifications of pricing. Prerequisite: PMK 211.
Prerequisites: (PMK 1011 or PMK 1015) or PMK 211
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing.
Attributes: Undergraduate

PMK 351 Pharm Promotions Management (3 credits)
Covers advertising, direct marketing, promotions, e-marketing, ethical, legal and regulatory concerns associated with the promotion of pharmaceutical products.
Prerequisites: (PMK 1011 or PMK 211 or PMK 1015) and PMK 2021 or PMK 221
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing.
Attributes: Undergraduate

PMK 461 Pharm Mkt Strat & Plan I (3 credits)
The course focuses on strategy and planning development for a specific pharmaceutical product. This course focuses on teamwork and expands students' ability to synthesize critical functions in product management. This course is designated as Writing Intensive. Prerequisites: PMK 211, PMK 341, PMK 351.
Prerequisites: (PMK 1011 or PMK 211 or PMK 1015) and PMK 2021 or PMK 221 and PMK 2031 or PMK 351
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing.
Attributes: Undergraduate

PMK 465 Advanced Marketing Research (3 credits)
The pharmaceutical and biotech business is rapidly changing and requires marketing researchers and brand managers to appreciate the decision-making contexts in which marketing research is conducted.
Prerequisites: PMK 211, PMK 221
Prerequisites: (PMK 1011 or PMK 211 or PMK 1015) and PMK 2021 or PMK 221 and PMK 2031 or PMK 351
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing.
Attributes: Undergraduate
PMK 471 Pharm Mkt Strat & Plan II (3 credits)
Drawing on the broad range of content covered in the first six courses, this capstone course integrates and builds on the foundations laid previously. This course addresses pharmaceutical corporate strategies including health policy issues with practical application through a number of formats: cases; exercises; simulations. Prerequisites: All other PMK courses. Prerequisites: (PMK 1011 or PMK 211 or PMK 1015) and PMK 2021 or PMK 221 and PMK 2031 or PMK 351 and PMK 2051 or PMK 341 and PMK 2061 or PMK 461 Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Attributes: Undergraduate

PMK 491 Pharmaceutical Internship (1-3 credits)
The Pharmaceutical Internship/Independent Study enables students who have declared Pharmaceutical Marketing as their major to earn one (1) credit and enhance their knowledge in the sponsoring firm by working in the pharmaceutical or related industries as an intern. Students can earn up to three (3) credits by combining an internship with independent study. Credit is based on a review by the sponsoring faculty member of the student's circumstance, needs of the firm where the student is doing their internship and academic requirements of the sponsoring faculty member. The internship/independent study credits are counted as free electives and can only be applied to the semester during which the internship/independent study was taken. Prerequisite – completed at least 4 courses in the major. Prerequisites: PMK 2041 (may be taken concurrently) or PMK 331 (may be taken concurrently) and PMK 2031 (may be taken concurrently) or PMK 351 (may be taken concurrently) Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Attributes: Undergraduate

PMK 545 Pharm Marketing Gateway Crs (3 credits)
This is a policy course that provides a broad perspective with specific focus on aspects of healthcare systems. Given the spiraling costs around the globe along with the recent introduction of Obamacare in the U.S., healthcare has the potential to bankrupt national budgets. Classes will include assessment of healthcare infrastructure from advertising agencies that have evolved into consulting firms to healthcare distributors and all the stakeholders involved with healthcare delivery: hospitals, doctors, pharmacists, nurses, and "alphabet soup" like Accountable Care Organizations (ACOs). The class will also combine contemporary evaluations of healthcare delivery, e.g., Sicko, and is anchored by a semester-long research project that will enable students to gain in-depth insights about healthcare delivery. Restrictions: Enrollment is limited to Graduate level students. Enrollment limited to students in the Haub School of Business college. Attributes: Gateway Course (Grad HSB)

PMK 620 Supply Chain Mgt in Healthcare (3 credits)
This course describes the distribution process of pharmaceuticals, medical devices, diagnostics and biologics with concepts specific to designing and managing strategic channel relationships. Prerequisite: MKT 501 or equivalent. Restrictions: Enrollment is limited to Graduate level students.

PMK 640 Pharmacoeconomics (3 credits)
This course reviews the principal concepts of economics and the history and development of health economics. Additionally, it emphasizes the application and value of health economic studies through the use of examples from the pharmaceutical, biologic, medical device and diagnostic industries. Prerequisites: MKT 501 Restrictions: Enrollment is limited to Graduate level students.

PMK 650 Coding, Coverage & Reimbursement (3 credits)
The course provides information to help a healthcare professional understand how to run their practice as a business in the U.S. Background of coding systems to include ICD-10 and CPT, will be introduced along with case scenarios that reveal how a coding system links a procedure or product to the different reimbursement systems, such as Medicare and Medicaid, to get payment. Prerequisite: MKT 501 or equivalent.

PMK 670 Pricing in Healthcare Industry (3 credits)
This course examines how manufacturers of pharmaceuticals, medical devices, diagnostic and biologics set prices for their products as well as investigates the legal and policy ramifications of pricing. Prerequisite: MKT 501 or equivalent.

Pharmaceutical Marketing B.B.A.

HDC General Education Program (GEP) Requirement
(See Curricula (p. 464).)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 101</td>
<td>Seminar in Learning Strategies (required for some students)</td>
<td>1</td>
</tr>
<tr>
<td>XXX 104</td>
<td>Adult Student Seminar Selection</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts or Literature course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language GEP course</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Quantitative Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Calculus Appl in Business</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Philosophical Anthropology course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science GEP course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad or THE 221</td>
<td>3</td>
</tr>
<tr>
<td>Theology: Religious Difference course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Faith and Reason course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select the following:</td>
<td>6-9</td>
<td></td>
</tr>
</tbody>
</table>

undefined - DRAFT COPY 563
ECN 102  
Introductory Economics Macro

Additional course from approved list ¹

¹ List of approved courses varies by major.

Business Foundation Requirement

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 101EC</td>
<td>Excel Competency (not required of students who transfer in ACC 101)</td>
<td>1</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essentials of Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 120</td>
<td>Essentials of Management</td>
<td></td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: Students can opt to take BIO 165/165L instead of two Natural Sciences. If this option is taken students only get to 5 free electives.

Pharmaceutical Marketing Majors

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMK 211</td>
<td>Pharmaceutical Mkt Environment</td>
<td>3</td>
</tr>
<tr>
<td>PMK 221</td>
<td>Pharmaceutical Mkt Research</td>
<td>3</td>
</tr>
<tr>
<td>PMK 331</td>
<td>Pharm Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>PMK 341</td>
<td>Pharm Channels &amp; Pricing</td>
<td>3</td>
</tr>
<tr>
<td>PMK 351</td>
<td>Pharm Promotions Management</td>
<td>3</td>
</tr>
<tr>
<td>PMK 461</td>
<td>Pharm Mkt Strat &amp; Plan I</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: PMK majors require two ILC courses and have a total of 6 additional free electives.

Pharmaceutical & Healthcare Marketing Major

Learning Goals and Objectives Pharmaceutical & Healthcare Marketing Major

Objective 1: Leadership  —  Students will demonstrate the ability to lead in team situations, that is, to motivate, inspire and direct a team to achieving its goals.

Objective 2: Knowledge of functional area  —  Students will know core concepts within each business discipline of accounting, finance, management, marketing, and information technology.

Objective 3: Critical thinking and problem solving  —  Students will be able to analyze business scenarios in an integrative way and make constructive and actionable recommendations for problem solving.

Objective 4: Interpersonal/communication skills  —  Students will demonstrate competency in written and verbal communication aimed at facilitating, and reporting the results of, collaborative problem solving and decision making processes.

Objective 5: Ignatian Values  —  Students will be able to generate scholarship that embodies free, open inquiry, and provokes imaginative thinking and reflection on values. An appreciation for and ability to apply the Ignatian values of: a commitment to rigorous education and lifelong learning; an insistence upon ethical decision making; a desire for social justice; and a care and concern for others.

Objective 6: Global/Diversity  —  Students will understand the challenges businesses face in a global economy, and the cultural issues firms must address to succeed in this environment. A fuller understanding of and respect for diversity in the population and in organizations related to differences across cultures, ethnic groups, socio-economic groups, gender and sexual orientation.

Program Specific Objective: Strategic Thinking:  Students will exhibit strategic approaches to the complex business related problems in the pharmaceutical industry and provide alternative strategies evaluating the pros and cons of those approaches.

For students who entered SJU in the Fall of 2010 or later, or transfer students entering SJU in the Fall of 2010 with 14 or fewer credits:

General Education Signature Courses

See this page about Signature courses (p. 26). Six courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMK 150</td>
<td>Global Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>PMK 150 &amp; 150</td>
<td>Global Healthcare (FY1 &amp; FY2)</td>
<td>6</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Texts &amp; Contexts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 154</td>
<td>Forging the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>PHL 154</td>
<td>Moral Foundations</td>
<td>3</td>
</tr>
<tr>
<td>THE 154</td>
<td>Faith, Justice &amp; the Cath Trad</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Variable Courses

See this page about Variable courses (p. 26). Six to Nine courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>Craft of Language</td>
<td>3</td>
</tr>
<tr>
<td>Non-Native Language #1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Native Language #2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math Beauty</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECN 101</td>
<td>Introductory Economics Micro</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Science</td>
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<tr>
<td>Theology/Religious Difference</td>
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<tr>
<td>Philosophical Anthropology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arts/Literature</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ Students may earn credit for ENG 101 by earning a grade of 4 or 5 on the AP English exam. If that is the case, the student may take ENG 102 during the fall semester of freshman year.

² Students must take one, three-credit, laboratory courses, BIO 165 + BIO 165, Exploring the Living World.
General Education Overlays
See this page about Overlays (p. 27).

General Education Integrative Learning Component
See this page about Integrative Learning Component (p. 27). Three courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ILC #1</td>
<td></td>
<td></td>
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<tr>
<td>ILC #3 &amp; ILC #3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECN 102</td>
<td>Introductory Economics Macro</td>
<td>3</td>
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</table>

Recommendations are the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HIS 458</td>
<td>Epidemiology</td>
<td></td>
</tr>
<tr>
<td>HIS/SOC 323</td>
<td>Europe in 20th Cent, Since1939</td>
<td></td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introductory Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 122</td>
<td>Abnormal Psychology/Non-Majors</td>
<td></td>
</tr>
<tr>
<td>PSY 200</td>
<td>Personality Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 210</td>
<td>Research Methods</td>
<td></td>
</tr>
<tr>
<td>ART 173</td>
<td>Digital Photography I</td>
<td></td>
</tr>
<tr>
<td>THE 366</td>
<td>Christian Medical Ethics</td>
<td></td>
</tr>
</tbody>
</table>

Free Electives
Six Courses

Please consult your advisor. Recommended: PMK 190 Healthcare Delivery Alternatives (ethics intensive, service-learning course)

HSB (BC) Foundation Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 101</td>
<td>Concepts: Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 102</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>DSS 200</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>DSS 210</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>DSS 220</td>
<td>Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 110</td>
<td>Essent'ls of Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>MGT 120</td>
<td>Essentials of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Intro to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MKT 201</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 495</td>
<td>Business Policy</td>
<td>4</td>
</tr>
</tbody>
</table>

Pharmaceutical & Healthcare Marketing Major

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<tr>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>PMK 211</td>
<td>Pharmaceutical Mkt Environment</td>
<td>3</td>
</tr>
<tr>
<td>PMK 221</td>
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</tr>
<tr>
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<td>Pharm Channels &amp; Pricing</td>
<td>3</td>
</tr>
<tr>
<td>PMK 351</td>
<td>Pharm Promotions Management</td>
<td>3</td>
</tr>
<tr>
<td>PMK 461</td>
<td>Pharm Mkt Strat &amp; Plan I</td>
<td>3</td>
</tr>
</tbody>
</table>
COURSE DESCRIPTIONS

A
- Accounting (ACC) (p. 568)
- Actuarial Science (ASC) (p. 572)
- Aerospace Studies (AER) (p. 573)
- American Sign Language (ASL) (p. 574)
- Art (ART) (p. 575)

B
- Biology (BIO) (p. 582)
- Business (BUS) (p. 589)

C
- Chemistry (CHM) (p. 590)
- Chinese (CHN) (p. 594)
- Classics (CLA) (p. 596)
- Communications (COM) (p. 598)
- Computer Science (CSC) (p. 600)
- Criminal Justice (CRJ) (p. 606)

D
- Decision & System Sciences (DSS) (p. 611)

E
- Economics (ECN) (p. 615)
- Education (EDU) (p. 619)
- Education Leadership (EDL) (p. 633)
- English (ENG) (p. 637)
- English as Second Lang (ESL) (p. 650)
- Environmental Science (ENV) (p. 651)

F
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- Finance (FIN) (p. 654)
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- Food Marketing Exec (FME) (p. 665)
- French (FRE) (p. 666)

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- Gender Studies (GEN) (p. 670)
- German (GRM) (p. 671)
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- Graduate Gerontology (GRG) (p. 674)
- Greek (GRK) (p. 675)

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- Health Administration (HAD) (p. 676)
- Health Care Ethics (HCE) (p. 678)
- Health Education (HED) (p. 679)
- Health Services (HSV) (p. 681)
- History (HIS) (p. 682)
- Honors (HON) (p. 690)

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- Instructional Technology (ITS) (p. 692)
- Interdisciplinary (INT) (p. 693)
- Interdisciplinary Health Serv (IHS) (p. 694)
- International Business (IBU) (p. 699)
- International Relations (IRT) (p. 701)
- Italian (ITA) (p. 702)
- Italian Studies (IST) (p. 707)

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- Japanese (JPN) (p. 708)

L
- Labor Studies (LAS) (p. 709)
- Latin (LAT) (p. 710)
- Ldrshp/Ethics & Org Sustainab (LEO) (p. 712)
- Legal Studies (LAW) (p. 714)
- Linguistics (LIN) (p. 715)
- Literature in Translation (LAN) (p. 718)
- Literature in Translation (LTT) (p. 719)

M
- Management (MGT) (p. 721)
- Management Information Syst (MIS) (p. 726)
- Managing Human Capital (MHC) (p. 727)
- Marketing (MKT) (p. 731)
- Marketing Pharmaceutical Ex (MPE) (p. 737)
- Math Education (MED) (p. 739)
- Mathematics (MAT) (p. 741)
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- Music, Theatre & Film (MTF) (p. 747)

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- Non-Credit Course (NON) (p. 753)
- Nurse Anesthesia (GRA) (p. 754)

O
- Org Development & Leadership (ODL) (p. 755)

P
- Pharmaceutical Marketing (PMK) (p. 759)
- Philosophy (PHL) (p. 761)
- Physics (PHY) (p. 771)
- Political Science (POL) (p. 775)
- Professional Writing &Speaking (PWS) (p. 785)
- Psychology (PSY) (p. 786)
- Public Safety & Environ Prot (PSE) (p. 795)
- Purchasing/Acquisition (PUR) (p. 797)
R
• Real Estate Finance (REF) (p. 798)
• Religious Studies (REL) (p. 799)
• Risk Management & Insurance (RMI) (p. 805)
• Russian (RUS) (p. 807)

S
• Sociology (SOC) (p. 808)
• Spanish (SPA) (p. 816)
• Special Education (SPE) (p. 823)
• Sport Practice Schedule (SPT) (p. 839)

T
• Theology (also see REL crses) (THE) (p. 840)

U
• University Grad Science Rsrch (UNV) (p. 848)
ACCOUNTING (ACC)

ACC 101 Concepts: Financial Accounting (3 credits)
An introduction to the discipline of accounting from a user's perspective. Emphasis is on how accounting information and financial statements are used in business decisions, particularly in decisions by people outside the organization. Students will access corporate websites to retrieve and analyze externally published financial information of publicly traded companies. ACC 101EC must be taken with ACC 101, satisfactory completion of this Excel competency component carries with it an additional credit hour.
Attributes: Undergraduate

ACC 101EC Excel Competency (1 credit)

ACC 102 Managerial Accounting (3 credits)
This course covers basic cost accounting terminology, concepts, and classifications. Cost accumulation systems, cost-profit-volume analysis, and uses of accounting information for managerial decision-making purposes are discussed. Students are introduced to the use of spreadsheet application software as an essential tool for analysis of financial data. Prerequisite: ACC 101 and 101EC.
Prerequisites: (ACC 1011 or ACC 1015) or ACC 101 and ACC 101EC
Attributes: Undergraduate

ACC 150 Business in China (3 credits)

ACC 206 Fin Acc Info Sys II (3 credits)
ACC 206 Financial Accounting Information Systems II (3 credits)
The second FAIS course covers solvency and operational capacity; accounting for long-term assets and liabilities; disclosure reporting; financial analysis issues dealing with long-term debt, retirement benefits, and deferred income taxes. Spreadsheet software applications are used as tools for the analysis of assigned problems and projects. Prerequisite: ACC 205.
Prerequisites: (ACC 2051 or ACC 2055) or ACC 205
Attributes: Undergraduate

ACC 212 Management Acc Info Sys I (3 credits)
Topics in this course include the design of cost systems, use of cost system outputs to facilitate operating decisions, and application of management accounting information in strategic planning and control. Spreadsheet software is used in modeling and for problem/project analysis. Prerequisite: ACC 102.
Prerequisites: (ACC 1021 or HON 1783 or ACC 1025) or ACC 102
Attributes: Undergraduate

ACC 307 Fin Acc Info Sys III (3 credits)
The final FAIS course covers stockholders' equity, business combinations, consolidation accounting, line of business and segment reporting, foreign operations and global accounting/reporting issues, and governmental fund accounting. There is a significant use of enterprise resource planning systems and software application tools in the course. Prerequisite: ACC 206.
Prerequisites: ACC 2061 or ACC 2065 or ACC 206
Attributes: Undergraduate

ACC 312 Acct &Consult Global Community (3 credits)
This course is designed so that students can develop an understanding of accounting information as a strategic resource and to learn how accounting technology supports business processes. The emphasis is on business process re-engineering and integrating Internet use in B2B exchanges. Topics covered include customer relationship management and strategic enterprise management using hands-on computer interface technology. Student casework focuses on using a leading enterprise resource planning system as a management accounting tool. Prerequisite: ACC 102.
Prerequisites: ACC 2125 or ACC 102
Attributes: Undergraduate

ACC 315 Federal Income Taxation (3 credits)
Focused on individual taxpayers, this course is a comprehensive introduction to the principles and procedures of income taxation at the federal level. Topics covered include filing status, exemptions, inclusions, exclusions, deductions, property transactions, capital gains and losses, nontaxable exchanges, and credits. Prerequisite: ACC 101.
Prerequisites: (ACC 1011 or ACC 1015 or HON 1773) or ACC 101
Attributes: Undergraduate

ACC 317 Auditing & Assurance Services (3 credits)
This course integrates the most important concepts of auditing and other assurance services to assist students in understanding audit decision making and evidence accumulation. Major topics covered include audit reports, auditing standards, legal liability, ethical issues, evaluation of internal controls, and audit risk. Prerequisite: ACC 206.
Prerequisites: (ACC 2061 or ACC 2065) or ACC 206
Attributes: Undergraduate

ACC 320 Mutual Fund Accounting (3 credits)
In this course, students study the accounting, reporting and operating practices of mutual funds. The history, growth, and current role of the mutual fund industry in the investment environment are covered. The impact of regulations and the industry oversight responsibility of the Securities and Exchange commission are discussed. An introduction is provided to the distinct taxation and auditing issues faced by mutual fund entities.
Prerequisites: ACC 102 and FIN 200

ACC 407 Contemp Topic:Financial Acct (3 credits)
This course explores current issues in the field of financial accounting, covering advanced topics on recording, reporting, display, and disclosure. The impacts of IFRS implementation, changing valuation techniques, and other contemporary topics on professional practice are considered. Prerequisite: ACC 206.
Prerequisites: ACC 206
ACC 410 Financial Statement Analysis (3 credits)
This course provides a user-oriented approach to understanding the information content of financial statements. Applications include ratio, cross-sectional, and time-series analysis of the data produced by the accounting information system. Using financial databases, and case studies, students investigate various aspects of measuring the success of the business organization’s activities that are of value to lenders, owners, and other stakeholders. Prerequisite: ACC 206.
Prerequisites: (ACC 2061 or ACC 2065) or ACC 206
Attributes: Undergraduate

ACC 412 Acc Tech and Financial Mngmt (3 credits)
This course is designed to engage students with a wide range of technologies that enhance private and public consultancy practice. Students will learn useful Excel skills for application in accounting, finance, and business planning. In addition, the course will present the project management function as a foundation for managing business processes and information systems. Students can be expected to develop an understanding of the strategic role of technology in obtaining competitive advantage, shortening periodic financial report preparation, and improving managerial decision making. The class environment will be experiential in nature, with a strong focus on Microsoft Excel, Microsoft Access, planning systems, and reporting software applications. Prerequisite: ACC 102

ACC 415 Special Topics in Fed Taxation (3 credits)
A comprehensive study of the federal income tax treatment of corporations, partnerships, and fiduciary entities. Transfer of gratuities is also covered. This examination of tax laws and procedures takes the form of studying illustrative examples and completion of problem-solving exercises. Prerequisite: ACC 315 or permission of instructor.
Prerequisites: (ACC 2151 or ACC 2155) or ACC 315
Attributes: Undergraduate

ACC 417 Advanced Auditing (3 credits)
In this course, theoretical auditing concepts and prescribed audit procedures are applied to actual professional practice situations. The course is largely case based. Topics include audit failures, audit firm liability, impacts of the Sarbanes-Oxley Act on the profession, and ethical responsibilities of the auditor. Prerequisite: ACC 317.
Prerequisites: (ACC 2171 or ACC 2175) or ACC 317
Attributes: Undergraduate

ACC 418 Cont Topics Audit & Assur Svcs (3 credits)
This course examines emerging issues in the field of audit and assurance services, covering subjects related directly to the attestation function in professional practice. The influences of new professional standards, risk assessment needs, heightened concerns about ethical matters, and other current topics in professional practice are considered. Prerequisite: ACC 317
Attributes: Undergraduate

ACC 419 Contemporary Accounting Topics (3 credits)

ACC 420 Fund Accounting (3 credits)
This course provides students with an introduction to the fund-based theory and practice of accounting as it is applied in governmental and nonprofit entities. Emphasis is placed on the comprehensive annual financial reporting model used for communicating with organizations’ stakeholders. Prerequisite: ACC 205.
Prerequisites: (ACC 2051 or ACC 2055) or ACC 205
Attributes: Undergraduate

ACC 422 Forensic Accounting (3 credits)
This course covers forensic accounting techniques that address the contemporary need to prevent, detect, investigate, and prosecute financial fraud perpetrators. Tools and systems used in auditing for fraud instances are discussed. Also reviewed are the professional pronouncements that apply to the independent accountant in the circumstances where financial misfeasance is suspected or uncovered. Ethical considerations and other professional responsibilities that impact the auditor and the client’s stakeholder community are included in the various cases that form the basis for course coverage. Prerequisite: ACC 317 or permission of Department Chair.
Prerequisites: ACC 317
Attributes: Undergraduate

ACC 430 International Accounting (3 credits)
This course introduces students to the accounting challenges faced by multinational companies. By reviewing the diversity of accounting systems in various countries, cultural and environmental influences on accounting and financial reporting are observed. The worldwide movement to converge or replace various national accounting rules with International Financial Reporting Standards is described. Specific issues addressed include financial disclosure, consolidation, currency translation, transfer pricing, and cross-border taxation. Prerequisite: ACC 102.
Prerequisites: (ACC 1021 or ACC 1025 or HON 1783) or ACC 102
Attributes: Globalization Course (New GEP), Undergraduate

ACC 470 Special Topics in Accounting (3 credits)
Prerequisite: Permission of Department Chair.
Attributes: Undergraduate

ACC 490 Accounting Internship (3 credits)
Prerequisites: Non-native language requirement satisfied, ACC 206, ACC 212 and have no more than 16 courses to complete before graduating.

ACC 491 Summer Internship (3 credits)
A summer internship experience can be completed with a company that recruits on campus or the student can arrange an internship on her/his own. Prerequisites: ACC 206, ACC 212, declared Accounting major, and permission of the instructor.

ACC 493 Accounting Research (1-3 credits)
Prerequisite: Permission of Department Chair.
Attributes: Undergraduate

ACC 500 Acc, Bus Anlyss and Fin Report (3 credits)
This course is designed to reinforce the conceptual foundation of accounting since its outcomes are used in managerial decision making, business analysis, and external financial reporting. Measuring, recording, summarizing, reporting, and interpreting financial transactions for U.S. companies are covered. Topics include the financial reporting model; cash- and accrual-basis measurement of profitability; basic financial analysis for business decisions; and reporting on the financing, investing, and operating activities of enterprises. Emphasis is placed on the importance of accounting data for managerial decision making and insight with respect to the importance of ethical behavior within business entities.
Restrictions: Enrollment is limited to Graduate level students.
ACC 509 Curricular Practical Training (1 credit)

ACC 510 Accounting Foundation (2 credits)
This course deals with financial accounting and reporting, and the understanding of the four basic financial statements: balance sheets, income statements, retained earnings statements, and cash flow statements. It analyzes the role of the manager in the development and use of financial statements. The use of key ratios in the analysis of the firm’s financial statement is also discussed.

ACC 511 Accounting Foundation (2 credits)
This course deals with financial accounting and reporting, and the understanding of the four basic financial statements: balance sheets, income statements, retained earnings statements, and cash flow statements. It analyzes the role of the manager in the development and use of the preparation of financial statements. The use of key ratios in the analysis of a firm’s financial statement is also discussed.

Restrictions: Enrollment is limited to Graduate level students.

ACC 520 Accounting Foundation (2 credits)

ACC 530 Accounting Concepts-Exec MBA (2 credits)
This course is designed to provide an overview of how financial information is accumulated, analyzed, interpreted, summarized, and communicated. Emphasis is placed upon an understanding of the concepts necessary to use accounting data effectively. In keeping with this focus, a user’s or manager’s approach (as opposed to a preparer’s or accountant’s approach) is adopted throughout this consideration of accounting principles and reports. In addition to the discussion of aspects of “external” reporting, this module will provide an introduction to “internal” reporting (i.e., managerial accounting) by way of examining the methods by which product costs are accumulated. The role of accounting in the manufacturing, merchandising, service industry and government will be examined. Also, the auditing implications for organizations including internal control systems and the role of the external auditor will be discussed.

Restrictions: Enrollment limited to students in the MBAEX program.

ACC 545 Cook the Books:Lessons Bus Eth (3 credits)
This course is designed to be an integrative business course with underpinnings in business ethics. In light of the accounting scandals and recent financial meltdowns, it is important for students to understand and appreciate the role of accounting in various corporate settings. Topics covered in this course will provide insight as to why ethical mindset is needed in applying various accounting principles, rules, and regulations. The purpose of requiring students to complete the Financial Shenanigan projects is to help them develop essential business skills such as: oral and written communication, working in teams, and ability to conduct research.

Restrictions: Enrollment is limited to Graduate level students.
Attributes: Gateway Course (Grad HSB)

ACC 550 Creat & Meas Shareholder Value (3 credits)
This course employs a case-based approach for assessing the value of the firm and demonstrating how shareholder value is increased. Coverage includes a description of value creation fundamentals and a discussion of contemporary value metrics such as cost-profit-volume analysis, economic value added, and activity-based measurement of management effectiveness. Using financial databases, students work in teams to apply the analytic tools of managerial decision making and prepare comprehensive reports (e.g., the Balanced Scorecard) that measure managerial performance in enhancing firm value. Prerequisites: ACC 500 and FIN 503.
Prequisites: (ACC 500 or HSB Waiver with a score of AC500 or ACC 500 Waiver Score with a score of 1) and (FIN 503 or HSB Waiver with a score of FN503 or FIN 500 Waiver Score with a score of 1)
Restrictions: Enrollment is limited to Graduate level students.

ACC 560 Managerial Accounting (2 credits)
This course builds upon ACC 510 Accounting Foundation. Major topics covered include: costing, budgeting, segment reporting, profitability, and decentralization. Other topics include relevant costs for decision making and service department costing. Prerequisite ACC 510.
Prequisites: ACC 510 or HSB Waiver with a score of AC510
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

ACC 561 Managerial Accounting (2 credits)

ACC 570 Creat&Meas Share Value Ex MBA (2 credits)
An examination of the sources and uses of internal accounting information in the planning and control processes of the firm. Specific areas of coverage include budgeting, activity based costing, TQM, “cost, profit volume analysis,” accounting decision models, capital budgeting, time value of money, and the behavioral impacts of control systems.

ACC 580 Managerial Accounting I (2 credits)

ACC 581 Managerial Accounting II (2 credits)

ACC 585 Accounting Info Mangement II (2 credits)

ACC 601 Tax Planning (3 credits)
The goal of this course is to introduce the many tax planning opportunities that are inherent in management and personal financial decisions. The emphasis is on acquiring recognition-level knowledge of the important role taxation plays in the daily operation of business enterprises and in each individual’s personal financial affairs.
Prerequisite: ACC 500.
Prequisites: MBA 4115 or ACC 550
Restrictions: Enrollment is limited to Graduate level students.

ACC 602 Financial Statement Analysis (3 credits)
This course provides a study of how to analyze a business enterprise through financial statements and related data. Topics covered include cash flow analysis, return on invested capital, profitability assessments, forecasting, credit review, and equity analysis and valuation. Prerequisite: ACC 550
Prequisites: MBA 4115 or ACC 550
Restrictions: Enrollment is limited to Graduate level students.

ACC 609 Curricular Practical Training (1 credit)

ACC 610 Topics in Accounting (3 credits)
This course covers contemporary issues of interest in the professional field of accountancy. Specific topics are detailed in the Graduate Business Course Offerings announcement. Prerequisite: ACC 550.
Prequisites: MBA 4115 or ACC 550
Restrictions: Enrollment is limited to Graduate level students.
ACC 620 Fin Statement Analysis-Ex.MBA (1 credit)
This course is designed to acquaint the business professional with the tools to properly analyze external financial statements. Emphasis will be placed on evaluating the quality of current earnings, the use of ratio analysis, and the use of external resources. Annual reports will be analyzed as part of a group project.

ACC 730 International Acc Study Tour (3 credits)
A specially designed International Tour to varying countries which offer students a unique opportunity to study International Accounting—its dimensions, participants, trends and opportunities. Students will also experience the heritage, ambiance and excitement of the world's great countries and cities. Prerequisite: ACC 550.
*Prerequisites:* MBA 4115 or ACC 550

ACC 793 Research in Accounting (3 credits)
By permission of Chair, Prerequisite: ACC 550
*Prerequisites:* MBA 4115 or ACC 550
ACTUARIAL SCIENCE (ASC)

ASC 150 First Year Seminar (3 credits)
This first year seminar course provides an introduction to the techniques actuaries use to forecast the future and quantify risk. Selected topics include time series analysis and statistical correlation, credibility theory, pricing insurance products and risk load, portfolio theory and asset allocation management. Students are also required to make a presentation on a topic of current interest in actuarial science. The course is taught in a computer classroom and students make extensive use of Microsoft Excel in the development of mathematical models.

Attributes: First-Year Seminar, Undergraduate

ASC 301 Actuarial Probability (3 credits)
This course provides an introduction to the basic probabilistic principles of insurance and Risk Management. Selected topics are covered to enable the application of probability theory to solve problems found in insurance and risk management applications. A problem solving approach will be adopted to provide preparation to pass the first actuarial exam co-sponsored by the Casualty Actuarial Society (Part 1) and the Society of Actuaries (Part P). Prerequisite: MAT 321.

Prerequisites: MAT 321
Attributes: Undergraduate

ASC 401 Financial Math - Actuarial Sci (3 credits)
This course provides an introduction to the basic probabilistic principles of insurance and Risk Management. Selected topics are covered to enable the application of probability theory to solve problems found in insurance and risk management applications. A problem solving approach will be adopted to provide preparation to pass the first actuarial exam co-sponsored by the Casualty Actuarial Society (Part 1) and the Society of Actuaries (Part P). Students may not receive credit for both this course and FIN 493, depending on the content of the course. Please consult the Program Director.

Prerequisites: MAT 321
Attributes: Undergraduate

ASC 402 Models of Financial Economics (3 credits)
This course introduces basics of pricing and hedging (risk management) of financial derivatives. Major topics which will be discussed are: a put-call parity, the binomial model for pricing European and American contingent claims, the continuous time model, Brownian motions, stochastic differential equations, Ito formula, Black-Scholes type equations, delta-hedging, exotic options, affine interest models, price zero-coupon bond, Monte Carlo simulation, variance reduction technique. This course will prepare students for the actuarial science examination in Model of Financial Economics which is co-sponsored by the Casualty Actuarial Society (Exam 3F) and the Society of Actuaries (Exam MFE). If time permits, the class will discuss the fundamental difference between Actuarial Pricing and Financial Pricing and how to combine them to price hybrid products such as Variable Annuities.

Prerequisites: MAT 322 and ASC 401
AEROSPACE STUDIES (AER)

AER 101 Foundations of USAF I (1 credit)
A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officer and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with followership experiences. 
Attributes: Undergraduate

AER 102 Foundations of USAF II (1 credit)
A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officer and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with followership experiences. 
Attributes: Undergraduate

AER 200 Leadership Lab (0 credits)
Attributes: Undergraduate

AER 201 Evolution USAF Aero Power I (1 credit)
A survey course designed to facilitate the transition from Air Force ROTC cadet to Air Force ROTC candidate. Featured topics include: Air Force heritage, Air Force leaders, an introduction to ethics and values, introduction to leadership, group leadership problems, and continuing application of communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with their first opportunity to apply leadership experiences discussed in class. 
Attributes: Undergraduate

AER 202 Evolution USAF Aero Power II (1 credit)
A survey course designed to facilitate the transition from Air Force ROTC cadet to Air Force ROTC candidate. Featured topics include: Air Force heritage, Air Force leaders, an introduction to ethics and values, introduction to leadership, group leadership problems, and continuing application of communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing cadets with their first opportunity to apply leadership experiences discussed in class. 
Attributes: Undergraduate

AER 251 L GMC Leadership Lab (0 credits)
Attributes: Undergraduate

AER 252L Leadership Lab (0 credits)
Attributes: Undergraduate

AER 301 Air Force Leadership Studies I (3 credits)
This course is a study of the leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training Attributes: Undergraduate

AER 302 Air Force Leadership Studies II (3 credits)
This course is a study of the leadership and quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training Attributes: Undergraduate

AER 351 L POC Leadership Lab (0 credits)
Attributes: Undergraduate

AER 352 L POC Leadership Lab (0 credits)

AER 401 National Security Affairs I (3 credits)
This course examines the national security process, regional studies, advanced leadership ethics, Air Force doctrine. Special topics of interest focus on the military as a profession, officer professionalism, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training Attributes: Undergraduate

AER 402 National Security Affairs II (3 credits)
This course examines the national security process, regional studies, advanced leadership ethics, Air Force doctrine. Special topics of interest focus on the military as a profession, officer professionalism, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. Leadership Laboratory (AER 200) is mandatory for Air Force ROTC cadets, and it complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles. Prerequisite: Successful completion of Air Force ROTC Field Training Attributes: Undergraduate
AMERICAN SIGN LANGUAGE (ASL)

ASL 101 American Sign Language I (3 credits)
This course will provide the learner with fingerspelling and basic sign language skills. Students will gain knowledge of the deaf culture, hearing loss and its implications, and various communication systems used by the deaf. Fulfills the GEP non-native language requirement.
Attributes: Undergraduate

ASL 102 American Sign Language II (3 credits)
This course will serve to supplement the beginner’s course by providing more in-depth study of the deaf, their culture and the various communication systems used by the deaf. Conversational abilities should be attained by the end of this class. Pre-requisite: ALS 101 or permission of the instructor. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of ES102 or ASL 101
Attributes: Undergraduate

ASL 201 Intermediate Amer Sign Lang I (3 credits)
Continuing American Sign Language instruction for intermediate learners. Focus is on receptive, expressive and conversational competence, based on a total immersion approach. Emphasis is placed on topics that which naturally occur within the Deaf community. Students will have the opportunity to develop relationships with members of the Deaf community through outside interactions, which are encouraged in order to increase linguistic and cultural knowledge. Pre-requisite:. Fulfills the GEP non-native language requirement.
Prerequisites: ASL 102
Attributes: Undergraduate

ASL 202 Intermediate Amer Sign Lang II (3 credits)
This course will continue American Sign Language for intermediate learners. The focus continues to be on honing receptive, expressive and conversational competence, based on a total immersion approach. Students will still have the opportunity to develop relationships with the Deaf community through outside interactions. Fulfills the GEP non-native language requirement.
Prerequisites: ASL 201
Attributes: Undergraduate
ART 101 Intro to Art History I (3 credits)
A survey of the visual arts and architecture from Pre-Historic times to the Renaissance. Students are introduced to a wide range of artistic practices, styles, and media from many major periods and styles throughout history including pre-historic, Roman, Byzantine, medieval and Gothic.
Attributes: GEP Art/Literature, Undergraduate

ART 102 Art History Survey II (3 credits)
A survey of the visual arts and architecture from the Renaissance to the present. Students are introduced to a wide range of artistic practices, styles, and media, including painting, drawing, prints, photography, sculpture, installation art, performance art, film, video, and architecture. The class I examines major periods and movements in the history of art, including the Italian Renaissance, Impressionism, Cubism, Abstract Expressionism, and the multiple artistic currents that characterize art being created today.
Attributes: GEP Art/Literature, Undergraduate

ART 103 Non Western Art & Architecture (3 credits)
This course moves beyond North America and Europe to offer a global view of the visual arts and architecture. From the Great Pyramids and the Taj Mahal to Ukiyo-e woodcuts, Frida Kahlo's paintings, and the myriad works by African artists today, such works offer insight into the range and complexity of today's increasingly globalized climate. For each semester in which it is offered, this course focuses on art from a specific country or region outside of North America and Western Europe, including those found in Africa, Asia, and Central and South America. It takes advantage of the many rich collections of art and architecture in the Philadelphia area by visiting these institutions and analyzing works firsthand.
Attributes: Asian Studies Course, GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

ART 104 The Experience of Architecture (3 credits)
This course is designed to acquaint the student with the medium of architecture as environmental artwork capable of both reflecting a society's self-image, and directly influencing that image. Working from various motifs based, and the course focuses on working from life (meaning that students work from their actual visual experience) or on learning from the work of established professional painters, so that constructive practice, introducing terminology, developing language and examining the basics of image-making through painting, developing good studio
Attributes: GEP Art/Literature, Undergraduate, Writing Intensive Course-GEP

ART 105 Arts of East Asia (3 credits)
This course introduces students to East Asian art and architecture and to East Asian history and culture in general. Lectures and discussions address major movements in the visual culture of East Asia, including architecture, painting and sculpture. Readings cover both art historical works and primary source material in translation. Themes include religious art, particularly the introduction of Buddhist to East Asia from India, cultural interchange within East Asia, and the collection and display of East Asian art in America. Students are given the opportunity to see relevant works of art in collections in the Philadelphia region.
Attributes: Diversity Course (New GEP), GEP Art/Literature, Globalization Course (New GEP), Non-Western Studies (GEP), Undergraduate

ART 106 Art of Colonial Latin America (3 credits)
This course examines the visual arts of Latin America beginning with the Spanish and Portuguese colonialization of the New World until the early nineteenth century when Independence was achieved. It encompasses the study of painting, sculpture, decorative arts and architecture from Mesoamerica, Central America, South America and the Caribbean. We also address issues critical to discussions of the arts of Latin America, such as preconceptions about the political and religious roles in art, appropriation and adaptation of western cultures, the incorporation and relationship with European/American art theory and methods, and the reevaluation of Latin American art today. Students are given the exciting opportunity to examine works of art from Saint Joseph's University's important collection of colonial Spanish American art as well as collections at nearby museums.
Attributes: GEP Art/Literature, Non-Western Studies (GEP)

ART 107 Women, Gender, and Art (3 credits)
This course offers a survey of art history with an emphasis on gender. It will consider how gender informs the production, reception, and cultural understanding of art and imagery. Students will consider how gender is relevant to the creation and study of arts and culture. We will study artists who have used art to effect social change. Exploring feminist approaches to art historical study, we will analyze perceptions of gender through visual culture and personal experience. We will examine the ways that certain ideals of masculinity and femininity are represented in art and its history to gain insight into gender performance and sexual identity both in past periods and in contemporary society.
Attributes: Diversity Course (New GEP), Gender Studies Course, GEP Art/Literature, Undergraduate

ART 121 Introduction to Studio Art (3 credits)
This course is designed to introduce the essential elements of painting, drawing and sculpture. Working from the landscape, still life and the figure, students research two-dimensional form and space through a variety of mediums that includes: charcoal, pencil and paint. The investigation of three-dimensional issues is done with clay. Fulfills GEP Art, Music/Theater/Film, or Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

ART 133 Drawing I (3 credits)
Students work from their actual visual experience. Working from the landscape, still life and the figure, students research form and space through tone, size relationships, mark-making and composing the picture plane. Ultimately we try to integrate these elements producing a unified whole as well as finding an equivalent to the artists’ experience. Media range from small pencil drawings to larger more ambitious charcoal drawings.
Attributes: GEP Art/Literature, Undergraduate

ART 135 Painting I (3 credits)
This course concentrates on becoming familiar and proficient with the basics of image-making through painting, developing good studio practice, introducing terminology, developing language and examining the work of established professional painters, so that constructive discussions and self-analysis may take place. The subject is studio-based, and the course focuses on working from life (meaning that students work from their actual visual experience) or on learning from the attempt to express an interior reality. Working from various motifs as appropriate, including the landscape, still life and the figure, students research form and space using paint.
Attributes: GEP Art/Literature, Undergraduate
ART 136 Landscape Painting (3 credits)
This course is designed to introduce the student to the essential elements of painting. We research these elements through the unique challenges that arise from notating the landscape, which include: overlapping forms, color temperature, the vastness of an outdoor space, scale relationships and atmospheric perspective. Ultimately we try to integrate these elements producing a unified whole as well as finding an equivalent to the artists’ experience.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 137 Printmaking (3 credits)
In this class we explore the processes of printmaking, resulting in as many as five projects all of which are realized in numbered editions. The areas covered include: reversing the image, direct cutting, color registration, and developing a substantial image from working drawings. The class includes slide presentations and critical discussions of student works.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature

ART 138 Landscape Drawing (3 credits)
This course is designed to introduce the student to the essential elements of drawing from the landscape. We research form and space while working from the landscape. Some of the issues include: reversing the image, direct cutting, color registration, and developing a substantial image from working drawings. The class includes slide presentations and critical discussions of student works.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature

ART 140 3-D Studio Art (3 credits)
This introductory course explores ideas and techniques for sculpting the figure from life. Traditional figurative sculpting is taught through study of anatomical proportion, muscular structure, and clay modeling. The history of contemporary figurative sculpture will be explored through lectures, power point presentation, videos, and student research. This class culminates in a project based on contemporary figurative processes.

Attributes: GEP Art/Literature, Undergraduate

ART 141 Pottery I (3 credits)
This course is an introduction to the potter’s wheel. The primary focus is functional pottery with a minor emphasis on building and modeling by hand. Topics include basic handbuilding techniques, basic to intermediate throwing techniques, ceramic surfacing and firing methods, and concept development. In this course, students explore a variety of functional pottery forms including cups, bowls, vases and pitchers. Classes consist of technical demonstrations, lectures, practice time, and critiques.

Attributes: GEP Art/Literature, Undergraduate

ART 143 Mosaics I (3 credits)
This course focuses on the relationship between image and object through an exploration of ceramic tile and mosaics. Found adorning the most sacred of spaces and often performing the most mundane of functions, ceramic tile is a form of artistic inquiry that explores the intersection of art and utility. Topics include visual perception and language; basic painting and drawing methods; non-objective, abstract and representational imagery; and the construction, firing, and glazing of ceramic tile and mosaics.

Attributes: GEP Art/Literature, Undergraduate

ART 144 Ceramics I (3 credits)
This course is an introduction to building and modeling clay vessels and sculptures by hand with a minor emphasis on the potter’s wheel. Topics covered include basic to intermediate handbuilding techniques, basic throwing techniques, ceramic surfacing and firing methods, and concept development. Classes consist of technical demonstrations, lectures, practice time, and critiques. In this course, students explore a variety of functional and sculptural forms.

Attributes: GEP Art/Literature, Undergraduate

ART 145 Figurative Sculpture (3 credits)
This introductory course explores ideas and techniques for sculpting the figure from life. Traditional figurative sculpting is taught through study of anatomical proportion, muscular structure, and clay modeling. The history of contemporary figurative sculpture will be explored through lectures, power point presentation, videos, and student research. This class culminates in a project based on contemporary figurative processes.

Attributes: GEP Art/Literature, Undergraduate

ART 147 Intro to Found Object Art (3 credits)
Making art from everyday objects is regarded as a form of sculptural expression. This class will focus on both the historical and contemporary styles of Found Object art-making. Students are required to both find/purchase objects and reconfigure them into sculptures. Common venues for acquiring objects are explored. These include flea markets, thrift stores, recycling centers, garage sales, and one’s own basements/attics. Once acquired we explore the various methods of reconfiguration into objects of art.

Attributes: GEP Art/Literature, Undergraduate

ART 150 Blasphemy & Devotion (3 credits)
Modern and contemporary artists and architects have engaged the many intersections between art and religions, and unprecedented globalization has helped spur dialogs among a wide range of creeds and has called attention to artists’ (sometimes controversial) visual responses to religion worldwide. This course also considers debates raised in recent exhibitions and scholarly texts. Artists studied include VanGogh, Warhol and Kahlo. Although some emphasis is placed on the relationship between art and Catholicism, students also analyze creative responses to many faiths, including other forms of Christianity, Judaism, Hinduism, Buddhism, and Islam.

Attributes: First-Year Seminar, Undergraduate

ART 157 Music History I (3 credits)
ART 170 Spec. Topics & Ind. Study (FR) (3 credits)
Concentrated focus on a selected topic in Art at an introductory level.

GEP certifications vary by section.

Attributes: GEP Art/Literature, Undergraduate
ART 171 Color Composition (3 credits)
A hands-on photography course aimed at the student who wants to develop the perceptual, creative and technical skills needed to use a camera effectively, with color film. Presentations of color photographs, class discussions and student critiques of their own work deal with elements of photographic composition, focus, and light. Student work is done in the medium of color slides.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 172 Traditional Photography (3 credits)
This course investigates film-based black and white photography as an expressive and creative medium. Topics include the skills of using a 35mm camera effectively, film processing, basic darkroom printing techniques, and an understanding of the aesthetics of photography. Adjustable 35mm cameras will be provided to any students who need them.
Attributes: GEP Art/Literature, Undergraduate

ART 173 Digital Photography I (3 credits)
This course teaches the fundamental principles of photography using digital materials and equipment. Students will use digital cameras, computers, and scanners as tools for image manipulation and creative expression through the latest version of Adobe Photoshop and Lightroom. Topics will include basic photographic elements of exposure, camera controls, focus, lighting, tone, and a brief introduction to color. A limited number of digital cameras are available to students who need them.
Attributes: GEP Art/Literature, Undergraduate

ART 174 Alt. Photographic Processes (3 credits)
This course is an introduction to the photographic image as it relates to the fine art and contemporary commercial worlds, and the creative possibilities that result from the combination of historic printing methods with contemporary media. Students will learn a variety of alternative processes that can produce or appropriate “photographic” images without the use of a camera. Experimentation with “non-silver” techniques such as solar printing (sun prints), hand-applied emulsions, and computer-generated negatives will allow students to explore their own artistic approach to a photographic printmaking process that does not require extensive technical expertise.
Attributes: GEP Art/Literature, Undergraduate

ART 178 Art History &Photography:Italy (3 credits)
This Art study tour will have a combined emphasis on the history of Italian Renaissance art and the practice of photography. Through travel to the Italian cities of Venice, Florence, and Rome students will have the opportunity to explore the great works of art and architecture that defined the Renaissance in Italy – St. Mark’s Square, the Uffizi, the Sistine Chapel and more. They will also spend time developing photographic skills as they explore these cities with an eye toward creating their own photo essay. Travel will be over Spring Break. No prior experience in either art history or photography is required.

ART 180 Encountering Mystery (3 credits)
This course investigates the relationship between art, religious belief structures, and mystical experience. With a number of texts from Comparative Religion and Art Theory as backdrop, the lectures, discussions, and papers will involve presentations of art and architecture which circumscribe religious belief structures as well as expressions of spiritual conviction. Discussions of the essential elements of the I-am-spiritual-but-not-religious mindset will expose contrasting experiences of the mysterium tremendum et fascinans, the “numinous” wholly Other. Reflection on experience will lead to a stronger ability to express one’s own attitudes about the scientific mindset and the creative expression of spiritual ideas and ideals.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), GEP Art/Literature, Undergraduate

ART 202 Late Antique and Medieval Art (3 credits)
This course examines human cultural production between the years 250 and 1300. Beginning in the last centuries of the Roman Empire, and continuing through the luminous art of the "dark ages," the topics of study conclude with the towering monuments of the French Gothic style. Particular attention is given to works of architecture and engineering, and class discussion explores themes of social as well as political history.
Attributes: GEP Art/Literature, Undergraduate

ART 203 Renaissance Art (3 credits)
This course analyzes key works of art and architecture and art historical trends from the period of the 14th to 17th century. The focus of our exploration is on the art of Europe, with a particular emphasis on Italy, Spain, and the Netherlands. We discuss the careers and works of artists such as Michelangelo, Leonardo da Vinci, and Albrecht Dürer. We also explore the social and historical context of the art they produced. Attention is paid to a variety of art forms, including painting, sculpture, and architecture.
Attributes: GEP Art/Literature, Undergraduate

ART 204 Baroque Art and Architecture (3 credits)
This course analyzes key monuments and art historical trends from the late 16th century to the mid-18th century. The focus of our exploration is on the art of Europe, with a particular emphasis on Italy, Spain, and the Netherlands. We discuss the careers and works of artists such as Caravaggio, Gianlorenzo Bernini, Artemisia Gentileschi, and Jan Vermeer, and also explore the social and historical context of the art they produced. Attention is paid to a variety of art forms, including painting, sculpture, and architecture.
Attributes: GEP Art/Literature, Undergraduate

ART 205 NeoClassic-Impression1780-1880 (3 credits)
From the power of Neoclassicism to the decadence of the fin-de-siècle, painters, sculptors, and architects challenged tradition and transformed art during the dynamic and often turbulent years between 1780 and 1880. The death of the revolutionary hero, the search for spiritual meaning, the "rape" of the countryside by industrialism, the anxious masculinity of romanticism, and the emergence of such conceptions as "Orientalism" and nationalism are some of the themes that are addressed through the art of this period. Students study the careers of such artists as David, Delacroix, Ingres, Gericault, Constable, Turner, and Goya, and the radical landscape painting of the mid-century that foreshadowed Impressionism. Themes explored include gender and sexuality, patronage, and political censorship, and we focus on the social and political contexts in which works were produced, exhibited, and understood.
Attributes: GEP Art/Literature, Undergraduate
ART 206 Impressionism (3 credits)
This course examines paintings produced between the mid-nineteenth and early twentieth centuries. We consider artists from many countries who worked and exhibited in Paris at this time, including Monet, Renoir, Degas, and Cassatt. This course also includes discussion of artists who immediately followed the Impressionists, such as Manet, Seurat, Cézanne, Van Gogh and Gauguin. We consider the reception of these artists' works by their contemporaries and since, and examine these works within their wider artistic, cultural, political, and social contexts.
Attributes: GEP Art/Literature, Undergraduate

ART 207 American Art and Architecture (3 credits)
This course offers a survey of the history of American art and architecture. Organized around important episodes in American history, including the Civil War, the Harlem Renaissance, and the Civil Rights Movement, this course considers such topics as the role of gender and racial identity in the content, authorship, and reception of artworks. The class examines major movements in the history of American art, with an emphasis on works that historically have been overlooked because of the race, gender, religion, nationality, and/or ethnicity of the artist or architect. In an effort to show the currency and relevance of these issues, and to scrutinize how art institutions treat (or ignore) issues of diversity, the course requires students to visit area museums and galleries.
Attributes: GEP Art/Literature, Undergraduate

ART 208 Modern Art & Architecture (3 credits)
This course offers a survey of the history of European and American art and architecture, with a focus on the first half of the 20th century. Students are introduced to a wide range of artistic practices, styles, and media, including painting, drawing, prints, photography, sculpture, film and architecture. The class examines major movements within the history of art, including such artists as Pablo Picasso, Marcel Duchamp, Frida Kahlo, and Salvador Dalí. It takes advantage of the many rich collections of art and architecture in the Philadelphia area by visiting these institutions and analyzing works firsthand.
Attributes: GEP Art/Literature, Undergraduate

ART 209 Contemporary Art (3 credits)
The period from the mid-twentieth century to the present is one of exceptional political, social, cultural, and technological upheaval. This course offers a survey of European and American painting, drawing, prints, photography, sculpture, installation art, performance art, film, video, and architecture within the context of these changes. Topics covered include debates regarding abstraction and figuration, as well as feminism, primitivism, modernism, postmodernism, and the impact of such factors as technology, religion, and war on the creation and reception of art.
Attributes: GEP Art/Literature, Undergraduate

ART 210 Museum Studies (3 credits)
This course explores the history of museums and debates about the nature of collecting and modes of display. Using historical and theoretical texts as well as select case studies, it focuses on the evolving structure and mission of the museum and its impact on our understanding of art and related fields. In addition to the study of the history of exhibitions and the role of the museum, the course investigates the various jobs and responsibilities that people hold within museums. Guest speakers include members of the curatorial, publications, registration, education, and installation staff at various area museums. We take advantage of the distinct art institutions in Philadelphia, exploring their exhibitions and permanent collection displays. Although centered on art museums, this course also considers a broad range of museum practices.
Attributes: GEP Art/Literature, Undergraduate

ART 212 History of Photography (3 credits)
Photography is a widely used but relatively little understood medium. This course offers a survey of photography in the United States and Europe from its invention to the present. We examine the ways in which photography has been employed by amateurs, artists, anthropologists, politicians, and scientists for a wide range of purposes. We also examine how the medium has affected portraiture, painting, documentation, journalism, and advertising. The class considers photography in the context of continuing debates regarding the nature of reality and truth, photography's status as art or document, subjectivity versus objectivity, and issues of originality, authenticity, and power.
Attributes: GEP Art/Literature, Undergraduate

ART 221 Art Education in the Schools (4 credits)
Qualified students are invited to take part in a supervised practicum, teaching at a local grammar school. In this course there are seminar discussions in methods of teaching, levels of mark making, learning styles, art historical references for the learning lessons being taught this week in the school in an eight-week intensive experience of teaching a group of fifteen to thirty primary school students. While this is being done, the students keep a weekly diary from which they construct a ten-page term paper on the meaning of the experience. This is a service learning course. This course may count as a GEP course if taken in conjunction with an introductory studio course (studio, drawing, painting, 3D, ceramics, traditional or digital photography).
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Art Education or Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 233 Drawing II (3 credits)
Our purpose is to explore both formally and conceptually the elements of drawing in order to realize an authentic vision. Through directed exercises students discover new possibilities in the essential experience of drawing. These exercises cover the formal issues including surface and spatial geometry, the relationship between tone or scale to spatial depth, the mark as a means to personal expression and the integration of pictorial elements into a unified whole. In order to create new possibilities, students experiment with developing images and explore how and why images become interesting. This course may be taken as an independent study.
Prerequisites: ART 1311 (may be taken concurrently) or ART 1331 (may be taken concurrently) or ART 121 (may be taken concurrently) or ART 133 (may be taken concurrently)
Attributes: GEP Art/Literature, Undergraduate

ART 235 Painting II (3 credits)
Through lectures, critical discussions course work and examination of the work of established professional painters, students will study content and material issues pertinent to producing compelling artworks. Finding one's own voice as well as an authentic application of the media are primary objectives. Formal concerns such as dynamic composition and rigorous construction of form and space will be stressed. This course may be taken as an independent study.
Prerequisites: ART 135
Attributes: GEP Art/Literature, Undergraduate
ART 243 Mosaics II (3 credits)
This course covers intermediate wheel-throwing techniques to create complex functional forms, such as teapots, lidded jars, forms within forms, and large vessels. Emphasis is given to the ergonomics of each vessel. Topics also include function as an abstract attribute of material expression and the role of handmade pottery from a historical and contemporary viewpoint. Classes consist of technical demonstrations, lectures, practice time, and critiques. This course may be taken as an independent study.
Prerequisites: ART 142 or ART 143 or ART 144
Attributes: GEP Art/Literature, Undergraduate

ART 244 Ceramics II (3 credits)
This course explores the techniques and concepts involved in creating complex hand-built and wheel-thrown vessels and sculptures. Assignments are concept-driven and encourage creative inquiry and independent thought. The emphasis is not only the refinement of skill but the importance of content. Topics include sculptural approaches to clay, the wheel as an idea generating tool, alternative surfacing methods, and other research-driven investigations. Classes consist of technical demonstrations, lectures, practice time, and critiques. This course may be taken as an independent study.
Prerequisites: ART 142 or ART 143 or ART 144
Attributes: GEP Art/Literature, Undergraduate

ART 245 Atmospheric Firing: Wood/Salt (3 credits)
This course explores the effects of wood, salt, and raku firing on pottery and sculpture. Firings include high-fire, midrange, and low-fire. To create a type of visual poetry, the projects in this course focus on the distinct attributes of each firing: fuel source, timing, weather, loading method, and flame path. Topics include the impact of heat movement, atmosphere, and temperature on aesthetics and functionality. Some off-campus events are required, including firing a Japanese style noborigama kiln. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 246 Ceramic Sculpture (3 credits)
Students explore the development of ceramic sculpture from its earliest beginnings to contemporary work being done. A variety of techniques to both construct and glaze ceramics are studied. Students will be expected to produce a body of sculptural work that explores both personal ideas and historical techniques. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 247 Appropriated Art (3 credits)
Making art from everyday objects is regarded as a form of sculptural expression. This class focuses on both the historical and contemporary styles of Found Object art-making. We develop the skills acquired in ART 147 or ART 141. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 248 Figurative Sculpture II (3 credits)
This class consists of research, discussion, and practice on contemporary figurative and body art issues. Projects throughout the semester explore different sculptural working methods, processes, and techniques including armature, traditional materials, molding/casting, and form building. Outcome of student work is focused on understanding of human gesture and individual expression.
Attributes: Undergraduate

ART 266 Women in Modern Theatre (3 credits)

ART 270 Spec. Topics & Ind. Study (SO) (3 credits)
Concentrated focus on a selected topic in Art History. Topic and content vary from semester to semester. Course may be taken twice for credit as the topic changes.
Attributes: GEP Art/Literature, Undergraduate
ART 272 Traditional Photography II (3 credits)
This course provides a continuation or review of film-based camera and darkroom techniques while introducing more advanced and experimental development. Topics include archival printing, advanced exposure controls, experimental camera work, and darkroom print manipulation. Slide presentations of master photographers will illustrate the flexibility of the medium and enable students to develop visual analysis, as well as their own creative expression. Adjustable 35mm film cameras will be provided to any student who needs one. May be taken as an independent study with the instructor's permission during years when it is not regularly scheduled.
Prerequisites: ART 172
Attributes: GEP Art/Literature, Undergraduate

ART 273 Digital Photography II (3 credits)
This second level digital photography course explores a broad range of topics in the creative use of digital photography. Using Photoshop software, students will develop a high level of personal control of their images. Topics include lighting, perception and use of color, digital toning and "hand coloring," combining multiple layers, creative masking, combining text and images, image web design, digital "silkcreen" techniques, scanning, and digital fine printing. A limited number of digital cameras are available to students who need them.
Prerequisites: ART 275 or ART 173
Attributes: GEP Art/Literature, Undergraduate

ART 275 Color Photography (3 credits)
This course is a comprehensive introduction to digital color photography. Students learn how light influences color, how colors interact within an image, and how color influences meaning and emotional impact. Topics will include camera work and an understanding of light, digital processing, and printing with an emphasis on color theory and the history of fine art color photography.
Prerequisites: ART 172 or ART 173
Attributes: GEP Art/Literature, Undergraduate

ART 301 Art and Archaeology: Greece (3 credits)
This course examines the material culture remains of various cities prominent in the history of Greece. Knossos, the main city of the island of Crete, Troy, and Mycenae are among the sites studied for their importance in the Bronze Age (3000-1100 BCE). After a detailed study of Greek architecture and the evolution of key building types such as the temple, the stoa, and the theater, students explore the material remains of Olympia, Delphi, and Athens. The myths associated with these cities are also included.

ART 302 Art and Archaeology: Italy (3 credits)
An introduction to the art and archaeology of Roman Italy, which will explore through digital images the major surviving monuments of Rome and its environs, of the Etruscans, and of other famous sites in Italy.

ART 333 Drawing III (3 credits)
Drawing III is an intensive and rigorous study of drawing where students produce an enormous amount of work. The issues we investigate include: organizing your visual experience into a clear pictorial idea, recognizing and articulating the structure of a work, the relationships in tone and the uses of scale as an element. This course is directed to be a more personal exploration of drawing and images. Students will be encouraged to produce a series of related images. This course may be taken as an independent study.
Prerequisites: ART 233
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 341 Sculpture III (3 credits)
Advanced skills in three-dimensional concepts and techniques. This course may be taken as an independent study.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 344 Ceramics III (3 credits)
More complex work in ceramic sculpture, pottery-making or mosaics are studied in this class. It is expected that the students in this class will explore and develop their personal approach to both ceramic art and glazing/firing techniques. One other class in ceramics is required before enrolling in this class. The requirements are designed to develop a strong sense of the history in ceramics and the students’ own skills in ceramic art. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 370 Spec. Topics & Ind. Study (JR) (3 credits)
Concentrated focus on a selected topic in Studio Art. Topic and content vary from semester to semester. Course may be taken twice for credit as the topic changes.
Attributes: GEP Art/Literature, Undergraduate

ART 372 Directed Projects - Photography (3 credits)
This course provides students with an opportunity to build a comprehensive portfolio of photographic work. Topics include specific shooting assignments that lead to individual projects that investigate the photography student’s personal vision. Lectures and presentations review the work of selected fine art photographers, both historic and contemporary, for group discussion and analysis. With input from the instructor and the class, students develop their own photographic project in traditional, non-silver, or digital media, reflecting historic and/or contemporary genres of image making. May be taken as an independent study with the instructor’s permission during years when it is not regularly scheduled.
Prerequisites: ART 172 or ART 173 or ART 272 or ART 273
Attributes: GEP Art/Literature, Undergraduate
ART 373 Photo Essay/Docu Photo (3 credits)
This course is an introduction to the tradition of documentary photography. Topics will emphasize why people photograph, the stories photographs can tell us, and how photographs can manipulate or evoke emotions. Presentations will include the work of master documentary photographers, both fine art and journalistic, enabling students to discuss and analyze social documentation as well as autobiographical documentation. Assignments will encourage students to look at their own world in a new way and allow them to choose their own subjects for a photographic essay. May be taken as an independent study with the instructor’s permission during years when it is not regularly scheduled.
Prerequisites: ART 273
Attributes: GEP Art/Literature, Undergraduate

ART 374 Studio Photography (3 credits)
This course investigates the versatility and creative potential of the photographic studio and the “directed” photographic stage. Topics will include portraiture, full figure study, still life, and staged environments, as well as the controlled lighting and set-ups of a photographic studio. Contemporary and historical references will include slide presentations, as well as visits to a museum or gallery and a professional photography studio. May be taken as an independent study with the instructor’s permission during years when it is not regularly scheduled.
Prerequisites: ART 172 (may be taken concurrently) or ART 172 (may be taken concurrently)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Fine Performing Arts.
Attributes: GEP Art/Literature, Undergraduate

ART 444 Ceramics IV (3 credits)
More complex work in ceramic sculpture, pottery-making or mosaics is studied in this class. It is expected that the students in this class will explore and develop their personal approach to both ceramic art and glazing/firing techniques. One other class in ceramics is required before enrolling in this class. The requirements are designed to develop a strong sense of the history in ceramics and the students' own skills in ceramic art. This course may be taken as an independent study.
Attributes: GEP Art/Literature, Undergraduate

ART 470 Spec. Topics & Ind. Study (SR) (3 credits)
Concentrated focus on a selected topic in Art at an advanced level. Course may be taken twice for credit as the topic changes. GEP certifications vary by section
Attributes: GEP Art/Literature, Undergraduate

ART 491 Internship in the Arts I (3 credits)
Junior and Senior art majors may broaden their perspective by completing an approved internship in the arts. Work in industry, art studios, theatres, galleries and museums offers potential opportunities for internships. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.
Attributes: GEP Art/Literature, Undergraduate

ART 492 Internship in the Arts II (3 credits)
Junior and Senior art majors may broaden their perspective by completing an approved internship in the arts. Work in industry, art studios, theatres, galleries and museums offers potential opportunities for internships. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.
Attributes: GEP Art/Literature, Undergraduate

ART 493 Ind. Research in the Arts I (3 credits)
Students pursuing advanced independent projects, especially those in connection with departmental or university honors, may register for these courses under the direct mentorship of department faculty. Prior approval of both faculty mentor and chair required.
Attributes: GEP Art/Literature, Undergraduate

ART 494 Ind. Research in the Arts II (3 credits)
Students pursuing advanced independent projects, especially those in connection with departmental or university honors, may register for these courses under the direct mentorship of department faculty. Prior approval of both faculty mentor and chair required.
Attributes: GEP Art/Literature, Undergraduate

ART 495 Senior Project I (Capstone) (3 credits)
A student majoring in Art (excluding double majors) must do a supervised senior project, which combines both production and analysis. Under a mentor’s guidance the student researches some specific aspect of one of the arts; the first semester’s research should result in a paper describing the research and its intended product. The second semester’s work consists of production and final exhibition or research paper. (Art Education majors and double majors may, but are not required to complete the Senior Project courses. Instead those students may take two additional Art courses).
Attributes: GEP Art/Literature, Undergraduate

ART 496 Senior Project II (Capstone) (3 credits)
A student majoring in Art (excluding double majors) must do a supervised senior project, which combines both production and analysis. Under a mentor’s guidance the student researches some specific aspect of one of the arts; the first semester’s research should result in a paper describing the research and its intended product. The second semester’s work consists of production and final exhibition or research paper. (Art Education majors and double majors may, but are not required to complete the Senior Project courses. Instead those students may take two additional Art courses).
Attributes: GEP Art/Literature, Undergraduate

ART 497 Professional Practices Seminar (3 credits)
The class is a seminar with practical applications. It is part laboratory for hands-on projects and part discussion group. Projects include: creation of a professional website, creation of a professional resume and creation of writing samples, application for a grant and public speaking. Class trips to galleries and museums will form the basis for discussions about contemporary art and for critical writing assignments. Topics under discussion include: the transition from student to professional, job searches, gallery contracts, grant applications, graduate school options and trends in contemporary art. Class attendance and participation are mandatory. By the end of the semester, students will have a website for their work, a resume, an artist statement and writing samples. They will know how to apply for a grant and they will be aware of the possibilities for employment and exhibition in the arts. The class is aimed at Art majors, but those outside the major will also find it useful.
Attributes: GEP Art/Literature, Undergraduate
BIOLOGY (BIO)

BIO 101 Bio I: Cells (4 credits)
The study of the structure and function of representative prokaryotic and eukaryotic cells. Chemical makeup, organelle interactions, energy producing and biosynthetic reactions will be stressed. Three lecture periods, one three-hour laboratory period (BIO 101L or 150L). First of three courses in the core program.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

BIO 101L Bio I: Cells Lab (0 credits)
Students who register for BIO 101 must also register for a BIO 101 laboratory. For example, if you register for BIO 101 you must, at the same time, register for BIO 101L.
Attributes: GEP Natural Science, Undergraduate

BIO 102 Bio II: Genetics (4 credits)
The study of heredity and the mechanism of transmission of genetic information in biological systems. The course material is approached from the population, organismic, and biochemical perspectives. Three lecture periods, one three-hour laboratory period (BIO 102L or 151L).
Prerequisite: BIO 101.
Prerequisites: (BIO 1011 or BIO 1015) or BIO 101
Attributes: Science Course w/Lab (Sci Maj), Undergraduate

BIO 102L Bio II: Genetics Lab (0 credits)

BIO 150 The Science of Learning Science (3 credits)
A first year seminar focusing on the science that underlies how we learn and application of that to teaching and learning science, with a focus on biology. Students will read literature on learning that ranges from the world works to current evidenced-based studies of effective ways to teach and learn science. Students will put this new knowledge to work immediately by analyzing their own learning and by designing and teaching hands-on science units to children. Co-requisite: BIO 101.
Attributes: First-Year Seminar

BIO 150L Bio I: Cells Lab Phage (0 credits)
A research-based laboratory for freshmen accompanying BIO 101 involving isolation, purification, and preliminary genomic characterization of bacteriophages, viruses that infect bacteria. Open to first year students majoring in Biology, Chemical-Biology, or Environmental Science. Admission by application. Successful completion of BIO101 and 150L fulfills the first year seminar GEP requirement. Students are expected to continue with BIO 101L in the spring. Two 105-minute lab periods.
Attributes: First-Year Seminar, Undergraduate

BIO 151 Bio II: Genetics Lab Phage (0 credits)
A continuation of BIO 150L, this laboratory is conducted in silico to annotate bacteriophage genomes isolated during the fall semester. Complete annotated genomes will be submitted to GenBank. Open to first year students majoring in Biology, Chemical Biology, or Environmental Science. Admission by application. Two 75-minute lab periods.
Prerequisites: BIO 101L or BIO 150L
Attributes: Undergraduate

BIO 160 Heredity & Evolution (3 credits)
A study of human genetics at three levels: human heredity and the inheritance of disease, genes and DNA, and human evolution. Includes discussion of how a cell uses its genetic information and how scientists study genes using genetic engineering techniques. Successful completion of this course satisfies one of the Natural Science requirements in the GER/GEP. Open to all students except those who have credit for BIO 102. Three lecture periods.
Attributes: GEP Natural Science, Undergraduate

BIO 161 Human Organism (3 credits)
A study of the basic principles of human anatomy, physiology, and genetics. The organization and function of the human body will be described with an appreciation of underlying genetic and evolutionary concepts. Successful completion of this course satisfies one of the Natural Science requirements in the GER/GEP. Open to all students except those who have credit for BIO 201 or 260. Three lecture periods.
Attributes: GEP Natural Science, Undergraduate

BIO 162 Plants and Civilization (3 credits)
This course will examine plants in the context of their importance to people. Plants used for food, fiber, medicine, and recreation will be included. Successful completion of this course satisfies one of the Natural Science requirements in the GER/GEP. Open to all students except biology majors. Biology majors need permission of the Biology Chair to take this course.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology or Physics.
Attributes: Undergraduate

BIO 163 Unseen Life on Earth (4 credits)

BIO 163L Unseen Life on Earth Lab (0 credits)

BIO 165 Exploring the Living World (4 credits)
Students in this course will learn about the scientific world view and experience the methods of science in the context of the life sciences. This course is designed for students not planning to major in science. The course includes a survey of plant and animal life, an overview of bioenergetics, and selected topics in genetics and evolutionary biology. Successful completion of this course fully satisfies the GEP Natural Science requirement. Three lecture periods and one three-hour laboratory.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

BIO 165L Exp. Living World Lab (0 credits)

BIO 170 Special Topics (3 credits)

BIO 201 Bio III: Organismic Biology (4 credits)
A survey of all living things followed by more detailed study of plants and animals. Topics include development, nutrition, locomotion, transport, and homeostatic controls. Three lecture periods, one three-hour laboratory period.
Prerequisites: (BIO 1021 or BIO 102 or BIO 1025)
Attributes: Undergraduate

BIO 201L Bio III: Organismic Biol Lab (0 credits)

BIO 260 Anatomy/Physio I Nurs/Al Hlth (4 credits)
This course is designed for students needing preparation in human anatomy and physiology as required for nursing and some allied health programs. It does not fulfill a requirement for a Biology major or minor, nor does it fulfill general education requirements. Students may count either BIO 260 plus BIO 261 or BIO 417 toward graduation, but not both. Three 50-minute lecture periods and one three-hour lab period.
Prerequisites: BIO 101 or BIO 1011 or BIO 1015 or BIO 165
Attributes: Undergraduate
BIO 260L Anatomy & Physiology Lab (0 credits)

BIO 261 Anatomy/Physio Nurs/Al Hlth II (4 credits)
Continuation of BIO 260. This course is designed for students needing preparation in human anatomy and physiology as required for nursing and some allied health programs. For biology majors and minors, completion of BIO 261 may count for one, 400-level Biology elective. It does not satisfy the requirement for a course from groups A, B, or C, nor does it fulfill general education requirements. Students may count either BIO 260 plus BIO 261 or BIO 417 toward graduation, but not both. Three 50-minute lecture periods and one three-hour lab period.
Prerequisites: BIO 260 (may be taken concurrently)
Attributes: Undergraduate

BIO 261L Anatomy & Physiology Lab II (0 credits)

BIO 270 Microbio Nurse/Allied Health (4 credits)
This course is designed for students needing preparation in microbiology as required for nursing and some allied health programs. It does not fulfill a requirement for the Biology major or minor, nor does it fulfill general education requirements. Not open to students who have taken BIO 416 or BIO 422. Three 50-minute lecture periods and one three-hour lab period.
Prerequisites: BIO 101 or BIO 165
Attributes: Undergraduate

BIO 270L Microbio Nurse/Allied Hlth Lab (0 credits)

BIO 320 Science Communication&Outreach (1 credit)
Optional Service Learning course can be taken in conjunction with any Biology course. Guided experience in preparing and presenting hands-on science lessons to K-12 children. Time commitment is 3 hrs per week.
Attributes: Undergraduate

BIO 360 God and Evolution (3 credits)
This course considers a major topic in academic discourse and society at large, the relationship between religion/theology and biological evolution. This course explores the thesis that the two can be compatible — including from an informed scientific point of view. Students in this course learn evolutionary biology, theological account of creation, and how they can be compatible. This course fulfills the "Faith and Reason" requirement of the GEP. It does not fulfill requirements for a Biology major or minor.
Prerequisites: (THE 154 or THE 221) and PHL 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

BIO 390 Biology Seminar (0 credits)
Attendance at three seminars is required each semester during sophomore, junior, and senior years. Approved seminars are posted in the Department. Graded on a P/NP basis.
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.
Attributes: Undergraduate

BIO 401 Animal Behavior (4 credits)
The study of animals and their behaviors, with a strong emphasis on evolutionary relationships and ecology. Live animals will be studied in the classroom, laboratory, and field. Two 50-minute lecture periods, one four-hour laboratory period.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023) or CHM 126
Restrictions: Enrollment is limited to students with a major in Biology or Environmental Science.
Attributes: Undergraduate

BIO 401L Animal Behavior Lab (0 credits)

BIO 402 Advanced Cell Biology (4 credits)
An in-depth analysis of eukaryotic cell structure and function, including membrane structure and transport, cellular organelles, the cytoskeleton, and cell communication. Emphasis will be on experimental approaches to understanding concepts in cell biology. Two 50-minute lecture periods, one four-hour laboratory period.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 126 or CHM 1023)
Restrictions: Enrollment is limited to students with a major in Biology, Chemical Biology or Environmental Science.
Attributes: Undergraduate

BIO 402L Advanced Cell Biology Lab (0 credits)

BIO 403 Biometrics and Modeling (4 credits)
Computer simulation of life science phenomena from the subcellular to population levels. Appropriate statistics are included along with exposure to simulation software. Three 50-minute lecture periods, one three-hour laboratory period.
Prerequisites: BIO 201 and CHM 125
Restrictions: Enrollment is limited to students with a major in Biology.
Attributes: Undergraduate

BIO 404 Biochemistry (3 credits)
An introduction to the chemistry of living systems. The study of important molecules, metabolic pathways, and control systems will be emphasized.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 2321 (may be taken concurrently) or CHM 215 (may be taken concurrently)) and (CHM 125 or CHM 126 or CHM 215 or CHM 1025 or CHM 1023)
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology.
Attributes: Undergraduate

BIO 405 Biomechanics (4 credits)
The role of physics in biological systems and the organismal and super-organismal level. Lectures will cover a range of biomechanics disciplines, presenting underlying physical principles and their biological ramifications. Laboratories will provide experience with the experimental techniques available to measure forces relevant to biological systems. Two 75-minute lecture periods, one three-hour laboratory period.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 125 or CHM 1025) and (PHY 1031 or PHY 101 or PHY 105 or PHY 1051)
Attributes: Undergraduate

BIO 405L BioMechanics Lab (0 credits)

BIO 406 Comparative Anatomy (4 credits)
An integrated comparative study of vertebrate structure and development. A synthesis of the embryological development, the gross anatomy, and the histology of selected forms. Two 75-minute lecture periods, one three-hour laboratory period.
Prerequisites: BIO 201 and CHM 125
Restrictions: Enrollment is limited to students with a major in Biology.
Attributes: Undergraduate
BIO 406L Comparative Anatomy Lab (0 credits)

BIO 407 Developmental Biology (4 credits)
A study of the molecular and cellular aspects of development. Emphasis will be on induction, regeneration, and genetic control of differentiation. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 126 or CHM 1023) 
Attributes: Undergraduate

BIO 407L Developmental Biology Lab (0 credits)

BIO 408 Histology (4 credits)
A study of the molecular and cellular aspects of development. Emphasis will be on induction, regeneration, and genetic control of differentiation. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 126 or CHM 1023) 
Attributes: Undergraduate

BIO 408L Histology Lab (0 credits)

BIO 409 Ecology (4 credits)
A study of the complex interrelationship between organisms and their environment. The course will include discussions on fundamental themes in ecology such as food webs and population growth, as well as topics of current interest such as oil spills and the destruction of the rain forest. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125 
Attributes: Undergraduate

BIO 409L Ecology Lab (0 credits)

BIO 410 Light and Electron Microscopy (4 credits)
A course in techniques of light and electron microscopy, including aspects of technique, theory, and operation through lecture, demonstration, and student exercises. Time for individual use of the confocal and electron microscopes will be provided. A special fee will be assessed. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125 
Attributes: Undergraduate

BIO 410L Light & Electm Microscopy Lab (0 credits)

BIO 411 Molecular Genetics (4 credits)
A course in techniques of light and electron microscopy, including aspects of technique, theory, and operation through lecture, demonstration, and student exercises. Time for individual use of the confocal and electron microscopes will be provided. A special fee will be assessed. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023 or CHM 126) and ENG 101 
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology. 
Attributes: Undergraduate

BIO 411L Molecular Genetics Lab (0 credits)

BIO 412 Neurobiology (4 credits)
Introduction to the structure and function of the vertebrate nervous system. Major topics will include the molecular and cellular basis of neuronal activities, sensory and motor systems, behavior, and higher mental processes. The neurobiology of disease and neuroethics will also be discussed. Laboratory work will include hands-on experience of several neurobiological techniques to measure molecular and biochemical changes in a mouse brain. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125 
Attributes: Undergraduate

BIO 412L Neurobiology Lab (0 credits)

BIO 413 Plant Physiological Ecology (4 credits)
This course will focus on the physiological mechanisms plants use to respond to their environment. Major topic areas include the basic environmental physiology of carbon, water, and mineral nutrient exchange, and the adaptive mechanisms plants use to survive the variety of global environments. Labs will cover common physiological research methods ranging from cellular to whole organism level measurements and will involve both laboratory and field work. Two 75-minute lecture periods, two 90-min laboratory periods. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023 or CHM 126) 
Restrictions: Enrollment is limited to students with a major in Biology or Environmental Science. 
Attributes: Undergraduate

BIO 413L Plant Physiological Eco Lab (0 credits)

BIO 414 Plant Systematics (4 credits)
Students will learn to recognize vascular plant families and understand how taxonomists study evolutionary relationships among plant groups. Economic, medical, and ecological importance of various seed plants will be emphasized. Two 75-minute lecture periods, two 90-minute laboratory periods. 
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1025 or CHM 125 or CHM 1023 or CHM 126) 
Attributes: Undergraduate

BIO 414L Plant Systematics Lab (0 credits)

BIO 415 Immunology (4 credits)
An introductory course providing students with an overview of how the immune system works, including molecules, cells and organs of the immune system and their functions and interactions. Discussion of the experimental techniques used to understand the cell-cell interactions that occur in immunity as well as the differentiation and activation of the immune response will be included. Two 50-minute lecture periods, one four-hour laboratory period. 
Prerequisites: BIO 201 and CHM 125 
Restrictions: Enrollment is limited to students with a major in Biology or Chemical Biology. 
Attributes: Undergraduate

BIO 415L Immunology Lab (0 credits)
**BIO 415L Immunology Lab (0 credits)**

**BIO 416 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. The principles of immunity, serology, and virology are also considered. Three 50-minute lecture periods, one three-hour laboratory period.

*Prerequisites:* BIO 201 and CHM 125

*Restrictions:* Enrollment is limited to students with a major in Biology, Chemical Biology or Environmental Science.

*Attributes:* Undergraduate

**BIO 416L Microbiology Lab (0 credits)**

**BIO 417 Systemic Physiology (4 credits)**
A study of the fundamental mechanisms of vertebrate physiology. The basis for the function of the various organ systems and the biological controls that result in the integration of these systems will be discussed. Two 50-minute lecture periods, one four-hour laboratory period.

*Prerequisites:* (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 1025 or CHM 126)

*Attributes:* Undergraduate

**BIO 417L Systemic Physiology Lab (0 credits)**

**BIO 418 Field Research Techniques (4 credits)**

**BIO 418L Field Research Techniques Lab (0 credits)**

**BIO 419 Invertebrate Zoology (4 credits)**
A study of the morphology, physiology, behavior, and phylogenetic relationships of the major groups of invertebrates. Participants will compare and contrast the physical and biological challenges facing the invertebrates that live on land, in water, and inside other organisms. The laboratory will include observations and experiments on live and preserved animals. Two 50-minute lecture periods, and two 2-hour lab periods.

*Prerequisites:* BIO 201 and CHM 125

*Attributes:* Undergraduate

**BIO 419L Invertebrate Zoology Lab (0 credits)**

**BIO 420 Bioinformatics (4 credits)**
Introduction to the use of computers in biology. Students learn about important scientific questions and the contemporary tools used to answer them. Topics include genome sequence assembly and annotation, database mining, genome organization, phylogenetics and genetics of human disease. Two 50-minute lecture periods, one four-hour lab period.

*Prerequisites:* (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 1025 or CHM 125 or CHM 126)

*Restrictions:* Enrollment is limited to students with a major in Biology.

*Attributes:* Undergraduate

**BIO 420L Bioinformatics Lab (0 credits)**

**BIO 421 Molecular & Cellular Biophysic (4 credits)**
The course is designed to show students how the integration of physics, chemistry and molecular biology are used to explain and predict molecular and cellular processes such as protein-protein interactions, protein folding, diffusion, and signaling. The course will also provide students with a basic understanding and hands-on experience of several biophysical and biochemical laboratory techniques. Two 50-minute lecture periods, one four-hour lab period.

*Prerequisites:* (BIO 201 or BIO 1031) and (CHM 125 or CHM 1021 or CHM 1023 or CHM 1025 or CHM 126) and (PHY 101 or PHY 105)

*Restrictions:* Enrollment is limited to students with a major in Biology or Chemical Biology.

*Attributes:* Undergraduate

**BIO 421L Mol & Cell Biophysic Lab (0 credits)**

**BIO 422 Applied & Environ Microbiology (4 credits)**
The course will introduce us to the complex relationships between microbes and their environment, including other organisms. In the frame of these relationships, we will explore how microbial activities are key to geochemical cycles and to human-engineered processes that are essential part of our lives. Two 50-minute lecture periods, one four-hour lab period.

*Prerequisites:* (BIO 1031 or BIO 201) and (CHM 1021 or CHM 1023 or CHM 1025 or CHM 125 or CHM 126)

*Restrictions:* Enrollment is limited to students with a major in Biology, Chemical Biology or Environmental Science.

*Attributes:* Undergraduate

**BIO 422L Applied&Environ Microbio Lab (0 credits)**

**BIO 423 Evolution (4 credits)**
This course covers the major concepts of evolutionary biology, including natural selection, adaptation, genetic drift, and phylogenetic trees. The course trains students to know how to generate and test evolutionary hypotheses using data and inference. The lab portion of the course encourages hands-on learning through computer simulation and problem-solving. Two 50-minute lecture periods, one four-hour lab period.

*Prerequisites:* BIO 201 and CHM 125

*Attributes:* Undergraduate

**BIO 423L Evolution Lab (0 credits)**

**BIO 424 Biotechnology (4 credits)**
A course in which students will learn how basic cell and molecular biology are used to develop products for biomedical, agricultural and industrial applications. The course will also cover fundamental and emerging techniques in the biotechnology field. The lab section will focus on the steps involved in the production and purification of recombinant proteins expressed in bacterial cells. Two 50-minute lecture periods, one four-hour laboratory period.

*Prerequisites:* (BIO 201 or BIO 1031) and (CHM 125 or CHM 1021 or CHM 1023 or CHM 1025 or CHM 1021)

*Restrictions:* Enrollment is limited to students with a major in Biology or Chemical Biology.
BIO 424L Biotechnology Lab (0 credits)
BIO 425 Bacterial Pathogenesis (4 credits)
A study of the physiological, genetic, and biochemical basis underlying some of the commonly encountered bacterial diseases. The course also addresses the roles of antimicrobial compounds and the host immune system in countering disease. Finally, in the lab module for the course, students perform discovery-oriented research as they identify novel genes in enteropathogenic Escherichia coli (EPEC) that affect bacterial virulence in a C. elegans (roundworm) model of disease. Two 75-minute lecture periods, one three-hour laboratory period.
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 425L Bacterial Pathogenesis Lab (0 credits)
BIO 428 Histopathology (4 credits)
A study of the microscopic structure and function of normal and diseased cells, tissues and organs, focusing on vertebrates, with a special emphasis on humans. Using prepared slides and computer images, students will learn to identify and differentiate healthy and pathological samples and relate this to abnormal or disrupted organ function. Two 50-minute lecture periods, two, two-hour lab periods.
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 428L Histopathology Lab (0 credits)
A study of the microscopic structure and function of normal and diseased cells, tissues and organs, focusing on vertebrates, with a special emphasis on humans. Using prepared slides and computer images, students will learn to identify and differentiate healthy and pathological samples and relate this to abnormal or disrupted organ function. Two 50-minute lecture periods, two, two-hour lab periods. Prerequisites: BIO 201 and CHM 125.
Prerequisites: BIO 201 and CHM 125
Attributes: Undergraduate

BIO 470 Special Topics (3 credits)
Advanced study on a topic or problem to be arranged with any of the Departmental faculty members. Open to juniors and seniors, with permission of the chair.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 125 or CHM 1021)
Attributes: Undergraduate

BIO 491 Biology Internship (3 credits)
Internships enable the student to gain first-hand experience working in some field of biology. Interns should work a minimum of 10 hours weekly for 12 weeks to earn credit for a single course. Permission to take an internship for course credit must be obtained prior to beginning the internship. Open to juniors and seniors, with permission of the chair of Biology.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 125 or CHM 126 or CHM 1023)
Attributes: Undergraduate

BIO 492 Biology Internship II (3 credits)
Internships enable the student to gain first-hand experience working in some field of biology. Interns should work a minimum of 10 hours weekly for 12 weeks to earn credit for a single course. Permission to take an internship for course credit must be obtained prior to beginning the internship. Open to juniors and seniors, with permission of the chair of Biology.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 125 or CHM 126 or CHM 1021)
Attributes: Undergraduate

BIO 493 Undergraduate Research in Bio (3,6 credits)
Laboratory or field work on a specific biological problem in cooperation with a faculty member of the department. Normally requires three hours of work per week for each unit of credit. This course may be taken for credit multiple semesters but only one semester counts as a biology elective. In subsequent semesters this course will count as a general elective. Students need to complete the application form for independent study and have the approval of the department chair and Associate Dean.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 125 or CHM 126 or CHM 1023)
Attributes: Undergraduate

BIO 494 Undergraduate Research in Bio (3,6 credits)
Laboratory or field work on a specific biological problem in cooperation with a faculty member of the department. Normally requires three hours of work per week for each unit of credit. This course may be taken for credit multiple semesters but only one semester counts as a biology elective. In subsequent semesters this course will count as a general elective. Students need to complete the application form for independent study and have the approval of the department chair and Associate Dean.
Prerequisites: (BIO 1031 or BIO 201) and (CHM 1021 or CHM 125 or CHM 126 or CHM 1023)
Attributes: Undergraduate

BIO 550 Research Techniques (3 credits)
An introduction to techniques commonly used in life science research laboratories. Weekly meetings by different faculty members on their area of specialty. One lecture period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 550L Research Techniques Lab (1 credit)
This course is designed to expose students to the research activity within the department. Students will be rotated through 2-3 faculty research laboratories, working in each lab for a four-week period. Students will select the labs to work in based on their interest. This experience is designed to allow students the opportunity to learn the practical side of laboratory techniques and to help students select a research area for study. Times to be arranged.
Restrictions: Enrollment is limited to Graduate level students.

BIO 552 Graduate Seminar (1 credit)
Presentations and discussions of primary literature articles. Topic varies by semester. One period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 601 Animal Behavior (4 credits)
Study of animals and their behaviors with strong emphasis on evolutionary relationships and ecology. Two lecture periods, one four hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 601L Animal Behavior Lab (0 credits)

BIO 602 Advanced Cell Biology (4 credits)
In depth analysis of eukaryotic cell structure and function. Emphasis is on experimental approaches to understanding concepts in cell biology. Two lecture periods, one four-hour laboratory period.
Restrictions: Enrollment is limited to Graduate level students.

BIO 602L Advanced Cell Biology Lab (0 credits)

BIO 603 Biometrics and Modeling (4 credits)
Computer simulation of life science phenomena from the subcellular to population levels. Appropriate statistics are included along with exposure to simulation software. Two lecture periods, one four-hour laboratory.
Restrictions: Enrollment is limited to Graduate level students.
Restrictions: Enrollment is limited to Graduate level students.

**BIO 604 Biochemistry (3 credits)**
An introduction to the study of the chemistry of living systems. The study of important macromolecules, metabolic pathways, and control systems will be emphasized. Two lecture periods.

**BIO 605 Biomechanics (4 credits)**
Students are introduced to the ways in which the behavior, morphology, and material composition of plants and animals are affected by and take advantage of physical forces. This course will include lectures given by the members of the Biology and Physics Department, as well as an integrated laboratory section where students will observe and measure the effect of physical forces on organisms in both aquatic and terrestrial systems. Two 75-minute lecture periods, one three-hour laboratory period.

**BIO 608 Histology (4 credits)**
A study in depth of the microscopic structure and function of normal cells, tissues, and organs as found in the vertebrates. Students will make extensive use of computer imaging, CD-ROM presentations and biological specimens for study in the laboratory. Two three-hour sessions per week.

**BIO 609 Ecology (4 credits)**
Study of complex interrelationship between organisms and their environment. Two lecture periods, one four-hour laboratory period.

**BIO 610 Light & Electron Microscopy (4 credits)**
The techniques of light and electron microscopy, including aspects of technique, theory, and operation. Two lecture periods, one four-hour laboratory period.

**BIO 611 Molecular Genetics (4 credits)**
Study of the molecular biology of the genetic material, its structure, expression, regulation, and its dynamic nature. Two lecture periods, one four-hour laboratory period.

**BIO 612 Neurobiology (4 credits)**
A study of neural activity using examples from invertebrate and vertebrate model systems. The emphasis will be at the cellular and tissue levels with appropriate neurochemistry and pharmacology included. Laboratory work will focus on computer simulation of neural processes including simple nerve nets. Two lecture periods, one four-hour laboratory.

**BIO 613 Plant Physiological Ecology (4 credits)**
This course will focus on the physiological mechanisms plants use to respond to their environment. Major topic areas include the basic environmental physiology of carbon, water, and mineral nutrient exchange, and the adaptive mechanisms plants use to survive the variety of global environments. Labs will cover common physiological research methods ranging from cellular to whole organism level measurements and will involve both laboratory and field work. Two 75-minute lecture periods, two 90-minute lab periods.

**BIO 615 Immunology (4 credits)**
An introductory course providing students with an overview of how the immune system works, including molecules, cells and organs of the immune system and their functions and interactions. Discussion of the experimental techniques used to understand the cell-cell interactions that occur in immunity as well as the differentiation and activation of the immune response will be included. Two 50-minute lecture periods, one four-hour laboratory period.

**BIO 616 Systemic Physiology (4 credits)**
A study of the fundamental mechanisms of vertebrate physiology. The basis for the function of the various organ systems and the biological controls that result in the integration of these systems will be discussed. Two lecture periods, one four-hour laboratory period.

**BIO 617 Systemic Physiology (4 credits)**
A study of the fundamental mechanisms of vertebrate physiology. The basis for the function of the various organ systems and the biological controls that result in the integration of these systems will be discussed. Two lecture periods, one four-hour laboratory period.

**BIO 618 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.

**BIO 619 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.

**BIO 620 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.

**BIO 621 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.

**BIO 622 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.

**BIO 623 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.

**BIO 624 Microbiology (4 credits)**
The structural, cultural, and physiological characteristics of microorganisms and their role in the economy of nature. Three 50-minute lecture periods, one three-hour laboratory period.
BIO 617L Systemic Physiology Lab (0 credits)

BIO 618 Field Research Techniques (4 credits)

BIO 618L Field Research Techniques Lab (0 credits)

BIO 619 Invertebrate Zoology (4 credits)
A study of the morphology, physiology, behavior, and phylogenetic relationships of the major groups of invertebrates. Participants will compare and contrast the physical and biological challenges facing the invertebrates that live on land, in water, and inside other organisms. The laboratory will include observations and experiments on live and preserved animals. Two 50-minute lecture periods; two two-hour lab periods.

Restrictions: Enrollment is limited to Graduate level students.

BIO 619L Invertebrate Zoology Lab (0 credits)

BIO 620 Bioinformatics Lab (0 credits)

BIO 620L Bioinformatics Lab (0 credits)

BIO 621 Molecular & Cellul Biophysics (4 credits)
The course is designed to show students how the integration of physics, chemistry and molecular biology are used to explain and predict molecular and cellular processes such as protein-protein interactions, protein folding, diffusion, and signaling. The course will also provide students with a basic understanding and hands-on experience of several biophysical and biochemical laboratory techniques. Two 50-minute lecture periods, one four-hour lab period.

Restrictions: Enrollment is limited to Graduate level students.

BIO 621L Mol & Cel Biophysics Lab (0 credits)

BIO 622 Applied & Environ Microbiology (4 credits)
The course will introduce us to the complex relationships between microbes and their environment, including other organisms. In the frame of these relationships, we will explore how microbial activities are key to geochemical cycles and to human-engineered processes that are essential part of our lives. Two 50-minute lecture periods, one four-hour lab period.

Restrictions: Enrollment is limited to Graduate level students.

BIO 622L Applied&Environ Microbiyo Lab (0 credits)

BIO 623 Evolution (4 credits)
This course covers the major concepts of evolutionary biology, including natural selection, adaptation, genetic drift, and phylogenetic trees. The course trains students to know how to generate and test evolutionary hypotheses using data and inference. The lab portion of the course encourages hands-on learning through computer simulation and problem-solving. Two 50-minute lecture periods, one four-hour lab period.

Restrictions: Enrollment is limited to Graduate level students.

BIO 623L Evolution Lab (0 credits)

BIO 624 Biotechnology (4 credits)
A course in which students will learn how basic cell and molecular biology are used to develop products for biomedical, agricultural and industrial applications. The course will also cover fundamental and emerging techniques in the biotechnology field. The lab section will focus on the steps involved in the production and purification of recombinant proteins expressed in bacterial cells. Two 50-minute lecture periods, one four-hour lab period

Restrictions: Enrollment is limited to Graduate level students.

BIO 624L Biotechnology (0 credits)

BIO 625 Bacterial Pathogenesis (4 credits)
A study of the physiological, genetic, and biochemical basis underlying some of the commonly encountered bacterial diseases. The course also addresses the roles of antimicrobial compounds and the host immune system in counteracting disease. Finally, in the lab module for the course, students perform discovery-oriented research as they identify novel genes in enteropathogenic Escherichia coli (EPEC) that affect bacterial virulence in a C. elegans (roundworm) model of disease. Two 75-minute lecture periods, one three-hour laboratory period.

Restrictions: Enrollment is limited to Graduate level students.

BIO 625L Bacterial Pathogenesis Lab (0 credits)

BIO 626 Science Communication&Outreach (1 credit)
Topics, course format, and instructors may vary each semester.

BIO 627 Science Communication&Outreach (1 credit)

BIO 628L Histopathology Lab (0 credits)

BIO 628B Histopathology Lab (0 credits)

BIO 629 Advanced Topics in Biology (3-4 credits)

BIO 630 Advanced Topics in Biology (3-4 credits)

BIO 631 Advanced Topics in Biology (3-4 credits)

BIO 632 Advanced Topics in Biology (3-4 credits)

BIO 633 Advanced Topics in Biology (3-4 credits)

BIO 634 Advanced Topics in Biology (3-4 credits)

BIO 635 Advanced Topics in Biology (3-4 credits)

BIO 636 Advanced Topics in Biology (3-4 credits)

BIO 637 Advanced Topics in Biology (3-4 credits)

BIO 638 Advanced Topics in Biology (3-4 credits)

BIO 639 Advanced Topics in Biology (3-4 credits)

BIO 640 Advanced Topics in Biology (3-4 credits)

BIO 641 Advanced Topics in Biology (3-4 credits)

BIO 642 Advanced Topics in Biology (3-4 credits)

BIO 643 Advanced Topics in Biology (3-4 credits)

BIO 644 Advanced Topics in Biology (3-4 credits)

BIO 645 Advanced Topics in Biology (3-4 credits)

BIO 646 Advanced Topics in Biology (3-4 credits)

BIO 647 Advanced Topics in Biology (3-4 credits)

BIO 648 Advanced Topics in Biology (3-4 credits)

BIO 649 Advanced Topics in Biology (3-4 credits)

BIO 650 Advanced Topics in Biology (3-4 credits)

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BIO 695 Advanced Topics in Biology (3-4 credits)

BIO 696 Advanced Topics in Biology (3-4 credits)

BIO 697 Advanced Topics in Biology (3-4 credits)

BIO 698 Advanced Topics in Biology (3-4 credits)

BIO 699 Advanced Topics in Biology (3-4 credits)
BUSINESS (BUS)

BUS 370 Special Topics (3 credits)

BUS 495 Business Policy (4 credits)

BUS 570 Strategic Management & Mktg (2 credits)

BUS 571 Global Business (4 credits)
International Management This course focuses on the interrelated issues of the environment of international business, international business strategy, and organizational structure behavior and coordination.

The impact of culture, competition and market forces is explored.

International trade will also be examined, with an emphasis on global trading blocs and transition economics. International Accounting A broad overview of international accounting with an emphasis on the standards and practices in selected countries (Japan, U.K., Germany) and regions (European Community). Issues of current interest such as attempts to harmonize differing financial disclosure practices around the world, international transfer pricing strategies, the accounting for foreign currency transactions, and the impact of international taxation will be discussed in an attempt to sensitize students to variations in the accounting practices encountered beyond the local (domestic) perspective. International Finance A study of the ways and means to reduce financial risks involved in international financial management. Consequently, the course deals with the interrelationship between the international monetary environment and financial planning for corporations with overseas operations. It analyzes the effects on international financial planning—such factors as exchange rate fluctuations, currency restrictions, and tax regulations. It examines financial aspects of multinational business including foreign investments and trade. International Marketing Analyzes the differences between marketing in the USA and international markets. The major objective is to have students gain an understanding of the people, history, culture, current economic situation, business practices, and entry strategies for the European Union, Eastern Europe, C.I.S., Middle East, Central and Latin America, and Asia.

Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

BUS 572 Global Residency (2 credits)
The international residency is an eight day (approximate) international trip under the guidance of EMBA faculty members. This trip provides first hand exposure to the impact of culture, competition, health care, and market forces on businesses and economies. Students tour businesses in a variety of industries, speak with executives and attend lectures. Project assignment for this course is given by EMBA faculty members assigned to the trip.

Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program.

BUS 582 Business Ethics (2 credits)
One of the most distinctive features of Saint Joseph’s Executive Master’s in Food Marketing Program is its emphasis on business ethics. This course will explore the general background of moral theory followed by discussion of business ethics in specific situations. Decision scenarios, both written and video, as well as cases, will be evaluated. In addition, students will have the opportunity to discuss the ethical dilemmas which confront food marketers.

Restrictions: Enrollment is limited to Graduate level students.

BUS 591 Business Ethics (2 credits)
CHEMISTRY (CHM)

CHM 100 Chemistry for the Consumer (3 credits)
This course is designed to help students understand the chemistry that affects them throughout their lives. Topics include: nuclear chemistry, home products, food and drugs, acid rain, energy, climate control, and sustainability. May be taken for science or elective credit without previous chemistry courses. Successful completion of this course will fulfill a lecture-only natural science course requirement for the GEP natural science area.

Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Food Marketing or Physics.

Attributes: GEP Natural Science, Undergraduate

CHM 112 Food Chemistry (4 credits)
The study of chemistry as it specifically relates to food. Underlying basic chemical principles will allow the study of particular molecules found in food (carbohydrates, proteins, lipids) and the changes these molecules undergo as they are cooked and absorbed. Topics will also include preservation, food safety, and food additives. This laboratory course will introduce students to the use of laboratory techniques to study food, including the measurement of food properties including pH, flavor, color, and texture. Students will learn how chemical and physical changes can alter food quality. The content material of CHM 112 overlaps with the content of IHS 253 Nutrition: Health and Disease. Students may take either CHM 112 or IHS 253 not both. Successful completion of CHM 112/112L fulfills the GEP science requirement for Food Marketing majors only. It will serve as a free-elective for all other majors. CHM 112L is a co-requisite for CHM 112.

Restrictions: Enrollment is limited to students with a major in Food Marketing Co-Op or Food Marketing.

Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj)

CHM 112L Food Chemistry: Lab (0 credits)
Students who register for this Chemistry lab must also register for the corresponding lecture. For example, if you register for CHM 112L you must, at the same time, register for CHM 112.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Food Marketing Co-Op or Food Marketing.

Attributes: GEP Natural Science

CHM 115 Chemistry in Daily Life (4 credits)
This course explains the basic theories and need-to-know facts of scientific events one encounters in daily life from a chemistry perspective. In addition to explaining the fundamental concepts of chemistry, the course will cover topics such as acids and bases, oxidation and reduction, household chemicals, nuclear energy, nuclear medicine, biochemistry, and drugs. This laboratory course will cover a wide range of experiments that require mastering a variety of laboratory skills, which utilize many different types of equipment. The proper use of beakers, flasks, pipets, burets, simple calorimeters, balances, and thermometers, to name a few, is critical to a student’s success in the course. Accurate observations and recording of data is stressed and evaluated. Students will submit data and results forms at the conclusion of each experiment. Both qualitative (observations and descriptions) and quantitative (calculations and graphs) methods will be stressed. Successful completion of CHM 115/115L fulfills the GEP science requirement.

Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

CHM 115L Chemistry in Daily Life (0 credits)

CHM 120 General Chemistry I (3 credits)
Topics included are chemical formulas, stoichiometry, balancing reactions, ideal gases, thermodynamics, atomic structure, chemical bonding and molecular structure, kinetics, equilibrium, the chemistry of acids and bases, entropy, free energy, and electrochemistry. CHM 120 is a prerequisite to CHM 125. Successful completion of CHM 120 and CHM 120L fulfills the GEP natural science requirement.

Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

CHM 120L General Chemistry Lab I (2 credits)
A lecture-laboratory course to accompany CHM 120-125 with emphasis upon concepts in chemistry, quantitative and qualitative analysis, and introduction to instrumental methods. One four-hour period. Successful completion of CHM 120L is a prerequisite to CHM 125L. CHM 120/121 is a co or prerequisite for CHM 120L. CHM 125/126 is a co or prerequisite for CHM 125L.

Attributes: GEP Natural Science, Undergraduate

CHM 121 General Chemistry Honors I (3 credits)
The material covered in this honors course is the same as CHM 120-125 but more extensive in depth. Additional topics may be added as time permits. The course assumes that the student has had chemistry in high school. The format of the course may differ from the standard lecture model. CHM 120 or 121 is a prerequisite to CHM 126. Successful completion of CHM 121 and CHM 120L fulfills the GEP natural science requirement.

Attributes: GEP Natural Science, Honors Course, Science Course w/Lab (Sci Maj), Undergraduate

CHM 125 General Chemistry II (3 credits)
Topics included are chemical formulas, stoichiometry, balancing reactions, ideal gases, thermodynamics, atomic structure, chemical bonding and molecular structure, kinetics, equilibrium, the chemistry of acids and bases, entropy, free energy, and electrochemistry. CHM 120 is a prerequisite to CHM 125. Successful completion of CHM 120 and CHM 120L fulfills the GEP natural science requirement.

Attributes: CHM 120 or CHM 121

CHM 125L General Chemistry Lab II (2 credits)
A lecture-laboratory course to accompany CHM 120-125 with emphasis upon concepts in chemistry, quantitative and qualitative analysis, and introduction to instrumental methods. One four-hour period. Successful completion of CHM 120L is a prerequisite to CHM 125L. CHM 120/121 is a co or prerequisite for CHM 120L. CHM 125/126 is a co or prerequisite for CHM 125L.

Attributes: CHM 120L or CHM 126 (may be taken concurrently)

CHM 126 General Chemistry Honors II (3 credits)
The material covered in this honors course is the same as CHM 120-125 but more extensive in depth. Additional topics may be added as time permits. The course assumes that the student has had chemistry in high school. The format of the course may differ from the standard lecture model. CHM 120 or 121 is a prerequisite to CHM 126. Successful completion of CHM 121 and CHM 120L fulfills the GEP natural science requirement.

Attributes: CHM 120 or CHM 121

Attributes: GEP Natural Science, Honors Course, Science Course w/Lab (Sci Maj), Undergraduate
CHM 150 Freshmen Seminar (3 credits)
This course is designed to introduce students to the fundamental factors governing air, water, and soil pollution, and to briefly discuss the impacts of pollution on public health, both in the US and in the developing world. We will examine various physical, chemical, and biological sources of pollution such as heavy metals, volatile organic compounds, pesticides, radionuclides, and nonionizing radiation, thermal and noise pollution, bacteria, viruses, and parasites. These different agents contribute to the pollution of soil, the atmosphere, and water bodies such as lakes, rivers, and oceans, and pose a significant public health problem across the globe. No prior background in the natural sciences will be required of the students. The course will fulfill the First-Year Seminar GEP requirement.
Attributes: First-Year Seminar, Undergraduate

CHM 210 Organic Chemistry I (3 credits)
Modern organic chemistry in which the treatment of aliphatic and aromatic compounds is integrated as much as possible. Reactions of the functional groups are explained in terms of electronic mechanisms. CHM 125 or CHM 126 is a prerequisite to CHM 210. CHM 210 is a prerequisite to CHM 215.
Prerequisites: CHM 125 or CHM 126 or CHM 1021
Attributes: Undergraduate

CHM 210L Organic Chemistry Lab I (1 credit)
This semester concentrates on experiments designed to introduce students to the various techniques used in the organic laboratory. CHM 210 is a corequisite for CHM 210L.
Attributes: Undergraduate

CHM 215 Organic Chemistry II (3 credits)
Modern organic chemistry in which the treatment of aliphatic and aromatic compounds is integrated as much as possible. Reactions of the functional groups are explained in terms of electronic mechanisms. CHM 125 or CHM 126 is a prerequisite to CHM 210. CHM 210 is a prerequisite to CHM 215.
Prerequisites: CHM 210
Attributes: Undergraduate

CHM 215L Organic Chemistry Lab II (1 credit)
A continuation of CHM 210L utilizing micro scale laboratory techniques in organic chemistry for the preparation, purification and analysis of organic compounds. CHM 210L is a prerequisite to CHM 215L. CHM 215 is a corequisite for CHM 215L.
Prerequisites: CHM 210L and CHM 210
Attributes: Undergraduate

CHM 293 Sophomore Research Studies I (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 293-294 requires four hours each week in the research laboratory. Students need to complete the application form for independent study and have the approval of the Chemistry Department Chair and Associate Dean in order to register.
Attributes: Undergraduate

CHM 294 Sophomore Research Studies II (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 293-294 requires four hours each week in the research laboratory. Students need to complete the application form for independent study and have the approval of the Chemistry Department Chair and Associate Dean in order to register.
Attributes: Undergraduate

CHM 310 Physical Chemistry I (3 credits)
Thermodynamics as applied to gases, liquids, and solutions; thermodynamics of ideal systems; thermochemistry; chemical kinetics; gaseous equilibrium; colligative properties of solutions; quantum mechanics. CHM 215 is a prerequisite to CHM 310. CHM 310 is a prerequisite to CHM 315.
Prerequisites: CHM 215 or CHM 2321
Attributes: Undergraduate

CHM 310L Physical Chemistry Lab I (2 credits)
Experiments are performed to reinforce the concepts learned in CHM 241L/2421. Laboratory reports are submitted for each experiment. CHM 310 is a corequisite to CHM 310L.
Attributes: Undergraduate

CHM 315 Physical Chemistry II (3 credits)
Thermodynamics as applied to gases, liquids, and solutions; thermodynamics of ideal systems; thermochemistry; chemical kinetics; gaseous equilibrium; colligative properties of solutions; quantum mechanics. CHM 215 is a prerequisite to CHM 310. CHM 310 is a prerequisite to CHM 315.
Prerequisites: CHM 310
Attributes: Undergraduate

CHM 315L Physical Chemistry Lab II (2 credits)
CHM 320 Physical Chem for Cheml Bio (3 credits)
This course is designed to introduce students to the fundamental factors governing air, water, and soil pollution, and to briefly discuss the impacts of pollution on public health, both in the US and in the developing world. We will examine various physical, chemical, and biological sources of pollution such as heavy metals, volatile organic compounds, pesticides, radionuclides, and nonionizing radiation, thermal and noise pollution, bacteria, viruses, and parasites. These different agents contribute to the pollution of soil, the atmosphere, and water bodies such as lakes, rivers, and oceans, and pose a significant public health problem across the globe. No prior background in the natural sciences will be required of the students. The course will fulfill the First-Year Seminar GEP requirement.
Attributes: First-Year Seminar, Undergraduate

CHM 330 Instrumental Analysis (3 credits)
This course covers the theory, methodology, and instrumentation for the study of atomic and molecular species and/or processes. CHM 215, CHM 310, and PHY 106 or permission of the Department of Chemistry chair are prerequisites to CHM 330.
Prerequisites: CHM 215
Attributes: Undergraduate

CHM 330L Instrumental Analysis Lab (2 credits)
CHM 330 is a corequisite to CHM 330L. Prerequisites: CHM 215L
Attributes: Undergraduate

CHM 340 Biochemistry (3 credits)
A basic introduction to the chemistry of living systems emphasizing their major metabolic activities. Structure and function of proteins, lipids, and carbohydrates. Basic principles of intermediary metabolism and photosynthesis. CHM 215 is a prerequisite for CHM 340.
Prerequisites: CHM 215
Attributes: Undergraduate

CHM 340L Biochemistry Lab (1 credit)
Laboratory applications of the topics covered in CHM 340. CHM 215L is a prerequisite to CHM 340L. CHM 340 is a corequisite to CHM 340L.
Prerequisites: CHM 215L and CHM 340 (may be taken concurrently)
Attributes: Undergraduate
CHM 350 Inorganic Chemistry (3 credits)
This course includes the study of atomic structure, bonding, molecular orbital theory, symmetry and group theory, the chemistry of the main group elements, and the structure and reactivity of transition metal complexes. CHM 215 is a prerequisite to CHM 350.
Prerequisites: CHM 215 or CHM 2321
Attributes: Undergraduate

CHM 350L Inorganic Chemistry Lab (2 credits)
This course focuses on synthetic inorganic chemistry and emphasizes the use of modern analytical techniques for the characterization of inorganic and organometallic compounds. This course satisfies the GEP Writing Intensive requirement. CHM 215L is a prerequisite to CHM 350L.
CHM 350 is a co-requisite for CHM 350L.
Prerequisites: CHM 215L
Attributes: Undergraduate, Writing Intensive Course - GEP

CHM 390 Chemistry Seminar (0 credits)
Lectures by outside and local speakers and discussions of special topics in chemistry. Enrollment is required each semester for junior and senior chemistry majors. Graded on a P/NP basis.
Attributes: Undergraduate

CHM 393 Junior Research I (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 393-394 requires four hours each week in the research laboratory. Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.
Attributes: Undergraduate

CHM 394 Junior Research II (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Each credit of CHM 393-394 requires four hours each week in the research laboratory. Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.
Prerequisites: CHM 393 or CHM 293 or CHM 2901
Attributes: Undergraduate

CHM 400 Biogeochemistry (3 credits)
This course examines the chemical processes that control the distribution, speciation, and transfer of essential elements and energy in natural systems. Topics include: the concept of the Earth as a biogeochemical system; the use of quantitative methods to model the chemical fluxes of elements on a global scale; dominant chemical reactions in natural environments, evolution of metabolic pathways; the biogeochemical cycling of water, carbon, nitrogen, phosphorus, sulfur, and select heavy metals under natural and anthropogenically-influenced conditions. CHM 340 is a prerequisite or a co-requisite to CHM 400. This prerequisite may be waived with permission of the Chemistry Department Chair.
Prerequisites: CHM 340 (may be taken concurrently)
Attributes: Undergraduate

CHM 410 Biophysical Chemistry (3 credits)
This course utilizes the concepts of physical chemistry to understand the properties of biological systems.
Prerequisites: CHM 310 or CHM 320
Attributes: Undergraduate

CHM 410L Biophysical Chemistry Lab (1 credit)

CHM 420 Environmental Chemistry (3 credits)
Investigation of both pristine and polluted environments using chemistry as a foundation. Topics include: atmospheric chemistry, water quality, soil composition, fate of toxic metals and organic pollutants, and using chemistry as a solution for pollution. CHM 215 is a prerequisite to CHM 420.
Prerequisites: CHM 2321 and CHM 210
Attributes: Undergraduate

CHM 420L Environmental Chemistry Lab (1 credit)

CHM 430 Mechanisms in Organic Chem (3 credits)
Application of the electron pushing formalism for manipulating Lewis structure representations of organic structures. Emphasis is placed on mechanistic rationalization of complex organic transformations. Classes of mechanisms include elimination, substitution, rearrangement, oxidation-reduction, enolate alkylation, and others. CHM 215 is a prerequisite to CHM 430.
Prerequisites: CHM 215
Attributes: Undergraduate

CHM 435 Tech Applications of Chemistry (3 credits)
Course will focus on current and future technologies that utilize fundamental and advanced theories of chemistry. Topics will include, but are not limited to, microwave ovens, liquid crystal displays (LCD), light emitting diode displays (LED), plasma screens, charge coupled devices (CCD), field effect transistors (FET), positron emission tomography (PET), magnetic resonance imagining (MRI), battery systems, data storage devices, and solar panels. CHM 215 is a pre-requisite to CHM 435.
Prerequisites: CHM 215

CHM 440 Organometallic Chemistry (3 credits)
This course will focus on the structure and reactivity of organometallic transition metal complexes. Topics include catalysis, reaction mechanisms, applications to organic chemistry, and characterization by spectroscopic methods. CHM 350 is a prerequisite to CHM 440.
Prerequisites: CHM 350
Attributes: Undergraduate

CHM 445 Thermodynamics & Stat Mechanic (3 credits)

CHM 450 Polymer Chemistry (3 credits)

CHM 460 Water Chemistry (3 credits)
This course examines the behavior of chemical species in natural and engineered water systems. Topics include: the chemical composition of surface and subsurface water; geochemical controls on water composition; equilibrium and kinetic processes in aquatic systems; fate and reactions of inorganic and organic constituents in water; acid-base chemistry, complexation chemistry, and redox chemistry in water; the applications of isotopic and other tracers in the study of aquatic systems; and water pollution. CHM 210 is a prerequisite to CHM 460.
Prerequisites: CHM 125 or CHM 126
Attributes: Undergraduate

CHM 470 Special Topics (3 credits)
Advanced study on a topic that is arranged with a chemistry faculty member. Permission of the Department of Chemistry chair is required.
Attributes: Undergraduate

CHM 480 Role of Metal Ions in Biology (3 credits)
Advanced study on a topic that is arranged with a chemistry faculty member. Permission of the Department of Chemistry chair is required.
Prerequisites: CHM 215
Attributes: Undergraduate
CHM 490 Spectroscopy (3 credits)
Advanced study on a topic that is arranged with a chemistry faculty member. Permission of the Department of Chemistry chair is required.

Prerequisites: CHM 330
Attributes: Undergraduate

CHM 491 Chemistry Internship I (3 credits)
CHM 492 Chemistry Internship II (3 credits)

CHM 493 Senior Research I (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Includes a seminar, a poster presentation, and written reports. Each credit of CHM 493 and CHM 494 requires four hours each week in the research laboratory. CHM 493 is a prerequisite for CHM 494. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.

Attributes: Undergraduate

CHM 494 Senior Research II (3,6 credits)
Integrated literature and laboratory investigation of an assigned problem under the supervision of a departmental faculty member. Includes a seminar, a poster presentation, and written reports. Each credit of CHM 493 and CHM 494 requires four hours each week in the research laboratory. CHM 493 is a prerequisite for CHM 494. Students need to complete the application form for independent study (available in the Dean’s Office) and have the approval of the Chemistry Department chair and Associate Dean in order to register.

Prerequisites: CHM 493
Attributes: Undergraduate
CHINESE (CHN)

CHN 101 Beginning Chinese I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students with no experience with the Chinese language. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of CHN101
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Asian Studies Course, Undergraduate

CHN 102 Beginning Chinese II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension, with some focus on understanding Chinese characters. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of CHN102
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Asian Studies Course, Undergraduate

CHN 201 Intermediate Chinese I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: CHN 102 or Chinese 201 Placement with a score of 1 or Language Placement with a score of CHN201
Attributes: Asian Studies Course, Undergraduate

CHN 202 Intermediate Chinese II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: CHN 201 or Chinese 202 Placement with a score of 1 or Language Placement with a score of CHN202
Attributes: Asian Studies Course, Undergraduate

CHN 301 Chinese Conv and Comp I (3 credits)
This course is designed to give the student the necessary practice in spoken and written Chinese with special emphasis on the more difficult modern Chinese grammatical constructions and idioms. Prerequisite: CHN 202 or equivalent. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of CHN301
Attributes: Asian Studies Course, Undergraduate

CHN 302 Chinese Conv and Comp II (3 credits)
This course is designed to give the student the necessary practice in spoken and written Chinese with special emphasis on the more difficult modern Chinese grammatical constructions and idioms. Prerequisite: CHN 301 or equivalent.
Prerequisites: CHN 301 or Chinese 302 Placement with a score of 1 or Language Placement with a score of CHN302
Attributes: Asian Studies Course, Undergraduate

CHN 306 Advanced Chinese I (3 credits)
The course is the first course of the Advanced Chinese series (Chinese 306, 307). It is designed for students who have reached the intermediate level of the Chinese language proficiency and are interested in continuing advanced training in vocabulary, sentence structure, and rhetoric. This course aims to expand students' vocabulary by introducing about 350 new characters, to enhance their understanding of Chinese sentence patterns by focusing on more advanced linguistic structures, and to further develop their conversation and composition skills. This course aims to develop students' Chinese language proficiency to the advanced low level and to enhance the students' understanding of Chinese culture and current issues. The differences between the "written style" (## # shùcì) and the "spoken style"(##:túyǔ#) Chinese will be emphasized and practiced. This course may count at 3 credit hours of upper-division course work in the Asian Studies major and/or Chinese Minor.
Prerequisites: CHN 302

CHN 307 Advanced Chinese II (3 credits)
This is the second course of the Advanced Chinese series (Chinese 306, 307). It is designed for students who have completed CHN 306 and are interested in continuing advanced training in vocabulary, sentence structure, and rhetoric. This course continues expanding students' vocabulary by introducing about 350 new characters, to enhance their understanding of Chinese sentence patterns by focusing on more advanced linguistic structures, and to further develop their conversation and composition skills. Students will also be expected to conduct a significant, relevant project including both written and oral components. This course may count as 3 credit hours of upper-division course work in the Asian Studies major and/or Chinese Minor.
Prerequisites: CHN 306

CHN 310 Selections in Chinese Lit (3 credits)
Attributes: Asian Studies Course, GEP Art/Literature, Undergraduate

CHN 330 Chinese for Business (3 credits)
This course is for students interested in conducting business in a Chinese business environment. It is designed for students in their fourth year with the Chinese program. The class will be conducted in Chinese. Simplified characters will be used. The language skills covered focus on the usage of business terms, dialogues in business settings, and business related readings. The class activities will provide students with opportunities to simulate business situations and formal socializing situations, such as visiting customers, asking about prices, negotiating a contract, and arranging delivery of goods and payments. Students will be trained to write resumes, to write various forms of business correspondence, to read business related articles, and to listen to broadcasts of economic and foreign trade news. Sociocultural awareness in business will be discussed in-depth.
Prerequisites: CHN 1311 or CHN 301 or CHN 302 or CHN 1321
Attributes: Undergraduate
CHN 470 Selected Topics - Chinese (3 credits)
CLASICS (CLA)

CLA 201 Love, Sex, Conquest: Classic Myth (3 credits)
Study and interpretation of the sources, nature, and function of Greek and Roman mythology, including its major story patterns, divine and human figures, and recurrent themes; exploration of the significance and uses of mythology and mythic symbolism; understanding and appreciation of the continuing significance of classical mythology in literature, the arts, and modern popular culture. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 202 Classical Epic: Gods & Heroes (3 credits)
We will engage in reading, discussion and analysis of the Greek epic poems of Homer (Iliad and Odyssey), Hesiod (Works and Days), and the Roman epic of Virgil (Aeneid). We will consider important questions and topics arising from a reading of Homer, such as the identity of the poet and his society, his depiction of Late Bronze Age "heroic" values, the "oral" and "formular" nature of Homeric language, Homeric theology, Mycenaean civilization and the historical/archaeological evidence for the Trojan War. We will then consider Hesiod's response to Homer's warrior society and values in his Works and Days, and Virgil's reshaping of Homeric epic conventions and promotion of Augustan policy and ideals in his Aeneid. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 203 Classical Tragedy (3 credits)
This course features reading in English of several original tragedies of Aeschylus, Sophocles, and Euripides. Students discuss the nature and character of the gods in these plays as well as the interactions and relationships between human and divine characters. The class also evaluates the often expressed idea that the texts of Greek tragedy and comedy reflect an Athenian society in crisis. The class will explore how various forms of upheaval in politics, education, religion, and domestic life are reflected in Athenian drama, and also how the Athenian playwrights may be commenting on these issues. Another significant topic of examination is the tendency of Athenian tragedy to feature characters that rebel against or subvert traditional Athenian gender roles. We discuss in each case what these reversals reveal about the characters and what consequences arise from these reversals. In order to assist students in visualizing the dramas, the instructor will show images from ancient Greek theaters at Athens and Epidaurus and scenes from the famous National Theatre of Great Britain production of Aeschylus' Oresteia (directed by Peter Hall, with actors performing in masks) and the equally famous Kennedy Center production of Euripides' Medea. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 204 Comedy: Ancient and Modern (3 credits)
CLA 204 Ancient Comedy (3 credits) This course features reading in English of several original comedies of Aristophanes and Plautus. The class explores the "Old Comedy" of Aristophanes with its topical satire and also evaluates the often expressed idea that the texts of Greek tragedy and comedy reflect an Athenian society in crisis. The class will consider how various forms of upheaval in politics, education, religion, and domestic life are reflected in Athenian drama, and also how Aristophanes may be commenting on these issues. We will then study the development of comedy at Rome and its debt to Greek "New Comedy," its staging and performance, and its conventional themes and stock characters. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 205 Ancient Rome: Art & Arch (3 credits)
CLA 206 Sports in the Ancient World (3 credits)
The purpose of the course is to explore the genesis and significance of athletics in ancient Greece and Rome with an emphasis on its socio-historical context. It will also examine how the parameters of participation and competition in ancient sports inform modern day athletic practices. The course will rely on primary literary sources, archaeology, and secondary scholarship in order to reconstruct the customs and beliefs pertaining to ancient athletics. Topics to be discussed during the semester include: the history of the ancient Olympics; other major athletic events organized in Greece (Pythian, Isthmian, and Nemean); the relationship between religion and sports in antiquity; ancient perceptions of gender and sports; pederasty and the context of the gymnasion; women in ancient athletics; Athenian vs. Spartan athletics; professional and amateur athletes; Greek athletics under the Romans; Roman spectacles; athletics and politics in the ancient world; and the role of ancient athletics in the history of the modern Olympic games. Fulfills the Art/Literature requirement of the GEP.

CLA 301 Mystery & Monument: Ancient Greece (3 credits)
This course examines the material culture remains of various cities prominent in the history of Greece. Knossos, the main city of the island of Crete, Troy, and Mycenae are among the sites studied for their importance in the Bronze Age (3000-1100 BCE). After a detailed study of Greek architecture and the evolution of key building types such as the temple, the stoa, and the theater, students explore the material remains of Olympia, Delphi, and Athens. The myths associated with these cities are also included. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, European Studies Course, GEP Art/Literature, Undergraduate

CLA 302 Mystery & Monument: Ancient Rome (3 credits)
An introduction to the art and archaeology of Roman Italy, which will explore through digital images the major surviving monuments of Rome and its environs, of the Etruscans, and of other famous sites in Italy. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 303 Pompeii & Herculaneum (3 credits)
This course examines the archaeological evidence of the ancient Roman towns of Pompeii and Herculaneum, and also literary and epigraphical evidence from the Roman world, to bring to light various aspects of daily life in the Roman empire in the first century AD, including politics, religion, art, housing, entertainment, and industry. It is recommended that the student has taken CLA 1121 Art and Archaeology of Italy. Fulfills the Art/Literature requirement of the GEP.

CLA 304 Pompeii & Herculaneum (3 credits)
CLA 304 Etruscan Art and Archaeology (3 credits)
At one time the masters of the Italian archipelago, the Etruscans have suffered at the pens of historians both ancient and modern; in redressing the record, archaeology has opened as many problems as it has solved. The Etruscans' non-Indo-European language, wealth and technology set them apart from their Italic and Greek neighbors; though Romans adopted Etruscan religious doctrine and material culture, they ultimately conquered and eliminated this unique culture. This course examines the ancient written sources and the latest archaeological discoveries, from painted tombs and bronze armor to DNA, to identify the character of Etruscan civilization from 1000 BC to the days of Augustus, as well as its modern heritage. "Hands-on" visits to the world-class Etruscan collection in the University of Pennsylvania Museum will supplement illustrated lectures. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, European Studies Course, GEP Art/Literature, Undergraduate

CLA 305 Cleopatra Thru Anc & Mod Eyes (3 credits)
The last pharaoh of Egypt was also the first of its Macedonian rulers to speak the Egyptian language; Cleopatra was a charismatic woman, who directed her efforts toward protecting and enriching her family and subjects. Her efforts to enhance her realm collided with her family and romantic life, leaving a legacy for scholars, poets and artists down to the present day. The course will examine the Hellenistic period and the beginning of the Roman domination of the Mediterranean world, as focused in the character and historical career of Cleopatra, the last of the Ptolemaic rulers of Egypt. We will read the ancient sources on Cleopatra, the Ptolemies, Caesar and Marc Antony, the Battle of Actium and its aftermath, the consolidation of power by Octavian/Augustus. We will also analyze the evidence of ancient art and architecture, inscriptions, and archaeological contexts, including the background of Egyptian culture, the phenomenon of Alexander and the creation of the Hellenistic kingdoms. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 306 Ancient Medicine (3 credits)
After a brief look at medicine in Egypt and the ancient Near East, this course will examine medicine in the Greek and Roman world. We will read and analyze ancient medical texts, principally from the Hippocratic Corpus and the writings of Galen, and literary and philosophical texts contemporary with them. We will attempt to understand the cultural contexts of ancient medicine, the thought and practices of ancient physicians, and the relationship between Greco-Roman medicine and modern traditions that derive from it. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 307 Ancient Greece & Rome in Film (3 credits)
This course examines various films set in the classical world or inspired by classical themes. It focuses on the relation of these films to ancient literary sources and traces the reasons for the commercial success of the genre in the 1950's and early 1960's, and its rebirth at the dawn of the twenty-first century. The course investigates the uses and abuses of classical antiquity, such as how faithfully it is portrayed on the big screen and how modern concerns (about e.g., politics, ethnicity, morality, religion, gender, sexuality, and cinema itself) are dressed into an ancient costume. Students will read secondary literature as well as a variety of ancient sources in English translation. Students will be required to watch the films prior to class meetings, since only a few, representative scenes will be shown in class; these scenes will form part of the in-class discussion. Fulfills the Art/Literature requirement of the GEP. Also satisfies GEP Writing Intensive. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 320 Golden Age of Rome (3 credits)
An interdisciplinary approach to the most interesting and important period of Roman history: the beginning of the Principate under Emperor Augustus. This course will include a thorough study of the history, major literature and art/architecture of the period. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

CLA 321 Anc World Sexuality & Gender (3 credits)
A study of the ancient Greek and Roman cultural constructions of gender through reading of legal, philosophical, medical, historical, religious, and literary works. We will examine the connections between the ancient ideology of gender and the legal, social, religious, and economic roles of women in Greek and Roman cultures. We will also compare this ancient ideology of gender with conceptions of masculinity and femininity in modern American culture. Fulfills the Art/Literature requirement of the GEP. Also satisfies Gender Studies requirement and GEP Diversity requirement. Attributes: Ancient Studies Course, Diversity Course (New GEP), Gender Studies Course, GEP Art/Literature, Undergraduate

CLA 470 Topics in Classics (3 credits)
CLA 493 Ind. Research in Classics (3 credits)
The student will study a Greek or Latin author whose works are not treated in the usual sequence of courses. Or the student may undertake a research project in the Classical field that is acceptable to the Department. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, Undergraduate

CLA 494 Ind. Research in Classics (3 credits)
The student will study a Greek or Latin author whose works are not treated in the usual sequence of courses. Or the student may undertake a research project in the Classical field that is acceptable to the Department. Fulfills the Art/Literature requirement of the GEP. Attributes: Ancient Studies Course, Undergraduate
COMMUNICATIONS (COM)

COM 200 Communication Theory/Practice (3 credits)
This introduction to communication and digital media studies focuses on various ways people employ language, image, and more cinematic means for communicative purposes. Through a series of hands-on projects, students learn to research and analyze contemporary issues and trends in the field of communications, with an emphasis on digital media. In doing so, students examine how communication technologies are impacting the relationship between media audiences, producers, and content
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Communication Studies.
Attributes: Undergraduate

COM 201 Ethics in Communication (3 credits)
This course explores ethical issues in the field of communications. Themes include: privacy, civic media, citizen journalism, copyright, intellectual property, cyber bullying, net neutrality, social networking, global ethics, and digital divides. Students develop skills in applied ethical decision making, democratic dialogue, and civic participation through a range of projects in both online and community settings.
Prerequisites: COM 200
Restrictions: Enrollment is limited to students with a major in Communication Studies.
Attributes: Undergraduate

COM 202 Digital Aesthetics (3 credits)
This course examines the role of aesthetic, sensory-based experience in digital environments. The course focuses on contemporary ways to understand sensory perception (especially sight, sound, and touch) and its relationship to meaning making. Students will come to understand aesthetics as a mode of complex communication intricately related to social and cultural influences. Students will apply this understanding to a variety of hands-on projects involving color, typography, photography, infographics, sound design and editing, and presentation design.
Prerequisites: COM 200
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

COM 371 Civic Media (3 credits)
This course engages students in questions about media, technology, sociality, and society. Students examine both theoretical and experiential foundations in order to understand the relationship between mediated communication and human communities. Those who complete this course will gain hands-on experience engaging audiences and developing communities through various social media platforms.
Prerequisites: COM 200 (may be taken concurrently) and COM 201 (may be taken concurrently)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

COM 372 Web Design & Development (3 credits)
This course explores the principles and best practices for creating web content, ranging from introductory work in HTML to design prototypes and web typography. Students will work with several types of web content (text, image, audio, video) and consider how that content is best used in the composition of usable, accessible, and attractive web sites. Students will also learn about the structure/history of the web, typical design workflows, and potential careers in web work.
Prerequisites: COM 200 and 201
Restrictions: COM 200 and COM 201 and COM 202

COM 382 Digital Publishing (3 credits)
In this course students will research, produce and publish an interactive media rich culture and tour guide. This student centered digital publication will highlight art, architecture, history, culture, attractions, museums, parks, walking tours, side trips, and restaurants for the student traveler. The guidebook will also provide students traveling abroad with up-to-date, socially responsible opportunities to go beyond tourism.
Destination varies depending on semester.

COM 402 Advanced Web Design (3 credits)
The class will be a mixture of web design theory and practical front-end techniques. Students are expected to have experience hand-coding websites using HTML and CSS, a basic understanding of using Git, and be familiar with basic principles of design such as color and typography. Topics covered will include: usability, accessibility, Git, Javascript/Query, designing for content management, and using Wordpres as a CMS. By the end of this course, students should have a solid understanding of the web design industry and modern web design techniques.
Prerequisites: COM 372 and COM 200 and COM 201
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Communication Studies.

COM 441 Social Media & Community Engagement (3 credits)
Not-for-profit and community-based organizations rely on strategic digital communication to create social change. Students in this course gain in-depth knowledge of communication theories and practices while conducting research projects with local organizations through the Beautiful Social Research Collaborative. Students in the course actively participate as a member of a project team to complete projects with a non-profit client.
Prerequisites: COM 200 and COM 201

COM 442 Non-Profit Communications (3 credits)
Not-for-profit and community-based organizations rely on strategic digital communication to create positive social change. Students will gain in-depth knowledge of communication theories and practices while conducting research projects with local organizations through the Beautiful Social Research Collaborative. Those who complete this course will know how to apply a variety of social media theories and practices to help organizations achieve their communication goals. Students in the course will actively participate as a member of a project team to complete projects with clients in the Greater Philadelphia area and, from time to time, beyond. Local travel is required.
Prerequisites: COM 200 and COM 201
COM 465 Bear Witness: Images/Soc Change (3 credits)
For most of us the visual experience of war comes from images. We will likely never see war first-hand so photographs, movies, video games and graphic novels help shape our collective understanding and memory of armed conflict. This course will investigate images of war from the United States, Iran, Spain, Rwanda, both World Wars, the war in Vietnam and the recent wars in Iraq and Afghanistan. We will examine photographs, films and video games and discuss the dual purpose of war images – as pieces of art and as the documentation of an event.

COM 472 Digital Storytelling (3 credits)
Students in this course will critique and create a variety of digital stories through multiple lenses. Possible topics include 1) the lens of craft (narrative paths, spectatorship, structure); 2) the lens of convergence (transmedia storytelling, immersion, and storytelling via games); and 3) the lens of social change (first-person narratives, documentaries, and social justice), 4) the lens of aesthetics (style, time, and space).
Prerequisites: COM 200 and COM 201 and COM 202
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Communication Studies.
Attributes: Undergraduate

COM 473 Special Topics/ Com&Digi Media (3 credits)
This special topics course will explore a specialized area at the intersection of technology and rhetoric.
Prerequisites: COM 200 (may be taken concurrently) and COM 201 (may be taken concurrently)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Communication Studies.
Attributes: Undergraduate

COM 491 Communications Internship (3 credits)
An on-the-job learning experience in which students spend 12-15 hours a week over a semester, with opportunities to develop further their understanding of communications, ideally in a career field close to their own interests. Normally taken in the junior or senior years, after career interests have clarified through diverse courses in the curriculum.
Prerequisites: COM 200 and COM 201
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Communication Studies.
Attributes: Undergraduate

COM 492 Communication-Indep. Study (3 credits)
COM 493 Indep Create ResearchProject I (3 credits)
COM 494 Indep Create ResearchProject II (3 credits)
COM 495 Advanced Research Project (3 credits)
CSC 110 Building Virtual Worlds (3 credits)
A gentle introduction to programming with user-friendly software (Alice). Students will use 3D animated interactive virtual worlds to develop an understanding of basic programming constructs. Open to all students. Computer science majors may take this course to prepare for CSC 120. This course presupposes no previous programming experience.
Attributes: Undergraduate

CSC 115 Intro to Computer Science (3 credits)
A gentle introduction to computer science. Students will be introduced to basic programming constructs in a language such as Python. Open to all students. Computer science majors may take this course to prepare for CSC 120. This course presupposes no previous programming experience.
Attributes: Undergraduate

CSC 120 Computer Science I (4 credits)
Computer programming for beginners. Very little prior knowledge regarding how computers work is assumed. Learn how to write understandable computer programs in a programming language widely used on the Internet. Go beyond the routine skills of a computer user and learn the programming fundamentals: data, variables, selection, loops, arrays, input/output, methods and parameter passing, object and classes, abstraction. Take what is learned and write programs for use on the Internet. One hour per week of the course is a required laboratory.
Attributes: Undergraduate

CSC 121 Computer Science II (4 credits)
The course covers intermediate programming techniques emphasizing advanced object oriented techniques including inheritance, polymorphism, and interfaces. Other topics include recursion, exception handling, design patterns, simple GUI programming, and dynamic containers such as linked lists, stacks, queues, and trees.
Prerequisites: CSC 1501 or CSC 1505 or CSC 120
Attributes: Undergraduate

CSC 125 CSC I:Programming Fundamentals (3 credits)
CSC 126 CSC II:Intermed Prog Technique (3 credits)
CSC 150 First-Year Seminar (3 credits)
CSC 201 Data Structures (4 credits)
The course covers fundamental data structures, algorithms for manipulating and retrieving information from these data structures, and techniques for analyzing their efficiency in terms of space and time. The distinction between an Abstract Data Type and its implementation is emphasized. Topics include lists, vectors, trees (general trees, binary search trees, and balanced trees), priority queues, hashing, graphs, and various searching and sorting algorithms.
Prerequisites: CSC 121
Attributes: Undergraduate

CSC 202 Computer Architecture (3 credits)
Overview of computer system organization, hardware, and communications. Introduction to combinational and sequential logic, arithmetic, CPU, memory, microprocessors, and interfaces. CISC vs. RISC processors. Assembly language programming, microarchitecture, and microprogramming on a variety of processors.
Prerequisites: CSC 121
Attributes: Undergraduate

CSC 240 Discrete Structures I (3 credits)
Topics include finite probability space, conditional probability, Bayes’ theorem, permutations and combinations, statistics and sampling distributions, the Central Limit Theorem, hypothesis testing, correlation, regression analysis, data encoding, channel capacity, the Shannon coding theorem. Data analysis projects using an appropriate statistical package will be assigned. CS & IT Prerequisite: CSC 121, or permission of the CSC chair.
Restrictions: Graduate level students may not enroll.

CSC 241 Discrete Structures II (3 credits)
Mathematics needed for Computer Science. Topics covered include: functions, relations, propositional and first order predicate logic, set theory, proofs and their construction, counting and elementary probability. The course will use a declarative language as a tool to support concrete implementations of the mathematical ideas. CS & IT Prerequisite: CSC 240.

CSC 261 Principles of Programming Lang (3 credits)
The general principles underlying programming languages, including such topics as syntax and its specification, data types, data control, flow control, storage management and support for design patterns. Examples drawn from a variety of programming languages, including functional, logical and procedural languages, will be presented.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 281 Design & Analysis Algorithms (3 credits)
This course presents fundamental techniques for designing efficient computer algorithms and analyzing their running times. Topics include asymptotics, solving summations and recurrences, sorting and selection, graph algorithms (depth-first and breadth-first search, minimum spanning trees, and shortest paths), algorithm design techniques (divide-and-conquer, dynamic programming, and greedy algorithms), and introduction to NP-completeness.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 310 Computer Systems (3 credits)
An overview of operating systems and the software required to integrate computer hardware into a functional system. Topics include operating systems structure, interrupt driven systems, concurrency, memory management, file systems and security, and system calls.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 315 Software Engineering (3 credits)
Principles of designing large programs, including issues of specification, documentation, design strategies, coding, testing and maintenance. Students work in small groups to design and implement a major software project.
Prerequisites: (CSC 201 or CSC 2301 or MAT 2305)
Attributes: Undergraduate

CSC 341 Introduction to Graphics (3 credits)
Principles of designing large programs, including issues of specification, documentation, design strategies, coding, testing and maintenance. Students work in small groups to design and implement a major software project.
Prerequisites: (CSC 201 or CSC 2305 or CSC 2301)
Attributes: Undergraduate
CSC 342 Computer Vision (3 credits)
Computer vision is the science of analyzing images and videos in order to recognize or model 3D objects, persons, and environments. Topics include the underlying image formation principles, extracting simple features like prominent points or lines in images, projecting a scene to a picture, tracking features and areas in images and make a mosaic, making an image-based positioning system, obtaining 3D models from two or more images, and techniques to recognize simple patterns and objects. The class includes programming exercises and hands-on work with digital cameras and laser scanners.
Prerequisites: CSC 281
Attributes: Undergraduate

CSC 343 Interactive 3D Game Development (3 credits)
This course will cover the tools and techniques for programming interactive games and virtual reality simulations. The focus is primarily on programming aspects, including event loops and execution threads, rendering and animation in 3D, terrain/background representation, polygonal models, texturing, collision detection and physically-based modeling, game AI, and multi-user games and networking. Although this course has a significant programming focus, other topics briefly covered will include the history of computer/video game technology, game genres and design principles, and the social impact of games.
Prerequisites: CSC 2301 or CSC 2305 or CSC 201
Attributes: Undergraduate

CSC 344 Human Computer Interaction (3 credits)
User models: conceptual, semantic and syntactic considerations; cognitive and social issues for computer systems; evaluating the interface; direct manipulation; architectures for Interaction; Students will design and implement a GUI based application.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 351 Database Management Systems (3 credits)
The course will cover the concepts and structures necessary to design and implement a relational database system. Topics to be covered: entity-relationship and relational data models, relational algebra, SQL, normalization, file organization, indexing, hashing, and enterprise-wide web-based applications. CS Prerequisite: CSC 281 or permission of the CSC chair. IT Prerequisite: CSC 201 or permission of the CSC chair.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 352 Data Communication & Networks (3 credits)
Topics include mathematical foundations of data communications, logical and physical organization of computer networks, the ISO and TCP/IP models, communication protocols, circuit and packet switching, the Internet, LAN/WAN, client/server communications via sockets, routing protocols, data encryption/decryption and network security issues.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 353 Internet Application Development (3 credits)
This course will attempt to give you experience in designing Internet applications. A student finishing this course should be able to design, implement, and maintain a large community or e-commerce web site. They should leave the course with an understanding of a variety of Internet protocols and markup languages, a knowledge of at least one common scripting tool, an understanding of how to implement a database back-end into a large-scale site, and the ability to critically assess the usability of both their design and the design others.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 354 Web Technologies (3 credits)
Topics include organization of Meta-Markup languages, Document Type Definitions (DTD), document validity and well-formedness, style languages, namespaces, Transformations, XML parsers, and XQuery. Course includes programming projects.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 355 Cryptography & Network Security (3 credits)
Topics include classical cryptosystems, public and symmetric cryptography, key management, digital signatures, cipher techniques, authentication and federated identity management. Course also covers concepts relating to crypto-virology, malware, viruses, Trojan horses, worms and other types of infectors as they relate to network security. Course includes programming projects.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 356 Mobile App Design (3 credits)
This course is designed for students who wish to start developing mobile applications on Android platforms, and through the process understand the concepts relating to Computer Science on a mobile platform. The course will include the basics of mobile and wireless technology with Android programming and will cover the most recent version of Android. Students will learn how to develop feature-rich Android applications using various development platforms and learn the basic concepts in Computer Science such as algorithmic thinking, abstractions, logic, flow control, and data representation, storage and manipulation. The primary language used in the course will be Java.
Prerequisites: CSC 281
Attributes: Undergraduate

CSC 359 Security in Mobile App Design (3 credits)
The course introduces students on how to implement and enforce access and data protection measures for mobile applications using data encryption standards, VPN policies, and authentication. The focus of the course is on the integration between the mobile application and remote authentication services. The course include Android programming projects using security specific SDK’s
Prerequisites: CSC 281 or CSC 201
Attributes: Undergraduate

CSC 361 Formal Lang & Compilr Constrctn (3 credits)
Introduction to formal languages and abstract machines: finite automata and regular sets, context free grammars and pushdown automata. Syntax trees and decorated trees. Application of these ideas to the construction of compilers and other language translation software. The course will include programming projects that will illustrate the major features of compiler construction.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate

CSC 362 Artificial Intelligence (3 credits)
The course covers fundamental concepts such as role of logic in reasoning, deductive proofs, and blind and informed search techniques. Additional topics may include inductive learning, genetic algorithms, decision trees, planning, natural language processing, game trees and perceptron learning.
Prerequisites: CSC 201 or CSC 2301 or CSC 2305
Attributes: Undergraduate
CSC 363 Theoretical Foundations (3 credits)
Introduction to formal models of languages and computation. Topics covered include finite automata, regular languages, context-free languages, pushdown automata, Turing machines, computability, and NP-completeness.
**Prerequisites:** CSC 201 or CSC 2301 or CSC 2305
**Attributes:** Undergraduate

CSC 370 Topics in Computer Science (3 credits)
The course introduces students to recent theoretical or practical topics of interest in computer science. Content and structure of the course are determined by the course supervisor. The special topic(s) for a given semester will be announced prior to registration.
**Prerequisites:** CSC 201 or CSC 2301 or CSC 2305
**Attributes:** Undergraduate

CSC 490 Internship (3 credits)
The course goals are: to gain first-hand experience of the daily activities of professionals in computer science and related fields, to verify an interest in a particular area of computer science, to develop and hone skills required for computer science professions, to establish contacts outside the academic community who will facilitate a career in computer science. An internship journal and a report are also required.
**Prerequisites:** CSC 201 or CSC 2301 or CSC 2305
**Attributes:** Undergraduate

CSC 491 Independent Study (3 credits)
A one- or two-semester, independent research project on a topic selected by the student and a faculty research advisor, and approved by the department. The student may undertake the two-semester option to graduate with departmental honors, in which case he/she must notify the department by spring of his/her junior year. Students need to complete the application form for independent study (available in the Dean’s Office), meet the GPA and other requirements, and have the approval of the Computer Science Department chair and Associate Dean in order to register.
**Prerequisites:** CSC 281 or CSC 2281
**Attributes:** Undergraduate

CSC 492 Independent Study (3 credits)
A one- or two-semester, independent research project on a topic selected by the student and a faculty research advisor, and approved by the department. The student may undertake the two-semester option to graduate with departmental honors, in which case he/she must notify the department by spring of his/her junior year. Students need to complete the application form for independent study (available in the Dean’s Office), meet the GPA and other requirements, and have the approval of the Computer Science Department chair and Associate Dean in order to register.
**Prerequisites:** CSC 281 or CSC 2281
**Attributes:** Undergraduate

CSC 493 Computer Science Project (3 credits)
Students will work on a substantial application based upon their prior knowledge.
**Prerequisites:** (CSC 2301 or CSC 2305) or CSC 201
**Attributes:** Undergraduate

CSC 500 Discrete Structures (3 credits)
Mathematics needed for Computer Science. Topics covered include: functions, relations, propositional and first order predicate logic, set theory, proofs and their construction, counting and elementary probability. The course will use a declarative language as a tool to support concrete implementations of the mathematical ideas.
**Restrictions:** Enrollment is limited to Graduate level students.

CSC 501 Computer Science I (3 credits)
This is an intensive, one-semester, two-course sequence intended to provide students with the necessary background in programming for the graduate program. The use of the computer to solve problems. Students will learn general principles of program design, at first by using libraries of predefined program units, and later, by constructing complete programs. Emphasis is on developing techniques for program design that lead to correct, readable and maintainable programs. Intermediate programming techniques including the use of recursion. An introduction to encapsulated data structures. Lists and list sorting will be used to introduce a discussion of algorithm efficiency.
**Restrictions:** Enrollment is limited to Graduate level students.

CSC 502 Computer Science II (3 credits)
This is an intensive, one-semester, two-course sequence intended to provide students with the necessary background in programming for the graduate program. The use of the computer to solve problems. Students will learn general principles of program design, at first by using libraries of predefined program units, and later, by constructing complete programs. Emphasis is on developing techniques for program design that lead to correct, readable and maintainable programs. Intermediate programming techniques including the use of recursion. An introduction to encapsulated data structures. Lists and list sorting will be used to introduce a discussion of algorithm efficiency.
**Restrictions:** Enrollment is limited to Graduate level students.

CSC 503 Object Orient Dsgn & Data Struct (3 credits)
The course combines a strong emphasis on Object-Oriented Design principles and design patterns with the study of data structures. Fundamental Abstract Data Types, their implementations and techniques for analyzing their efficiency will be covered. Students will design, build, test, debug and analyze medium-size software systems and learn to use relevant tools.
**Prerequisites:** CSC 502 or CSC 3605
**Restrictions:** Enrollment is limited to Graduate level students.

CSC 504 Design and Analysis (3 credits)
Concepts of program complexity; basic approaches to complexity reduction: data structures and techniques; worst cases and expected complexity. Topics to be covered may include sorting, set manipulation, graph algorithms, matrix multiplication, and finite Fourier transforms, polynomial arithmetic, and pattern matching.
**Prerequisites:** CSC 4005 or CSC 550
**Restrictions:** Enrollment is limited to Graduate level students.

CSC 505 Computer Architecture (3 credits)
Overview of computer system organization, hardware components, and communications. Introduction to Boolean algebra, combinational and sequential logic, arithmetic, the CPU, memory, microprocessors, and interfaces. CISC vs. RISC processors. Practical assembly language programming will be the emphasis with an introduction to microarchitecture and microprogramming on a variety of processors.
**Prerequisites:** CSC 501 or CSC 3405
**Restrictions:** Enrollment is limited to Graduate level students.
CSC 553 Computer Systems (3 credits)
An overview of the software required to integrate computer hardware into a functional system. The following topics are covered. Operating systems as resource managers and as virtual machines. System calls, in particular those required for process and file management; interrupt driven systems; concurrency; memory management; file systems and security.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 554 Theory of Computation (3 credits)
Formal languages, formal grammars, abstract machines; models of computation (e.g. Turing machines); computational complexity (NP completeness); undecideability and uncomputability.
Prerequisites: CSC 500
Restrictions: Enrollment is limited to Graduate level students.

CSC 610 Software Engineering (3 credits)
The purpose of this class is to teach the process of developing software. It combines a study of methods, tools, and techniques for creating and evolving software products, with the practical skills needed to deliver high-quality software products on schedule. The methods that are studied include requirements, specification, design, implementation, testing, and maintenance. The course includes a substantial group project.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 611 Human Computer Interaction (3 credits)
User models: conceptual, semantic and syntactic considerations; cognitive and social issues for computer systems; evaluating HCI; direct manipulation; the model view controller architecture; widgets and toolkits. Students will design a GUI based application.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 612 Program Verification (3 credits)
Symbolic logic and mechanized deduction; program specification; loop invariants; the proof methods of Floyd and Hoare; parallel computations; program semantics.
Prerequisites: CSC 551 or CSC 4015
Restrictions: Enrollment is limited to Graduate level students.

CSC 613 Software testing (3 credits)
A systematic approach to software testing, in context of the software life cycle and as a branch of software engineering, building on students’ prior knowledge of software engineering. Through both the breadth and depth of its coverage, the course prepares students to make an effective contribution to software testing as professional software engineers.
Prerequisites: CSC 3675 or CSC 500
Restrictions: Enrollment is limited to Graduate level students.

CSC 620 Internet App. Development (3 credits)
This course will attempt to give you experience in designing Internet applications. A student finishing this course should be able to design, implement, and maintain a large community or e-commerce web site. They should leave the course with an understanding of a variety of Internet protocols and markup languages, a knowledge of at least one common scripting tool, an understanding of how to implement a database back-end into a large-scale site, and the ability to critically assess the usability of both their design and the design others.
Prerequisites: CSC 502
Restrictions: Enrollment is limited to Graduate level students.

CSC 621 Database Systems (3 credits)
This course covers the concepts and structures necessary to design and implement a database management system. Topics to be covered: data models (entity-relationship and relational), SQL, normalization, storage structures, enterprise applications and database integrity.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 622 Advanced Database Concepts (3 credits)
Topics include stored procedures, triggers, query processing and optimization, web-based enterprise data applications, transaction management, concurrency control, distributed databases, data mining and web mining. The course includes programming projects involving SQL.
Prerequisites: CSC 621 or CSC 5215
Restrictions: Enrollment is limited to Graduate level students.

CSC 623 Data Comm and Networking (3 credits)
Topics include mathematical foundations of data communications, logical and physical organization of computer networks, the ISO and TCP/IP models, communication protocols, circuit and packet switching, the Internet, LAN/WAN, client/server communications via sockets, routing protocols, data encryption/decryption and network security issues.
Prerequisite: CSC 550 Object Oriented Design and Data Systems.
Restrictions: Enrollment is limited to Graduate level students.

CSC 624 Advanced Web Technologies (3 credits)
Topics include organization of Meta-Markup languages, Document Type Definitions (DTDs), document validity and well-formedness, style languages, namespaces, Transformations, XML parsers, Web Services, and Web Security Specifications. Course includes programming projects.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 625 Web Technologies (3 credits)
Topics include fundamental concepts in confidentiality, integrity, and availability, access control methods, cryptographic concepts, physical security, malware, computer viruses, privacy-invasive software, malware detection, network security, web security, security models, software vulnerability assessment.
Restrictions: Enrollment is limited to Graduate level students.

CSC 627 Introduction to Security (3 credits)
Topics include classical cryptosystems, public and symmetric cryptography, key management, digital signatures, cipher techniques, authentication and federated identity management. Course also covers concepts relating to cryptovirology, malware, viruses, Trojan horses, worms and other types of infectors as they relate to network security. Course includes programming projects. Prerequisite: CSC 550 Object Oriented Design and Data Structures.
Restrictions: Enrollment is limited to Graduate level students.

CSC 628 Advanced Security (3 credits)
Topics include classical cryptosystems, public and symmetric cryptography, key management, digital signatures, cipher techniques, authentication and federated identity management. Course also covers concepts relating to cryptovirology, malware, viruses, Trojan horses, worms and other types of infectors as they relate to network security. Course includes programming projects. Prerequisite: CSC 550 Object Oriented Design and Data Structures.
Restrictions: Enrollment is limited to Graduate level students.

CSC 629 Mobile App Design (3 credits)
This course is designed for students who wish to start developing mobile applications on Android platforms, and through the process understand the concepts relating to Computer Science on a mobile platform. The course will include the basics of mobile and wireless technology with Android programming and will cover the most recent version of Android. Students will learn how to develop feature-rich Android applications using various development platforms and learn the basic concepts in Computer Science such as algorithmic thinking, abstractions, logic, flow control, and data representation, storage and manipulation. The primary language used in the course will be Java. Prerequisite: CSC 551 Design and Analysis of Algorithms.
Prerequisites: CSC 550
CSC 630 Introduction to Graphics (3 credits)
The course provides an introduction to the principles of computer graphics. The emphasis will be placed on understanding how various elements that underlie computer graphics interact in the design of graphics software systems. Topics include pipeline architecture, graphics programming, 3D geometry and transformations, modeling, viewing, clipping and projection, lighting, shading and texture mapping and visibility determination. A standard graphics API will be used to reinforce concepts and the study of basic graphics algorithms. Students need some proficiency in C language and basic concepts from Linear Algebra.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 631 Computer Vision (3 credits)
Computer vision is the science of analyzing images and videos in order to recognize or model 3D objects, persons, and environments. Topics include the underlying image formation principles, extracting simple features like prominent points or lines in images, projecting a scene to a picture, tracking features and areas in images and make a mosaic, making an image-based positioning system, obtaining 3D models from two or more images, and techniques to recognize simple patterns and objects. The class includes programming exercises and hands-on work with digital cameras and laser scanners.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 632 Interactive 3D Game Development (3 credits)
This is a technology-based course that uses the latest computer games technology to teach advanced programming, mathematics, and software development. The course is ideal for students with an interest in computer games who plan to seek employment in one of the country’s more profitable industries, or students looking for a career in new technologies or software development. The interactive entertainment industry in the US and throughout the world is entering a new phase. New technology platforms are forcing existing development firms to diversify. There are many aspects of game design, development, production, finance, and the distribution process.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 633 Advanced Graphics (3 credits)
The goal of this course is to expose students to advanced techniques in modeling and rendering in computer graphics and visualization. Topics include parametric curves and surfaces, mesh representation, multiresolution modeling, mesh simplification, ray-tracing, radiosity and volume rendering (iso-rendering and direct volume rendering), anti-aliasing and animation.
Prerequisites: CSC 630 or CSC 5305
Restrictions: Enrollment is limited to Graduate level students.

CSC 634 Big Data and Web Intelligence (3 credits)
The course explores the concepts of big data, the use of Artificial Intelligence data exploration techniques, the map-reduce parallel computing paradigm, distributed file systems, NoSQL databases, and stream computing engines. The course includes programming projects on a cluster of Hadoop servers.
Prerequisites: CSC 550
Restrictions: Enrollment is limited to Graduate level students.

CSC 644 Security in Mobile App Design (3 credits)
The course introduces students on how to implement and enforce access and data protection measures for mobile applications using data encryption standards, VPN policies, and authentication. The focus of the course is on the integration between the mobile application and remote authentication services. The course include Android programming projects using security specific SDK's
Prerequisites: CSC 551

CSC 651 Network Security & Cryptography (3 credits)
CSC 652 Computer Forensics & Crime (3 credits)
CSC 653 Internet Privacy & Surveillance (3 credits)
CSC 654 Cybersecurity & Risk Management (3 credits)

CSC 670 Topics in CS (3 credits)
The course introduces students to recent theoretical or practical topics of interest in computer science. Content and structure of the course are determined by the course supervisor. The special topics for a given semester will be announced prior to registration. With permission of the Graduate Director the course may be taken more than once.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.

CSC 680 Artificial Intelligence (3 credits)
The course covers fundamental concepts such as role of logic in reasoning, deductive proofs, and blind and informed search techniques. Additional topics may include inductive learning, genetic algorithms, decision trees, planning, natural language processing, game trees and perception learning. Course includes programming projects in a suitable language.
Prerequisites: CSC 502
Restrictions: Enrollment is limited to Graduate level students.

CSC 681 Programming Paradigms (3 credits)
An exploration of the relationships between computational paradigms and the computer languages that support them. The Lambda calculus and functional programming, resolution and logic based languages, machine based models and imperative languages. The impact of the computational model on program structure and language design. A mid-sized programming project will be used to illustrate the concepts.
Prerequisite: CSC 500 Discrete Structures.
Restrictions: Enrollment is limited to Graduate level students.

CSC 682 Numerical Algorithms (3 credits)
Exposition and analysis of numerical methods for modern computers; review of basic concepts in linear algebra; direct and interactive methods for solving linear and nonlinear problems in numerical algebra; basic problems in approximation theory, numerical differentiation and integration; numerical solutions of differential equations; forward and backward error analysis of algorithms; criteria for comparing the efficiency and suitability of numerical methods.
Prerequisites: CSC 550 or CSC 4005
Restrictions: Enrollment is limited to Graduate level students.
CSC 683 Information Theory and Coding (3 credits)
Data encoding and transmission; variable length coding; the Kraft inequality for noiseless transmission channels; channel capacity; noise channels and channel capacity; the Shannon coding theorem; algebraic coding schemes. Prerequisite: CSC 500 Discrete Structures.
Restrictions: Enrollment is limited to Graduate level students.

CSC 684 Complexity of Computation (3 credits)
P and NP problems; NP-complete classes; concrete complexity and the P class of combinatorial problems; complexity reduction on graph and string problems; complexity of algebraic computations.
Prerequisites: (CSC 4015 or CSC 551) and (CSC 4025 (may be taken concurrently) or CSC 552 (may be taken concurrently))
Restrictions: Enrollment is limited to Graduate level students.

CSC 690 Computer Science Internship (3 credits)
An approved internship in advanced computer science.

CSC 791 Research Project I (3 credits)
Supervised independent research mentored by a graduate faculty member. Prerequisite: GPA of 3.5 and permission of the Graduate Director.
Restrictions: Enrollment is limited to Graduate level students.

CSC 792 Research Project II (3 credits)
Supervised independent research mentored by a graduate faculty member. Prerequisite: GPA of 3.5 and permission of the Graduate Director.
Restrictions: Enrollment is limited to Graduate level students.

CSC 793 Research Project III (6 credits)
Supervised independent research mentored by a graduate faculty member. Prerequisite: GPA of 3.5 and permission of the Graduate Director.
Restrictions: Enrollment is limited to Graduate level students.
CRIMINAL JUSTICE (CRJ)

CRJ 550 Research Methods and Analysis (3 credits)
The functions of concepts, hypotheses, and theories for an empirical discipline; the operationalization of theoretical variables; the principles of research design; and the problems of inference. The association between criminological theories and research methods used to study crime is explored through the utilization of a variety of related data sources. Also covered are basic quantitative techniques, relevant statistics, data interpretation, and an overview of SPSS. Required of all students unless CRJ 575 is taken.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 560 Criminological Theory (3 credits)
A systemic and critical analysis of the major theories of criminality, including an examination of both traditional and contemporary theories. Consideration will be given to conceptualizations of crime, the relationship of criminological theories to crime on the streets, and specific aspects of criminal behavior. Required of all students.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 565 Ethics and Criminal Justice (3 credits)
This course will address ethical issues in the criminal justice system at both the theoretical and applied levels. Typical theoretical issues addressed might include the following: the relationship between law and morality; theories of punishment; conditions for the moral and/or legal responsibility of individuals; notions of procedural justice. Typical applied ethics issues might include the following: search and seizure rules; the insanity defense and the "guilty but mentally ill" verdict; plea bargaining; capital punishment; mandatory sentencing; civil disobedience; limits on the use of deadly force. Required of all students.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 570 Prof. Writ. for Law Enforcement (3 credits)
The course is designed to develop the cognitive and technical skills of effective writing for law enforcement. Primary emphasis will be given to the "craft of writing", thus, learning the techniques and skills of effective communication in the law enforcement workplace. Class assignments will enhance students' use of computer technology in the writing process. These tools are then applied to a variety of topics, including correspondence, memos, investigative reports, and presentations. Required of all students.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 575 Adv. Resrch Methods & Analysis (3 credits)
In-depth coverage of data collection including questionnaire construction, advanced quantitative techniques and statistics, interpretation and drawing inferences, comprehensive use of SPSS, function of the SJU Institutional Review Board, and research report formulation. Students will select a topic, complete the literature review, and develop a research methodology that may later be used as the initial components of the master's thesis. Prerequisite: recent coursework and present working knowledge of basic research methods. Required of students intending to complete a master's thesis via CRJ 793. May be substituted for CRJ 550 as a core course.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 580 Criminal Behavior & Profiling (3 credits)

CRJ 601 Law and Social Policy (3 credits)

CRJ 602 Courts, Policies & Admin (3 credits)

CRJ 603 The Criminal Justice Process (3 credits)

CRJ 604 Law Enforcement Management (3 credits)

CRJ 605 Criminal Justice Admin (3 credits)
This course provides present and future senior managers with the skills to achieve organizational effectiveness. Major topics include organizational design and behavior, budgeting and financial management, diversity, performance evaluation, human resources management, labor relations, and the policy process.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 606 Criminal Procedure (3 credits)

CRJ 607 Multiculturalism & Diversity (3 credits)
The purpose of this course is to present a conceptual framework to provide understanding of the special conditions of minorities in the context of the criminal justice system and encourage the development of culturally and gender specific compatible skills and practical approaches to more adequately meet the challenges presented by working with minority population concerns, problems and needs.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 608 Communicatn & Conflict Resolutn (3 credits)

CRJ 609 Alternative Dispute Resolution (3 credits)

CRJ 610 Community & Prob-Oriented Policng (3 credits)

CRJ 611 Crime Analys Using GIS Mapping (3 credits)
This course will examine the role of geographic information systems (GIS) in crime analysis by covering the basic components of a GIS and examining the use of GIS in police departments throughout the US. Special attention will be given to the use of GIS at the Philadelphia Police Department and will include techniques used to analyze crime patterns as well as a review of the way crime maps influence tactical deployment decisions. Finally, a visit to the Philadelphia Police Department's Crime Analysis Unit and/or Compstat meeting will illustrate the relationship of GIS to current crime problems in Philadelphia.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 612 Police Executive Management (3 credits)

CRJ 613 Technology for the Police Exec (3 credits)
This course is geared to the non-technical police manager and is designed to give students an overview of major automated systems used today throughout the United States. Topics covered include: the Internet, project management, budgeting, automation via computer including networks, dealing with vendors, maintenance agreements, grants, and applying for technical grants. The course will highlight major public safety systems such as the National Crime Information Center (NCIC2000), computer-aided dispatch, utilization of geographic information systems, and crime mapping. The course will also cover 911 systems, mobile/field communications, and vehicle mobile data terminals (MDT). No prior technical knowledge is required.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 614 Sem:Contemp Issues in Policing (3 credits)

CRJ 615 Youth Cultures and Deviance (3 credits)
This course offers economic, cultural, political, and social perspectives on American youth based on sociological theory. Special attention will be paid to youth popular culture and the unique social problems facing young adults (e.g. gangs, drugs, suicide, and teen pregnancy).
Restrictions: Enrollment is limited to Graduate level students.
CRJ 616 Juvenile Justice & Delinquency (3 credits)
This course provides a contemporary overview of theoretical and programmatic issues and concerns in juvenile delinquency and the juvenile justice system, including a review of recent research. The course also focuses on a critical review of the trends in problem solving and delivery of services to this population.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 617 Mental Health and the Law (3 credits)
The purpose of this course is to acquaint criminal justice professionals with the mental health field and to serve as a primer for understanding mental health and mental health professionals. In addition, particular areas of interplay between mental health and criminal justice will be emphasized to provide a historical and up-to-date factual background.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 618 Therapeutic Strat Crim Justice (3 credits)
An examination of the application of basic counseling principles to varied criminal justice settings, from adult correctional institutions to post-release situations. Special emphasis is given to innovative methods and programs.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 619 Fnds of Addiction:CRJ Profess (3 credits)
The course is designed to meet the needs of the criminal justice professional in dealing with the human and social consequences of addiction. The course will provide an understanding of substance abuse problems and addiction in American society. It is designed to provide a framework for exploring the effects of these problems on the many aspects of American culture including: the individual, family, criminal justice system, healthcare system, and the workplace. Course content will also include a critical analysis of current and past treatment interventions.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 620 Evid Bas Prac Subt Ab/Beh Hlth (3 credits)
Increasingly the Substance Abuse/Behavioral Healthcare field is being asked to prove that it offers a valuable treatment service for the funds it receives. This course will explore "best practices" including practice guidelines, treatments that are efficacious and evidence based treatments for substance abuse/addiction. The course will look at the level of energy needed and the complexities to transport "Evidence Based Scientific Knowledge" into a "real" clinical environment.
Restrictions: Enrollment is limited to Graduate level students.

CRJ 621 Co-Occurring Disorders (3 credits)
CRJ 622 Basic Prin. of Behav Analysis (3 credits)
Learning serves as the basis for behavior change. In the field of criminal justice, programs often attempt to rehabilitate delinquents and offenders. This is an advanced course on principles of learning. This course will cover studies of principles of learning from relatively simple animal studies to more complex issues such as the acquisition of human language. We will outline from a behavior analytic perspective on such issues as thinking, feeling, and imagining. We will follow the structure of Catania's text including an overview of learning processes, learning without words in an evolutionary context, and with words examining memory.
Restrictions: Enrollment is limited to students with a concentration in Behavior Analysis. Enrollment is limited to Graduate level students.

CRJ 623 Applied Behavior Analysis (3 credits)
Often Criminal Justice Personnel are called to function as behavior managers. To function effectively as a behavior manager/analyst, Criminal Justice Personnel need to grasp the basic concepts of human behavior and its change. This course covers the practical aspects of being an applied behavior analyst working in the criminal justice system, school system and the community setting. The topics will cover: basic principles of applied behavior analysis; the application of these principles to children ADHD, ODD, and CD8; writing behavioral objectives; training parents and paraprofessionals to execute operant and respondent based treatments; programming for generalization; working as a behavior analyst in a CASSP system; and legal and ethical issues in the treatment of children in a diverse society.
Restrictions: Enrollment is limited to students with a concentration in Behavior Analysis. Enrollment is limited to Graduate level students.

CRJ 624 Behavior Analysis: Consult (3 credits)
Professionals in the field of criminal justice often serve as consultants. Consultation has become a major approach to service delivery of psycho-educational services to children and adolescents. This course focuses on behavioral consultation in the juvenile justice system, school system, workplace, and community settings. The topics covered are best practices in behavioral consultation, the verbal behavior of the consultant and the consultee, building a consulting relationship, problem identification interviewing, direct observation methodology, problem analysis interviewing, skills and functional behavioral assessment methodology, functional analysis, standardized behavioral assessment, positive behavioral support and developing a competing behaviors model, treatment plan design and implementation, and treatment evaluation using single subject designs and graphical analysis of the data.
Prerequisites: CRJ 623 and CRJ 622
Restrictions: Enrollment is limited to Graduate level students.

CRJ 625 Behavioral Development (3 credits)
Many people in the justice system today are there because of emotional and behavioral disorders. Conceptualization of behavior problems and the origins of behavioral disorders are critical to the functioning of a criminal justice professional. This course focuses on Basic Principles in Behavior Analysis and how they shape the development of normal and abnormal children. The role of these principles in normal development and developmental problems such as language delays, motor developmental delays, conduct and oppositional defiant disorder, childhood depression and autism are explored. The course reviews field applications including observations, functional behavioral assessment, curriculum-based measures and intervention strategies that involve both the school and the family.
Prerequisites: CRJ 622 and CRJ 623
Restrictions: Enrollment is limited to Graduate level students.

CRJ 626 Clinical Behavior Analysis (3 credits)
This course observes behavior analysis as it enters into the child clinical, adult clinical, supervisory level and organizational behavior. The primary goal of the course is to provide an overview and skills for behavior analysts in criminal justice to function as parole and probation officers with both adults and children, as well as organizational and system level change experts.
Prerequisites: CRJ 622 and CRJ 623 and CRJ 624
Restrictions: Enrollment is limited to Graduate level students.
CRJ 627 Contemp Criminol.: Scope&Appl (3 credits)

CRJ 628 Victimology (3 credits)
The course focuses on the contemporary concept and status of the victim, juxtaposed with their historical evolution in terms of compensation, retribution, and vengeance. Current victim assistance programs are evaluated. The definition of the victim is broadened to include currently undervalued categories. Other issues addressed are child abuse, environmental casualties, and controversies over recovered memories.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 629 Violence and Victims (3 credits)
This course is designed to explore the serious problem of violence in our society from a sociological perspective. Violence is prevalent in homes and on the streets of the United States. This course will address a variety of types of violence, its causes, consequences, and theories for prevention. Topics which will be addressed include wife abuse, rape, child abuse, gang warfare, street violence and serial murder. An emphasis will be placed on understanding the structural causes of violence such as gender, race, and social class inequality as well as the effect of pornography, the media, and drugs/alcohol on violence. Particular attention will be given to the consequences of violence for both individual victims and society as a whole.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 630 Gender, Crime, and Justice (3 credits)

CRJ 631 Criminal Jurisprudence (3 credits)

CRJ 632 Crime and Urban Communities (3 credits)
This course examines crime and delinquency at the level of the urban neighborhood. This course takes an in-depth look at the theories and research that has emphasized the community level factors that lead to crime and delinquency, and examines the topic of what neighborhoods can do to prevent crime. The course will also consider policies that aim at alleviating neighborhood problems and reducing crime. The course has a practical component that requires students to apply what they learn in class to specific problems of crime and disorder in local communities.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 633 Federal Criminal Justice (3 credits)
This course will examine the criminal justice at the federal level. The main areas are the role of each branch of government; how agencies are funded; the major investigation, prosecution, probation, and correction elements; and individual investigative agencies including Inspector General. The course will cover the mission of and interrelationships among individual agencies.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 634 Fed Criminal Law & Prosecution (3 credits)
This covers federal criminal law and its enforcement. Major areas include an overview of federal crimes, elements of the United States Code, origin and scope of federal criminal law, and the role of federal agents in the support of prosecutions. Specific topics include mail and wire fraud, the Hobbs Act, official bribery and corruption, organizational crime, drug enforcement, money laundering, criminal civil rights violations and remedies, interference with witnesses, federal versus state prosecution, sentencing guidelines, and asset forfeiture.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 635 White Collar Crime (3 credits)
The course provides an understanding of the accounting and financial bases of embezzlement, fraud, corruption, and misapplication of funds. Legislation and regulation in government and business are examined. Consumer protection and corporate responsibility are discussed.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 636 Federal Search and Seizure (3 credits)
This course is designed to teach the law of search and seizure as it is defined and applied in federal court. Instruction will focus on the requirements of the Fourth Amendment and the proper means by which a federal agent may obtain evidence through searches and seizures. This course will address legal and evidentiary issues associated with search warrants, exceptions to the warrant requirement, warrantless searches, frequent problems that confront federal agents, as well as emerging trends in the law of search and seizure.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 637 Forensic Financial Analysis (3 credits)
This course covers the detection of illegal financial transactions. Major topics include money laundering, fraud, embezzlement, and illicit accounting practices. Students will learn data gathering and analysis techniques for financial transactions, records, legitimate businesses, illegal organizations, and individuals. The course will include preparation for trial. Prerequisite: a basic course in accounting or permission of the instructor.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 638 Drugs: Threats, Laws & Stratg (3 credits)
This course covers illegal drugs and narcotics including prescription medication diverted for illicit use. Major topics include drug types, brief history, emerging trends, relevant federal and state laws, typical domestic and foreign sources, production and distribution methods. A strategy overview includes the National Drug Control Policy; agencies involved; the role of education, interdiction, investigation, prosecution, treatment and rehabilitation; and coordination among federal, state, and local law enforcement.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 639 Org Crime:Targets & Stratg (3 credits)
This course will investigate the social, economic, and political impact organized crime has on our society. We will target specific industries where organized crime has influence/control (e.g. construction, waterfront, garment, trucking, and convention centers). The course will explore criminal, civil, and administrative strategies to control and/or remove the influence of organized crime in those industries.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 640 Terrorism: Threats and Strateg (3 credits)
This course is designed to give the student an understanding of the concepts of terrorism, both domestic and international. Lecturer will address the causes and effects of terrorism as they relate to political structures from both religious and historical perspectives; noting its impact on the world today.

Restrictions: Enrollment is limited to Graduate level students.
CRJ 641 Homeland Security (3 credits)
This course focuses on the consolidation of responsibilities and functions across agencies, at various jurisdictional levels, that have the charge of mitigating hostilities, threats, hazards, and consequences. Further, this course incorporates the pillars of robust response systems. This course is designed to develop analytical skills that will prepare students to identify, evaluate and resolve complex policy issues and initiate practical actions. Though the range of relevant issues extends from local matters to national security, this course will concentrate on preparedness strategies for state, urban and local areas. Restrictions: Enrollment is limited to Graduate level students.

CRJ 642 Law Enforc Intel Analysis (3 credits)
This course pursues the deliberative and cognitive activities and methodologies that surround the production of intelligence information, in support of decision-making at the strategic, tactical, and operational levels of law enforcement. Also examined are the structure and supervision of the intelligence analysis unit at various levels of law enforcement, and the role of the analyst. Restrictions: Enrollment is limited to Graduate level students.

CRJ 643 L.E. Intelligence:Policy & Pro (3 credits)
This course provides insights into the contemporary functions of law enforcement strategic, tactical, and operational intelligence and its influence upon crime prevention policy. The discussion will include the intelligence process in the context of intelligence unit structure and supervision, operating procedures, and resources. The course will examine how law enforcement intelligence relates to organizational relationships, planning, and decision-making. Restrictions: Enrollment is limited to Graduate level students.

CRJ 644 Elec Intelligence Analysis (3 credits)
This course will use the latest computer technology to train students in the use of Analyst Notebook 7, an electronic version of link analysis, telephone toll analysis and flow charts. Analyst Notebook 7 is the program currently being used by the CIA, FBI, NSA, US ARMY, INS, CUSTOMS, SECRET SERVICE, HOMELAND SECURITY, DEA, and more than 1500 other National, State and Local Law Enforcement agencies throughout the world, to combat Terrorism, Drug Smuggling, Money Laundering and Organized Crime. It is a hands-on training course and is limited to twenty-five students. Prerequisite: CRJ 642. Prerequisites: SOC 4545 or CRJ 642 Restrictions: Enrollment is limited to Graduate level students.

CRJ 645 Sociology of Disasters (3 credits)
This course is designed to provide the graduate student advanced knowledge and understanding of the sociological issues and concerns related to both man-made and natural disasters. The purpose is to present the current research pertaining to community resilience and the effects on individuals who witness, become victimized, or are otherwise affected by disasters. Each student will be expected to increase their capacity in both oral and written communication through their individual and group participation. The course will also improve the student’s analysis of the sociological implications related to disasters. Restrictions: Enrollment is limited to Graduate level students.

CRJ 646 Risk Assessment (3 credits)
This course is designed to provide the graduate student advanced knowledge and understanding in the area of risk assessment and management. The focus is on the recognition of real and perceived threats, sharing information between communities and agencies, the collaboration of resources, and the management of risk. Students will examine the concepts of risk assessment, risk analysis, and the impacts of actual and suspected threats. Restrictions: Enrollment is limited to Graduate level students.

CRJ 647 Prob Contemporary Corrections (3 credits)
The major problems of adult corrections, including prison and jail overcrowding, population forecasting, judicial intervention in correctional operations, prison disturbances, mental health and incarceration, pretrial and post-conviction alternatives to traditional incarceration, ethics and corrections, and the death penalty. Case study materials are employed, and current and ongoing correctional issues are discussed. Restrictions: Enrollment is limited to Graduate level students.

CRJ 648 Con Prob Probation & Parole (3 credits)
This course is designed to analyze the current legal, managerial, and political factors which impact upon the probation and parole system. It will examine organizational innovations, caseload management techniques, and technological advances used to confront such problems. Restrictions: Enrollment is limited to Graduate level students.

CRJ 649 Fnds of Addiction:CRJ Profess (3 credits)

CRJ 650 Victim-offender Mediation (3 credits)
The introduction of restorative justice philosophy into the traditional criminal justice system has resulted in the adoption of a number of dialogue processes, which will be the focus of this new offering. The course will explore the humanistic mediation model and the community mediation model used by many local mediation groups. The course will also cover other processes such as community sentencing circles, restorative conferencing, reparative boards and family group conferencing. Participants will not only learn the theories behind these practices, but will have an opportunity to experience them through role-plays. Resolving conflict and dealing with the aftermath of crime through dialogue is a highly valued skill in restorative justice. Restrictions: Enrollment is limited to Graduate level students.

CRJ 651 Restorative Justice: Theory (3 credits)

CRJ 652 Restorative Justice: Practice (3 credits)

CRJ 653 Mediation Theory and Practice (3 credits)

CRJ 654 Systems Design (3 credits)

CRJ 655 Inside/Out Exp Crime & Justice (3 credits)
This class is a unique opportunity to explore issues of crime and justice from inside a correctional facility, where the classes take place throughout the semester. The Inside-Out Prison Exchange Program brings together students from universities and adult students who are incarcerated to learn about and discuss topics such as the causes of crime, victims, the rationale of the criminal justice system, and restorative justice. Through the readings and dialogue, inside and outside students will be able to integrate their theoretical knowledge with lived experiences. It is through this exchange that we hope to critically analyze and challenge the current system in the U.S. that has resulted in a higher incarceration rate than other similar countries. Restrictions: Enrollment is limited to Graduate level students.

CRJ 656 Criminal Justice System (3 credits)
Provides a foundation and overview of the criminal justice system and process. The major components are discussed including crime, law, criminology, law enforcement, adjudication by the courts, corrections, juvenile justice, current issues and policies. This course is designed for students with only limited prior study in American criminal justice and little or no professional Criminal Justice experience in the United States. Permission of the Program Director required. Restrictions: Enrollment is limited to Graduate level students.
CRJ 657 Ethics In Behavior Analysis (3 credits)
The course will focus on the ethical application of behavior analytic services. The course will detail the Guidelines for Responsible Conduct of the Behavior Analyst Certification Board (BACB) © as well as relevant literature on the topic of ethical behavior in the field. The course will also provide "context" to these Guidelines, highlighting principles of behavior and potential applications of these principles that raise ethical issues.

Restrictions: Enrollment is limited to students with a concentration in Behavior Analysis. Enrollment is limited to Graduate level students.

CRJ 658 The Wire (3 credits)
Although journalists and media critics around the world have heaped deserved acclaim on The Wire, many people do not recognize its contribution to social science. Students in this seminar will watch, critique, and discuss selected episodes of The Wire along with assigned readings on urban inequality, crime, and violence that relate to these episodes. The assigned readings will feature academic books and research articles that describe and analyze life and experiences in inner city neighborhoods, as well as the social, economic, political, and cultural factors that shape or influence these experiences.

CRJ 659 Rest Justice: Theory Practice (3 credits)
Restorative justice is a new movement in the fields of victimology and criminology. Acknowledging that crime causes injury to people and communities, it insists that justice repair those injuries and that the parties are permitted to participate in that process. This course will provide the student with a strong foundation in restorative justice through the use of text, supplemental readings, videos and guest speakers. Students will also gain an understanding of how restorative justice differs from our traditional justice process.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 770 Spec Topic/Independent Study (3 credits)
An opportunity to conduct extensive literature review or research project under the supervision of the Graduate Director. Such work must be preceded by a proposal that must be approved by the Director of the Graduate Criminal Justice program.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 789 Criminal Justice Internship (3 credits)
An opportunity to carry out supervised field experience under the supervision of a subject matter expert and facilitated by the Graduate Director. Such work must be preceded by a proposal that must be approved by the Director of the Graduate Criminal Justice program.

Restrictions: Enrollment is limited to Graduate level students.

CRJ 790 Internship in Behv Analysis I (3 credits)
CRJ 791 Internship in Behv Analysis II (3 credits)
CRJ 792 Internship in Behv Analysis III (3 credits)

CRJ 793 Thesis Supervision (3,6 credits)
An integrative course in which the student is expected to complete a research paper utilizing the research methods and subject matter competence obtained in previous courses. Prerequisites include CRJ 575 and 570. Thesis courses may only be taken near the end of a student’s curriculum, will be scheduled over a fall/spring sequence, and will be continued until the research is completed. Encouraged far students who plan to pursue a Ph.D. Permission of the Director required.

Restrictions: Enrollment is limited to Graduate level students.
DECISION & SYSTEM SCIENCES (DSS)

DSS N001 Non-Credit - Begin Comp Skills (1 credit)
DSS N002 Non-Credit - Using the Web (1 credit)
DSS 100 Excel Competency (0 credits)
DSS 111 Basic Business Analytics (1 credit)
DSS 150 Freshman Seminar (3 credits)

First Year Seminars will have varying topics.

Attributes: First-Year Seminar, Undergraduate

DSS 200 Intro to Information Systems (3 credits)

Information systems play a critical operational, tactical and strategic role in global businesses. Technology has both a direct and indirect impact on how firms do business, where they do business, and on the products and services they market. In this course, the dynamic and ongoing impact of technology on business operations is examined at the industry, corporate, and individual levels. Topics examined include the effect of technology on business processes, services, and products, the supply chain, customer relationship management, decision- making, knowledge management, communications, outsourcing, information security, and the ethical use of technology.

Attributes: Undergraduate

DSS 210 Business Statistics (3 credits)

This course covers probability concepts as well as descriptive and inferential statistics. The emphasis is on practical skills for a business environment. Topics include probability distributions, estimation, one-sample and two-sample hypothesis testing, inferences about population variances, and chi-square test of independence. Students will also become familiar with spreadsheet applications related to statistics and with statistical software. Prerequisite: Math Beauty Course

Attributes: Undergraduate

DSS 220 Business Analytics (3 credits)

Every organization, must manage a variety of processes. In this course the student will develop an understanding of how to evaluate a business process. Additionally, the art of modeling, the process of structuring and analyzing problems so as to develop a rational course of action, will be discussed. The course integrates advanced topics in business statistics—linear and multiple regression and forecasting, production and operations management—linear programming and simulation, and project management. Excel software is used for problem solving. Prerequisite: DSS 210.

Prerequisites: DSS 1311 or DSS 210 or DSS 1315 or QMB 1311 or DSS 1313 or QMB 1315 or MAT 1181 or MAT 118 or FIN 1311 or FIN 1315 or PSY 2021 or PSY 210 or PSY 2025 or PSY 211 or MAT 1281 or IHS 2311

Attributes: Undergraduate

DSS 315 BIA Concepts & Practices (3 credits)

This course is an introduction to various scientific viewpoints on the decision-making process. Viewpoints covered include cognitive psychology of human problem-solving, judgment and choice, theories of rational judgment and decision, and the mathematical theory of games, and these topics will be focused in the field of Business Intelligence and Analytics, with systems theory as an overarching theme. Latest academic research and industry practice will be presented by guest speakers to motivate the topic an enhance learning.

Prerequisites: DSS 210 and DSS 200

Attributes: Undergraduate

DSS 330 Database Management (3 credits)

The course provides an in-depth understanding of the database environment. Besides covering the important process of database design, this course comprehensively covers the important aspects of relational modeling including SQL and QBE. Students will be required to design and develop a database application using a modern fourth generation language system. Prerequisite: DSS 220 or Actuarial Science Major.

Prerequisites: (DSS 1011 or DSS 1015 or DSS 200 or CSC 120)

Attributes: Undergraduate

DSS 420 Introduction to Data Mining (3 credits)

This course focuses on the application of decision-making tools used to develop relationships in large quantities of data for more than two-variables. Comprehension of when to use, how to apply, and how to evaluate each methodology will be developed. This course will additionally provide an introduction to data mining tools. Data Mining consists of several analytical tools, such as neural networks, decision trees, evolutionary programming, genetic algorithms, and decision trees, used to extract knowledge hidden in large volumes of data. An understanding of how these data mining tools function will be developed so as to provide insight into how to apply these tools. Statistical and data mining software will be used. Prerequisite: DSS 220.

Prerequisites: (DSS 2011 or DSS 2015 or DSS 220 or HON 2723 or CSC 1401 or CSC 1405 and DSS 2311 or DSS 2315) or DSS 330

Attributes: Undergraduate

DSS 425 Analytics Cup (3 credits)

The Analytics Cup course is an annual competition in which teams will solve a real-world problem situation utilizing their Business Intelligence (BI) and/ or Business Analytics (BA) skills. During the course, all the students will learn about new BI and BA techniques and software, such as Trade Promotion Optimization (TPO), text analytics, and optimization. Each team will dig deeper into the application of one or more these software packages to solve their real-world problem situation. The competition culminates where each team presents their solution to a panel of judges who select the SJU Analytics Cup Champions. Students must be either a DSS major or minor. Class size is limited to 30 students.

Prerequisite: DSS 420

Prerequisites: DSS 420

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Business Intellig. Analytics.

DSS 435 Advanced Business Analytics (3 credits)

This course extends several of the foundation Business Analytics topics from DSS 220 to address more complex problem solving situations. Techniques to be covered are optimization models (linear programming, integer programming, non-linear programming and others), simulation models, optimization/simulation models, and decision analysis. These techniques will all be presented in the context of real world problems. To improve the students' ability to develop such models, fundamental problem solving skills of modeling and process analysis will be developed. Prerequisite: DSS 220

Prerequisites: DSS 220

Attributes: Undergraduate
DSS 440 Six Sigma Apps & Foundations (3 credits)

This course introduces students to Geographic Information Systems and Science (GIS) - a rapidly growing field concerned with examination, description, analysis, management, visualization, and mapping of geographic data. Topics covered include map design, geographic and projected coordinate systems, spatial data structures and models, spatial analysis, and more. Students will learn fundamental GIS techniques for spatial analysis using ESRI's ArcGIS software package. The course is computer-intensive though no computer programming background is required.

DSS 470 DSS Special Topics (3 credits)
Content of this course varies to allow for ongoing changes to business intelligence and related fields. The instructor will provide the course description for a given semester. Students may take this course without having taken DSS 220.
Prerequisites: (DSS 1011 or DSS 1015 or DSS 200 or HON 1713)
Attributes: Undergraduate

DSS 471 DSS Special Topics II (3 credits)
Content of this course varies to allow for ongoing changes to business intelligence and related fields. The instructor will provide the course description for a given semester. Students may take this course without having taken DSS 220.
Attributes: Undergraduate

DSS 490 Internship I (3 credits)
DSS 491 Internship II (3 credits)
DSS 492 Internship III (3 credits)
DSS 493 Independent Study I (3 credits)
DSS 494 Independent Study II (3 credits)

DSS 500 Math for Grad Business Studies (1 credit)
Various mathematical concepts are explored in reference to making business decisions. Topics include methods to solve systems of linear equations, matrix operations, and derivatives. A review of basic algebraic concepts such as quadratic formula, scientific notation, and graphing techniques is also covered.
Restrictions: Enrollment is limited to Graduate level students.

DSS 505 Business Stat with Excel (3 credits)
DSS 509 Curricular Practical Training (1 credit)
DSS 510 Statistics Proficiency (1 credit)
This course will include all of the content usually found in a business statistics course. This includes probability, probability distributions, confidence intervals, hypothesis testing, ANOVA, Chi Square, and Linear Regression. The course will be conducted through the use of ALEKS online learning software and will also meet virtually each week. The software allows students to obtain credit for concepts, which they already know and then provides learning tools to complete the remainder of the course. Students may waive this course by achieving a minimum score of 80% on the proficiency exam. Prerequisite: DSS 500
Prerequisites: HSB Waiver with a score of DS500 or DSS 500
Restrictions: Enrollment is limited to Graduate level students. Enrollment limited to students in the Haub School of Business college.

DSS 525 Contemporary Info Technologies (3 credits)
This course will examine fundamentals of information systems and explore selected issues in depth. In-depth topics may include systems analysis and database, ecommerce, software development, management of information systems, self-service systems, 1-IRIS, etc.
Restrictions: Enrollment is limited to Graduate level students.

DSS 545 Big Data & Analytics (3 credits)
From the simplest dashboard to the big data driven advanced analytics embedded in company’s processes, including ones with direct interaction with customers, Analytics should be a critical aspect of every business. This course provides an overview of what Analytics is and the why of Analytics integration into company’s strategy plans and initiatives from the perspective of the C-Suite.
Restrictions: Enrollment is limited to Graduate level students.

DSS 550 Contemporary Info Systems (3 credits)

DSS 560 Business Analytics for MBA (3 credits)
This course will focus on the modeling process of identifying, analyzing, interpreting, and presenting results, so as to transfer the data into decisions, will be examined. The statistical basis for decision-making will be reviewed. Descriptive statistics, confidence intervals, and hypothesis are covered with an emphasis on analyzing and interpreting results using Excel. Students will learn to utilize advanced managerial decision-making tools, such as optimization and stimulation, to analyze complex business problems, and arrive at a rational solution. For each of the analysis techniques, the methodology will be developed and applied in a real business context. Cases of increasing complexity will be used to emphasize problem description, definition, and formulation. Prerequisite: DSS 510
Prerequisites: DSS 510 or HSB Waiver with a score of DS510
Restrictions: Enrollment is limited to Graduate level students.

DSS 571 Sales Forecasting (2 credits)
DSS 572 Business Statistics (2 credits)
DSS 573 Contemp Info Technologies (2 credits)

DSS 581 Business Statistics (2 credits)
This course is designed to help students develop skills in applying quantitative techniques in solving business problems and decisions. Topics include descriptive statistics, statistical inference, and regression and correlation analysis. Students will use the tools from the DSS Tools and Concepts module and build upon them to solve more complex and realistic problems.

DSS 582 Research Skills (2 credits)
This course is designed to help students develop a working knowledge of the business research process. Topics include proposal development, research design, survey design, collection and analysis of data, and presenting results. Practice is provided in carrying out a practical research project of limited scope. This course will provide an application of some of the concepts in the Business Statistics course.

DSS 583 Decision Making Techniques (2 credits)
This course continues the DSS module with the examination of more advanced decision models used in management science for solving complex business problems. It will provide an appreciation of the wide range and complexity of decisions faced by managers in the different functional areas. Topics covered will include the art of modeling, aggregate planning, and decision making under uncertainty and risk. This module will also cover the concepts and tools of forecasting, simulation, Data Mining (in conjunction with the Business Intelligence Module) for support of Customer Relationship Management (CRM) and business analysis.
DSS 584 Business Intelligence (1 credit)
DSS 585 Big Data (2 credits)
DSS 591 Data Analytics (2 credits)
The overall purpose of this course is to provide an introduction to the basic concepts of inferential statistics, which are important tools to support data-driven decision-making. Your ability to identify situations where these techniques may be effectively applied and to appreciate their potential as well as their limitations to solving complex business problems will be developed. The methodology of each technique will be developed and applied in a real business context. Problems of increasing complexity will be used to emphasize problem description and definition. Emphasis will be placed on the interpretation and implementation of computer-generated results using Excel.
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 592 Business Statistics (2 credits)
This course presents a fundamental review of the impact of information technology on the entire food industry, laying the groundwork for more in-depth study. A focus on utilizing technology strategically for competitive advantage will be the theme. The material covers the key concepts utilized to support the food supply chain, such as data synchronization, paperless transactions via EDI, scan based trading, and electronic funds transfer.
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 593 Sales Forecasting (2 credits)
This course is a comprehensive survey of the commonly used techniques in sales forecasting. Three major categories of forecasting approaches will be presented. These include quantitative methods, time series and correlation techniques. Shortcuts, rules of thumb, and things to avoid will be discussed. Case studies will be presented, and students will be expected to do forecasting on simulated data sets. Prerequisite: DSS 591
*Prerequisites:* MPE 7501 or DSS 592 or MPE 7810
*Restrictions:* Enrollment is limited to students with a major, minor, or concentration in Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

DSS 594 Data Analytics (2 credits)
This course provides the student with a fundamental understanding of the potential and implementation of business analytics/business intelligence into an organization. To demonstrate this opportunity a few data analytics techniques are examined, so as to provide some insight into how these tools maybe used to analyze complex business problems and arrive at a rational solution.
*Prerequisites:* DSS 592
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 600 Found for Bus Intelligence (3 credits)
This course is intended to provide an integrative foundation in the field of business intelligence at the operational, tactical, and strategic levels. Topics such as value chain, customer service management, business process analysis and design, transaction processing systems, management information systems, and executive information systems will be covered, along with other topics relevant to the field of business intelligence. Prerequisite: DSS 510
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 610 Business Analytics for MSBI (3 credits)
The aim of this course is to provide the student with an understanding of several management science techniques and to provide some insight into how these tools may be used to analyze complex business problems and arrive at a rational solution. The techniques to be studied are forecasting, linear planning, simulation, and modeling. Cases of increasing complexity will be used to emphasize problem description, definition, and formulation. The computer will be used extensively throughout the course, primarily by using available programs to perform the calculations after the problem has been correctly formulated. Emphasis will be placed on the interpretation and implementation of results. In addition, we will examine the future of analytics. Prerequisite: DSS 600. This course is required in place of DSS 560 for those students concentrating in Business Intelligence.
*Prerequisites:* DSS 600
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 615 Python Programming (3 credits)
DSS 615: Python is an open source programming language that focuses on readability, coherence and software quality. It boosts developer productivity beyond compiled or statically typed languages and is portable to all major computing platforms. This course is designed as an introduction to python programming and the characteristics that make it unique. Student will learn the use of the python interpreter, how to run programs, python object types, python numeric types, dynamic typing, string fundamentals, lists and dictionaries, and tuples and files. Prerequisite DSS 600, DSS 610
*Prerequisites:* DSS 600 and DSS 610
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 620 Con & Pract of DSS Modeling (3 credits)
Building on the background of previous courses, this course will extend the use of spreadsheet modeling and programming capabilities to explore decision models for planning and operations using statistical, mathematical, and simulation tools. Prerequisite: DSS 600, DSS 610 or permission of the Program Director.
*Prerequisites:* DSS 4415 or DSS 600 or MBA 4415 and DSS 4715 or DSS 610 or MBA 4715
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 630 Database Manag Theory & Pract (3 credits)
Business Intelligence rests on the foundation of data storage and retrieval. In this course, students will be presented with the theory of operational database design and implementation. The concepts of normalization, database queries and database application development will be introduced using contemporary tools and software for program development. Prerequisites: DSS 600, DSS 610, DSS 620, and/or permission of the Program Director.
*Prerequisites:* DSS 4415 or DSS 600 or MBA 4415 and DSS 4715 or DSS 610 or MBA 4715
*Restrictions:* Enrollment is limited to Graduate level students.

DSS 640 Enterprise Data (3 credits)
Traditional database design concentrates on the functional areas of business and their database needs. At the strategic and value chain levels, we look at data across the enterprise and over time. The issues of Enterprise Data in the Data Warehouse, Data Marts, Enterprise Resource Planning (ERP), Supply Chain Management (SCM), Customer Relationship Management (CRM), Online Analytical Processing (OLAP), and the concepts of Data Mining will be surveyed in this course. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, and/or permission of the Program Director.
*Prerequisites:* DSS 600 and DSS 610 and DSS 630
*Restrictions:* Enrollment is limited to Graduate level students.
DSS 650 Business Process Model & Analy (3 credits)
Using the case study approach in combination with contemporary software tools, students will apply the concepts of business process analysis and design, quality control and improvement, performance monitoring through performance dashboards, and balanced scorecards and process simulation. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640 and/or permission of the Program Director.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to Graduate level students.

DSS 660 Introduction to Data Mining (3 credits)
This course in the Business Intelligence Program will extend the concepts of data mining to an exploration of a contemporary Data Mining toolset on a large live data set. In this course, students will be encouraged to find the patterns in the data and to prepare reports and presentations describing the implications of their findings. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640, DSS 650 and/or permission of the Program Director.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to Graduate level students.

DSS 665 R Statistical Language (3 credits)
DSS 665: The goal of this course will be to use R’s command line interface (CLI) to build familiarity with the basic R toolkit for statistical analysis and graphics. Specifically, students will learn good programming practices to manage and manipulate data, become familiar with some of R’s most commonly used statistical procedures, and apply knowledge of data mining techniques (Multivariate Statistics, Regression, ANOVA, Cluster Analysis, Logistic Regression) for complex data sets using R. Prerequisite: DSS 600, DSS 610, DSS 660
Prerequisites: DSS 600 and DSS 610 and DSS 660
Restrictions: Enrollment is limited to Graduate level students.

DSS 670 Critical Perform Management (3 credits)
This course integrates the concepts of decision support, database management, critical performance measurement, and key performance indicators through the practical application development of performance dashboards. When completed, students will be able to design department level, user-oriented applications that capture data from transaction processing systems and present that data for business users in decision-compelling format. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640, DSS 650, DSS 660 and/or permission of the Program Director.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to Graduate level students.

DSS 680 Predictive Analytics (3 credits)
This course extends the data mining process to the predictive modeling, model assessment, scoring, and implementation stages. In this course, professional data mining software and small and large data sets will be used to effectively analyze and communicate statistical patterns in underlying business data for strategic management decision making. Prerequisites: DSS 600, DSS 610, DSS 620, DSS 630, DSS 640, DSS 650, DSS 660, DSS 670 and/or permission of the Program Director.
Prerequisites: DSS 600 or HSB Waiver with a score of DS600 and DSS 610 or HSB Waiver with a score of DS610 and DSS 660 or HSB Waiver with a score of DS660
Restrictions: Enrollment is limited to Graduate level students.

DSS 700 Six Sigma Apps & Found I (3 credits)
This course is the first of a two course sequence that prepares the student for the Six Sigma Green Belt certification examination. Topics include introduction of Six Sigma and its vocabulary, review of business statistics focusing on hypothesis testing and multiple regression, experimental design and Analysis of Variance, statistical process control, analytic hierarchy process, discrete event simulation and other tools of Six Sigma. This course includes roughly half of the material covered on the Green Belt certification exam.
Restrictions: Enrollment is limited to Graduate level students.

DSS 710 Six Sigma Apps & Found II (3 credits)
This course is the second of a two course sequence that prepares the student for the Six Sigma Green Belt certification examination. Topics include the Six Sigma dashboard and related models (DMAIC, DMADV, DFSS: QFD, DFMEA, and PFMEA), selecting and managing projects, organizational goals, lean concepts, process management and capability, and team dynamics and performance. This course includes the remaining material covered on the Six Sigma Green Belt certification exam.
Restrictions: Enrollment is limited to Graduate level students.

DSS 720 Bus Analytics: Supply Chain Mgt (3 credits)
Management of supply chains is critical to the success and profitability of all businesses, whether manufacturing or service companies. This course examines supply chains and the business analytic tools which are most effective in developing supply chain efficiencies and supply chain value. Topics include supply chain strategy, network and system design, operations management, sourcing, logistics, forecasting, inventory management, relationship management and sustainable supply chain management.
Restrictions: Enrollment is limited to Graduate level students.

DSS 730 Web Analytics (3 credits)
This course will explore the basics of web analytics, review web analytic tools (such as Google Analytics, etc.), study the methodologies of analyzing websites, and learn to use web analytics to guide marketing strategies on the web.
Restrictions: Enrollment is limited to Graduate level students.

DSS 770 Special Topics (3 credits)
Content of this course varies to allow for ongoing changes to business intelligence and related fields. The instructor will provide the course description for a given semester.
Prerequisites: DSS 600 and DSS 610
Restrictions: Enrollment is limited to Graduate level students.
ECONOMICS (ECN)

ECN N001 Non-Credit: Hist Glob Economy (1 credit)

ECN 101 Introductory Economics Micro (3 credits)
By analyzing the behavior of buyers and sellers in product and factor markets, this course explains how a market economy determines how scarce resources are allocated to the production and distribution of various goods and services. Supply-and-demand models are used to explain the determination of the prices of products and of factor inputs, and the consequences of government controls and of different types of market structures on prices, wages, and economic efficiency are analyzed.
Attributes: GEP Social Science, International Relations Course, Undergraduate

ECN 102 Introductory Economics Macro (3 credits)
Theoretical models of the economy as a whole, show what determines the level of national output, employment, and prices, and how these might be stabilized by the proper fiscal and monetary policies. The course also looks at the mechanism by which our money supply changes, and considers the benefits and problems associated with international trade. Topics covered include the measurement of GDP, inflation and unemployment; Keynesian and Classical theories of output and price determination; the Federal Reserve System; the federal budget and the national debt; and the balance of payments. ECN 101 not prerequisite for ECN 102 but recommended.
Attributes: GEP Social Science, International Relations Course, Undergraduate

ECN 150 First-year Seminar (3 credits)

ECN 301 Microeconomic Theory (3 credits)
This course presents an analysis of the behavior of households as buyers of output and suppliers of inputs, an analysis of firms as suppliers of output and buyers of inputs, and a study of their interaction in markets that determines the prices and quantities of outputs and inputs. Applications of analytical tools are demonstrated. Prerequisite: ECN 101.
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 302 Macroeconomic Theory (3 credits)
This course examines a complete model of the economy to show the forces that determine the rate of unemployment, the rate of inflation, the rate of growth, and the international financial position of an economy. This model is used to show the logic of, and the limitations of, monetary, fiscal, and other stabilization policies. Prerequisite: ECN 102.
Prerequisites: ECN 102
Attributes: Undergraduate

ECN 311 Economic Statistics (3 credits)

ECN 321 International Trade (3 credits)
This course investigates a primary component in the study of international economics: the causes and effects of international trade and barriers to trade. The class begins with an overview of world trade patterns and then focuses on classical and modern trade theory, exploring the Ricardian and Heckscher-Ohlin models, as well as non-comparative advantage based models that incorporate economies of scale and monopolistic competition. The second part of the class focuses on trade policy, starting with a theoretical analysis of tariffs, and then investigating the debate over free trade as it pertains to both developing and advanced economies. The class also looks at the economic institutions involved in the management of global trade, such as the World Trade Organization. Prerequisite: ECN 101.
Prerequisites: ECN 101 or ECN 102
Attributes: Ethics Intensive (New GEP), Globalization Course (New GEP), International Relations Course, Latin American Studies Course, Undergraduate

ECN 322 International Macroeconomics (3 credits)
This course investigates international macroeconomic theory and its application to current events and policy issues, including the study of the principles and practices of the balance of payments, exchange rates, and international money markets for achieving both domestic and international policy objectives. Coverage includes the description and history of financial crises, currency policy, the development of international financial markets and the relevant national and international institutions. Prerequisite: ECN 102; ECN 101 is recommended. Note: counts towards the quantitative track.
Prerequisites: ECN 102
Attributes: Globalization Course (New GEP), International Relations Course, Latin American Studies Course, Undergraduate

ECN 330 Economics of Labor (3 credits)
This course concentrates on the analysis of the major contemporary issues concerning labor relations and labor unions; in particular: unemployment, wage-price relations, the settlement of disputes, minimum-wage legislation, wage differentials and discrimination, and competition from imports. Discussion is not confined to the purely economic dimensions of these topics. The course includes descriptive material on the development and present structure of the labor union movement in this country and on the more interesting and significant features of labor-management relations in selected foreign countries. Prerequisite: ECN 101. Note: Can be counted towards quantitative track with the completion of additional coursework and permission of the instructor.
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 340 Government Finance (3 credits)
This course examines the nature of government spending, the decision-making process, and trends. It describes and evaluates several kinds of taxation and proposals for reform. It utilizes microeconomics to investigate tax incidence and the welfare effects of taxation. Prerequisite: ECN 101.
Prerequisites: ECN 101
Attributes: Undergraduate
ECN 350 Monetary Economics (3 credits)
The course analyzes the nature and functions of money to show its influence on GNP, the price level, unemployment, and the allocation of resources. Commercial banking and other financial institutions will be studied, as well as central banking. Prerequisite: ECN 102. Note: counts towards the quantitative track.
Prerequisites: ECN 102
Attributes: Undergraduate

ECN 360 Industrial Organization (3 credits)
Applications of microeconomic theories to public policies affecting structure and performance of markets and behavior of firms. Antitrust and other aspects of government regulation will be covered. Prerequisite: ECN 101.
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 365 Game Theory (3 credits)
The goal of the course is to introduce students to the field of Game Theory within the Microeconomics discipline. Standard concepts to be learned and discussed are the roles of strategy, decision making, solution concepts for games, the nature of Nash equilibria, strategic behavior, cooperation, the role of incentives, probabilities and the nature of Bayesian equilibria, auctions in theory and practice, matching theories, conflict and theories of appropriation versus production. The course will put a greater emphasis on the role of economic reasoning and the major results discovered within the field as opposed to understanding the complex mathematical proofs. In addition, students will learn to approach the study of economics from an analytic perspective as opposed to the standard quantitative approaches of undergraduate economic studies. Prerequisite: ECN 101. Note: counts towards the quantitative track
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 370 Economic Development (3 credits)
This course focuses on the economic growth and development of the Third World; conditions that are conducive to growth are explored and the transformation that results from growth is studied. Also addressed is the development impact on trade, poverty, industrialization, etc. Latin American Studies. Latin American Studies.
Prerequisites: ECN 101 or ECN 102
Attributes: Globalization Course (New GEP), International Relations Course, Latin American Studies Course, Undergraduate

ECN 375 Environmental Economics (3 credits)
Introduces the environmental concerns facing optimal allocation of resources and factors of environmental policy. Topics include environmental policy analysis, externalities, public goods, criteria for evaluating environmental policies, the role of economic analysis in environmental policy decisions, discussion of pollution control planning, and economic analysis of environmental policy in United States and International Environmental issues. Prerequisites: ECN101 or equivalent
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 380 Managerial Economics (3 credits)

ECN 390 The Economics of Healthcare (3 credits)
This course examines major policy issues associated with the delivery of health care in the United States from an economic perspective. Particular emphasis will be placed on the challenges and trade-offs involved in containing health care costs, maintaining quality, and ensuring access. This course will provide students with a better understanding of the major health policy issues. Prerequisite: ECN 101.
Prerequisites: ECN 101
Attributes: Undergraduate

ECN 410 Econometrics (3 credits)
Basic principles of econometrics beginning with the classical linear regression model and the method of least squares. Special problems arising from the violation of classical assumptions, and statistical procedures for dealing with them, are covered. Identification and estimation problems are also studied, as well as forecasting with single-equation regression and simultaneous system of equations. Modern time-series models are evaluated, with numerous forecasting illustrations from economics and business. Prerequisite: ECN 101, ECN 102, Introductory Statistics (MAT 118) or equivalent. Note: Required for quantitative track.
Prerequisites: ECN 101 and ECN 102 and (MAT 118 or MAT 128 or DSS 210)
Attributes: Undergraduate

ECN 415 Economic Forecasting (3 credits)
This course provides an introduction to forecasting techniques used frequently in economics and business. Students will review basic statistical concepts and then explore data patterns that are commonly found in a variety of economic settings. Central approaches to analyzing time-series data are covered, such as moving averages, smoothing methods, single and multivariate regression, Box-Jenkins (ARIMA) methodology, and others. Prerequisite: ECN 101, ECN 102, Introductory statistics (MAT 118) or equivalent (ECN 410 or DSS 220 recommended). Note: counts towards the quantitative track.

ECN 420 Sports Economics (3 credits)

ECN 430 Modern Economic Systems (3 credits)
This course examines the nature of economic systems such as the market economy, the centrally planned economy and market socialism. It includes an assessment of how these systems have changed over time and compares the performance of each with respect to various economic indicators (such as GNP, employment, health care, etc.).
Prerequisites: ECN 101
Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

ECN 435 History of Economic Thought (3 credits)
The origin and development of the dominant ideas of modern economics investigated by study of a succession of major economists who shared in its making: the place of Economics in the history of ideas.
Prerequisites: ECN 101 and ECN 102
Attributes: European Studies Course, Undergraduate

ECN 440 U.S. Economic History (3 credits)
Economic principles are used in an informal manner to assist in the interpretation of the history of U.S. economic development from colonial times to the recent past. Sociocultural factors are also noted as they relate to U.S. economic history.
Attributes: International Relations Course, Undergraduate
ECN 445 Econ. of Multinatnl Enterprises (3 credits)
This course will examine theories of foreign direct investment, initial investment strategies and organizational structure of multinational companies and their impact on the economies of both the host and home countries. It will also include the study of U.S. and host country policies toward multinationals and the business problems of firms operating in a foreign environment. Prerequisite: ECN 101
Prerequisites: ECN 101
Attributes: International Relations, Undergraduate

ECN 450 Nationalism and Economy (3 credits)

ECN 455 The Economics of Transition (3 credits)

ECN 460 African Economies (3 credits)
Africa is a continent of contrasts. The poorest country in the world is in Africa and the world's highest rate of economic growth is also found in an African country. In this course, we will assess the economic performance of contemporary African countries and then we will analyze the reasons for their differing growth patterns. In the process, we will study what is produced, how it is produced and for whom it is produced. Satisfies Social Science GER.
Prerequisites: ECN 101 or ECN 102
Attributes: Africana Studies, International Relations, Non-Western Studies (GEP), Undergraduate

ECN 465 Consumer Economics (3 credits)

ECN 470 Ethical Values & the Markeplace (3 credits)

ECN 475 Asian Economies (3 credits)
This course will encompass a theoretical and empirical approach to the study of the economies of Asia. First, the nature of the various economies will be assessed by the observation of some indicators of economic and social development. Then, theories will be explored that attempt to explain the differences in the economies and their growth patterns. This theoretical section will entail the study of international and indigenous characteristics of Asian countries. The aim of the course is to convey to students the changes in the world distribution of economic power and in the international division of labor as it involves the Asian countries, and the implications of these trends. Prerequisite: ECN 101
Prerequisites: ECN 101 or ECN 102
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

ECN 477 Chinese Economics (3 credits)
As the world becomes more integrated, countries become more interdependent. Economic events and policy changes in one country affect many other countries. The emergence of China, especially in international markets, is clearly one of the most important forces currently reshaping the world economy. Understanding China's history, culture, economics, politics and society is imperative to help students participate in the ongoing dialogue among policymakers, economists, business firms, and international agencies. This course will cover both the historical and current aspects of the Chinese economy with a focus on the historical development of its socio-economic institutions, on its varying economic policies and strategies. In addition, this course would provide the student with opportunities to explore and apply economic theories and models to understanding the diverse processes of economic development in China.
Prerequisites: ECN 101
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate, Writing Intensive Course- GEP

ECN 480 Ecns of Poverty & Income Dist (3 credits)
In this course, we study several facets of income distribution and inequality in the United States through the lens of economic theory. Initially, we discuss the basics of income and wealth distribution (definitions and measurements), and study the trends and patterns of income, wealth and well-being, followed by a similar discussion with respect to poverty. The second portion of the course focuses on causes and explanations of poverty and income inequality. This section relies heavily on the foundation of labor economic theory with discussion of labor force participation, unemployment and human capital. Finally, we focus on policies that may cause or alleviate poverty and income inequality – both current and proposed policy – followed with a discussion of societal goals. If time permits, we also cover labor market discrimination and wage gaps, specifically with respect to race/ethnicity. This course is an upper-division Economics elective that also meets the Faith-Justice course studies criteria. Pre-requisite: ECN 101 (Principles of Microeconomics) or equivalent.
Attributes: Undergraduate

ECN 482 Latin American Economies (3 credits)

ECN 485 Ecns of Migration & Immigrtn (3 credits)
In this course, population movements are analyzed from the economics perspective. With respect to voluntary migration, we study both the macro issues (namely, the economic consequences of the loss and gain of population; the effect of globalization on labor markets) as well as the micro issues (such as who migrates and why). We study the different kinds of migrations that occur and the conditions that cause them to predominate. In the study of involuntary migration, we focus on the economic pressures used to force relocation. We also study the options open to displaced peoples, including encampments, repatriation, integration and third country asylum. Finally, we ask what happens to the economies of host countries when they are inundated with foreign migrants. Given that at this time, the majority of the annual migrants go to just four host countries: United States, Germany, Canada, and Australia, it is imperative to understand the effect of migration on their economies and the concerns that underlie immigration policy. Satisfies Social Science GER.
Prerequisites: ECN 101 or ECN 102
Attributes: Africana Studies, International Relations, Non-Western Studies (GEP), Undergraduate

ECN 487 Research Methods (3 credits)
This course is an upper-level economics elective that provides students with an introduction into research methods. We will discuss current research in applied microeconomics and apply the methods learned to create original research. Throughout the course we will investigate multiple facets of research including literature review, data analysis, and analytic writing. Throughout the course, students will be given verbal and written feedback about their analysis and writing. Throughout this course, there will be opportunities for reading about, writing about, and discussing current policies, problems, and events that are relevant to writing a comprehensive research paper. In order to gain the most from these discussions, students are required to take on an active role in these discussions. Prerequisites: ECN 101, ECN 410 or equivalents
Prerequisites: ECN 101 and ECN 410 and ENG 101
Attributes: Undergraduate, Writing Intensive Course- GEP

ECN 490 Seminar in Economics (3 credits)
The process of developing and executing a research project according to the standards of modern economic science is the subject of this seminar. Attention is also given to the use of the computer as a research tool.
Attributes: Undergraduate
ECN 491 Economics Internship (3 credits)
This course combines work experience with academic study. Students work in unpaid internships for the duration of the semester (some 10 hours per week) with approved employers in the private and public sectors (or non-governmental and non-profit organizations) in the Philadelphia area. Their work experience is complemented with relevant required readings. In addition, students must keep a journal, write a final report and meet regularly with their adviser. A successful academic internship is a three-way partnership between the student, the employer, and the faculty adviser.

ECN 493 Independent Research (3 credits)
Students will study a topic in economics with a faculty mentor.
Prerequisite: Permission of the Instructor.
Attributes: Undergraduate

ECN 494 Independent Research (3 credits)
Taken in senior year under the direction of a thesis mentor.
Attributes: Undergraduate

ECN 2301. Economics of Sports (3 credits)
EDU 121 Child Development (3 credits)
This course examines the physical, intellectual, emotional, and social development of the child from birth through the childhood years (0-12), including the study of how children learn and acquire knowledge. Special attention will be given to leading theories of development and their implications in the early childhood and elementary classrooms as well as critiques of these theories.

EDU 140 Publ Schls & Soc Eq in Urb Env (3 credits)
This course explores the controversies that the current education reform has created in urban school districts such as the School District of Philadelphia. Particular attention is given to the debate over school funding and the role that charter schools play in this debate. To understand the complexity of this issue, the course will introduce students to some of the main changes experienced by the School District of Philadelphia in recent times and will address how charter schools came to be regarded as "the" solution for public education in this City. Because this course also aims at providing students with an introduction to the process of research and to familiarize them with the conventions of different ways of writing, students will be required to conduct library-based research and to present their conclusions in different academic formats.

Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Adult Learning Seminar

EDU 150 Schools in Society-Fr Seminar (3 credits)
The course studies American education structurally. The origins, evolution, and realities of contemporary public and private schools are examined through critical readings. Visits to elementary classrooms in multicultural settings provide a strong link to the teacher's world and the course content. Satisfies Freshman Seminar GEP requirement.
Attributes: Diversity Course (New GEP), First-Year Seminar, Undergraduate

EDU 150F FE Schools in Soc (preK-4/4-8) (0 credits)
The course studies American education structurally. The origins, evolution, and realities of contemporary public and private schools are examined through critical readings. Visits to elementary classrooms in multicultural settings provide a strong link to the teacher's world and the course content. Satisfies Freshman Seminar GEP requirement.

EDU 151 Develop, Cognition, & Learning (3 credits)
This course provides students with the opportunity to apply theories of human development to teaching practices. Special attention is directed towards intrinsic and extrinsic motivation, social dynamics in the classroom, tests and measurements, and various instruction models. Enrollment in Field Experience is required with this course. Satisfies a Social/Behavioral Science GEP requirement.

Prerequisites: EDU 121
Attributes: Undergraduate, Writing Intensive Course- GEP

EDU 151F FE Devel, Cognition & Learning (0 credits)
This course provides students with the opportunity to apply theories of human development to teaching practices. Special attention is directed towards intrinsic and extrinsic motivation, social dynamics in the classroom, tests and measurements, and various instruction models. Enrollment in Field Experience is required with this course. Satisfies a Social/Behavioral Science GEP requirement.
Attributes: Undergraduate

EDU 152 FE Schools in Soc (preK-4/4-8) (1 credit)
EDU 153 FE Devel, Cognition & Learning (1 credit)
EDU 154 Teach Holocaust through Film (3 credits)
EDU 155 Foundations of Early Childhood (3 credits)
This course is designed as an introduction to the essentials of early childhood education. Topics to be covered include: recognizing the unique roles played by early care and education providers teaching young children; understanding cognitive, social-emotional, adaptive and motor development in childhood; assessing and planning a developmentally appropriate and standards-based curriculum; providing an inclusive learning environment; and communicating effectively with families and caregivers. Special attention will be given to contemporary models of Early Childhood Education in school and other early childhood settings and the unique needs of early learners, including English Language Learners and students with special needs. Prerequisites: EDU 121

Attributes: Undergraduate

EDU 155F FE Found Early Child (preK-4) (0 credits)
This course is designed as an introduction to the essentials of early childhood education. Topics to be covered include: recognizing the unique roles played by early care and education providers teaching young children; understanding cognitive, social-emotional, adaptive and motor development in childhood; assessing and planning a developmentally appropriate and standards-based curriculum; providing an inclusive learning environment; and communicating effectively with families and caregivers. Special attention will be given to contemporary models of Early Childhood Education in school and other early childhood settings and the unique needs of early learners, including English Language Learners and students with special needs. Prerequisites: EDU 121
Attributes: Undergraduate

EDU 156 FE Found Early Child (preK-4) (1 credit)
EDU 157 Adolescent Development (3 credits)
The course addresses the dynamic complexities of adolescent development, through discussion of classic and emerging theories. The text readings and class assignments make use of research-based, real-world, and cross-cultural examples. The primary aim of the course is to foster the students ability to recognize and apply the connections among developmental domains and of theory and research with application as applied to the ever changing field of human development. The course takes a longer age range approach to adolescence by expanding coverage into the early twenties and giving attention to changes and continuities in development that take place during this period of "emerging adulthood."

Attributes: Undergraduate

EDU 157F FE Adolescent Development (0 credits)
The course addresses the dynamic complexities of adolescent development, through discussion of classic and emerging theories. The text readings and class assignments make use of research-based, real-world, and cross-cultural examples. The primary aim of the course is to foster the students ability to recognize and apply the connections among developmental domains and of theory and research with application as applied to the ever changing field of human development. The course takes a longer age range approach to adolescence by expanding coverage into the early twenties and giving attention to changes and continuities in development that take place during this period of "emerging adulthood."

Attributes: Undergraduate
EDU 158 FE Middle Level Devel. (4-8) (1 credit)
EDU 160 Schools in Society (3 credits)
See description for EDU 150. Appropriate for students who did not take EDU 150 in their freshman year. Equivalent to EDU 150/150F; HOWEVER, does not satisfy the First Year Seminar GEP requirement.
Attributes: Diversity Course (New GEP), Undergraduate

EDU 160F FE Schools in Soc(preK-4/4-8) (0 credits)
See description for EDU 150. Appropriate for students who did not take EDU 150 in their freshman year. Equivalent to EDU 150/150F; HOWEVER, does not satisfy the First Year Seminar GEP requirement.
Attributes: Undergraduate

EDU 161 FE Schools in Soc(preK-4/4-8) (1 credit)
EDU 230 Early Literacy and Numeracy (3 credits)
EDU 231 Assessment and Evaluation (3 credits)
Assessment and Evaluation in Education is designed to provide education majors with an in-depth understanding of the different types of assessment strategies, and how to use multiple assessment data for a wide range of educational decisions. Content coverage will include an overview of assessment models using authentic, diagnostic, dynamic, formative, and summative assessment techniques. In addition, course topic will include an examination of technical qualities of assessment tools, different types of educational decisions, current assessment legislation and regulation, and test modifications/accommodation.
Attributes: Undergraduate

EDU 231F FE: Assessment & Eval PK 4-4-8 (0 credits)
EDU 232 Reading Literature I (3 credits)
The course provides students with the opportunity to investigate the use of literature as central to the development of successful reading. Students begin to investigate the use of literature, specifically fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of Basals as literature. In this course students study the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Students continue to investigate the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of multicultural literature and the writing process. Prerequisite: EDU 232 and acceptance into the Teacher Education Program.
Prerequisites: EDU 232
Attributes: Undergraduate

EDU 232F FE Reading/Literature I (0 credits)
EDU 235 Art Education in the Schools (3 credits)
EDU 240 Reading Literature II (3 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of multicultural literature and the writing process. Prerequisite: EDU 232 and acceptance into the Teacher Education Program. 

EDU 240F FE: Reading Literature II (0 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of multicultural literature and the writing process. Prerequisite: EDU 232 and acceptance into the Teacher Education Program.

EDU 241 Social Motor Development (3 credits)
This course examines the role of cognitive and psychomotor influences on young children’s social development. Topics studied include: purposes of play and play behavior; motor development and the goals of physical development programs; and behavioral structures that promote prosocial competencies. Special attention will also be directed towards the use of art, music, and movement as central tools to support learning and development.
Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate

EDU 242 Tech Enhncd Curr & Instrs PK-8 (3 credits)
This course provides multiple approaches to the critical linked processes of assessment, curriculum development, and instruction of young children. National Association for the Education of Young Children (NAEYC) standards as well as state and federal early learning standards, and guidelines for personnel preparation in early childhood education will be used to structure early learner curriculum and developmentally appropriate programs. Topics of study include: planning and preparation; implementing thematic units and child-centered studies using appropriate curricular materials, scope and sequence; and resources and strategies for student-centered assessments which address academic, cultural and linguistic differences. Prerequisites: EDU 150, EDU 151.
Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate
EDU 242F FETech Enhncd Curr&Instrs PK-8 (0 credits)
This course provides multiple approaches to the critical linked processes of assessment, curriculum development, and instruction of young children. National Association for the Education of Young Children (NAEYC) standards as well as state and federal early learning standards, and guidelines for personnel preparation in early childhood education will be used to structure early learner curriculum and developmentally appropriate programs. Topics of study include: planning and preparation; implementing thematic units and child-centered studies using appropriate curricular materials, scope and sequence; and resources and strategies for student-centered assessments which address academic, cultural and linguistic differences. Prerequisites: EDU 150, EDU 151.

EDU 244 Socio-Emotion & Motor Develop (3 credits)
EDU 246 Literacy, Language and Culture (3 credits)
This course introduces education majors to key theories, issues, and practices related to promoting the language and literacy development of culturally and linguistically diverse students (Pre-K - 8), with a special focus on English language learners (ELLs). Candidates will learn how to use the PA Language proficiency standards and PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, videos, library and online.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Diversity Course (New GEP), Undergraduate

EDU 246F FE: Literacy, Language & Culture (0 credits)
This course introduces education majors to key theories, issues, and practices related to promoting the language and literacy development of culturally and linguistically diverse students (Pre-K - 8), with a special focus on English language learners (ELLs). Candidates will learn how to use the PA Language proficiency standards and PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, videos, library and online.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 247 Literacy in the Content Areas (3 credits)
Teaching and using of reading skills in various content fields in middle and secondary schools; problems in reading textbooks, special needs in different curriculum areas, general and specific reading skills, study methods, critical reading, and adjustment to individual differences. Special focus on the use of audiovisual materials in the classroom is a core element of the course. Prerequisites: EDU 150, 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 247F FE: Literacy in Content Areas (0 credits)
Teaching and using of reading skills in various content fields in middle and secondary schools; problems in reading textbooks, special needs in different curriculum areas, general and specific reading skills, study methods, critical reading, and adjustment to individual differences. Special focus on the use of audiovisual materials in the classroom is a core element of the course. Prerequisites: EDU 150, 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Educational Studies, Elementary Educ 4th - 8th Gr or Secondary Education. Enrollment is limited to PLS/HDC or Undergraduate Day Division level students.

EDU 248 Writing in the Upper Grades (3 credits)
EDU 248F FE Writing in the Upper Grades (0 credits)
EDU 251 Trauma: Infancy & Early Child (3 credits)
EDU 252 Trauma Princ Infant&EarlyChild (3 credits)
EDU 253 Enhance Trauma Prin.Child/Infan (3 credits)
EDU 255 Enhance Languag Infant&Toddler (1 credit)
EDU 264 Love, Talk, Play (3 credits)
EDU 312 Topics in Language Acquisition (3 credits)
EDU 345 Trauma: Infancy & Early Child (3 credits)
EDU 350 Assessment of Young Children (3 credits)
EDU 351 Social Studies Methods ECE (3 credits)
EDU 352 Literacy/ Soc Stud Methods 4-8 (3 credits)
EDU 353 Literacy in the Content Areas (3 credits)
EDU 354 Litercy & Cult for Diverse Stud (3 credits)
EDU 356 FE Liter/Soc Stud Methods (4-8) (1 credit)
EDU 357 Edu and Jesuit Missin in Lat Am (3 credits)
This course takes students into the reality of schools in Latin American where poverty, ethnic marginalization and political disenfranchisement define the lives of most communities. The course focuses on the Jesuit ethic in Latin America and highlights the tradition of the theology of liberation which understands the school as a forum for advocacy, social empowerment, and personal spirituality. Latin American Studies.
Attributes: Undergraduate

EDU 360 Science Methods ECE (3 credits)
EDU 361 Math and Technology ECE (3 credits)
EDU 362 Social Studies Thru Arts PK-4 (3 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies through the visual and performing arts. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.
Restrictions: Enrollment is limited to students with a major in Elementary Educ 4th - 8th Gr
Attributes: Undergraduate

EDU 362F FE: Soc Studies Thru Arts PK-4 (0 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies through the visual and performing arts. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.
Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate

EDU 363 Science Methods PK-4 (3 credits)
This course is designed to provide students with the opportunity to investigate teaching modalities relevant to elementary school science. Emphasis is placed upon the philosophy, curriculum planning and organization, skill development, instrumental methodology, and classroom resources for the natural sciences. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.
Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate
EDU 363F FE: Science Methods PK-4 (0 credits)
This course is designed to provide students with the opportunity to investigate teaching modalities relevant to elementary school science. Emphasis is placed upon the philosophy, curriculum planning and organization, skill development, instrumental methodology, and classroom resources for the natural sciences. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.

EDU 365 Math & Technology (PreK-4) (3 credits)
This course provides an overview of the development of mathematics as a part of the elementary school curriculum. Emphasis will be placed upon current research and the development of techniques useful in the presentation of mathematical concepts. Included in this course is a thorough investigation into the Standards and of the National Council of Teachers of Mathematics and examination of gender bias in the mathematics classroom. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.

EDU 365F FE Math & Technology (PreK-4) (0 credits)
This course provides an overview of the development of mathematics as a part of the elementary school curriculum. Emphasis will be placed upon current research and the development of techniques useful in the presentation of mathematical concepts. Included in this course is a thorough investigation into the Standards and of the National Council of Teachers of Mathematics and examination of gender bias in the mathematics classroom. Prerequisite: EDU 151 and acceptance into the Teacher Education Program.

EDU 369 Perspectives of Women in Edu (3 credits)
EDU 379 Family, School & Community (3 credits)
EDU 381 Math in the Elementary School (3 credits)
EDU 382 Social Studies in Elem School (3 credits)
EDU 383 Science in the Elem School (3 credits)
EDU 390 Elem Pedagogy Field Exp (0 credits)
EDU 391 Math in the Elementary School (3 credits)
EDU 392 Social Studies in Elem School (3 credits)
EDU 393 Science in the Elem School (3 credits)
EDU 410 Instructional Tech -English (3 credits)
A course designed to introduce pre-service and in-service secondary school teachers of English to instructional processes, strategies, materials, assessment practices and classroom management theory that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Emphasis is on lesson planning that utilizes questioning and discovery strategies, inductive and deductive teaching skills, process writing procedures and traditional grammar, plus oral English skills as demonstrated on a video-taped mini lesson. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.

EDU 410F FE: Instru Tech for English (0 credits)
A course designed to introduce pre-service and in-service secondary school teachers of English to instructional processes, strategies, materials, assessment practices and classroom management theory that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Emphasis is on lesson planning that utilizes questioning and discovery strategies, inductive and deductive teaching skills, process writing procedures and traditional grammar, plus oral English skills as demonstrated on a video-taped mini lesson. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.

EDU 411 Instruct Techniques -Eng FE (1 credit)
EDU 412 Instruct Techniques -Soc Stud (3 credits)
This course introduces pre-service and in-service secondary schools and classroom management techniques that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Investigations involve studies of the integration of social, economic, and political impact upon groups. Instruction is designed to explore the structure of the discipline with a focus on preparing students to be critical thinkers and citizens in a global, technological and culturally diverse world. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.

EDU 412F FE: Instru Tech-Soc Stud (0 credits)
This course introduces pre-service and in-service secondary schools and classroom management techniques that will be of practical value in the classroom. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Investigations involve studies of the integration of social, economic, and political impact upon groups. Instruction is designed to explore the structure of the discipline with a focus on preparing students to be critical thinkers and citizens in a global, technological and culturally diverse world. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
EDU 413 Instruct Tech -Soc Stud FE (1 credit)

EDU 414 Instruct Techniques -For Lang (3 credits)
This course introduces the student or teacher to the substance and strategies of proficiency-oriented second-language instruction (K-12). Students will be placed in a K-12 classroom where they will study issues related to teaching pedagogy. The course will enable the student to compose a working definition of proficiency, and explore possible approaches (instructional techniques) for attaining the goals indicated by this definition. Attention is also given to selected topics in both first and second language acquisition theory and practice. An introduction to general linguistics is helpful but not required. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Edu 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 414F FE: Instr Tech Foreign Lang (0 credits)
This course introduces the student or teacher to the substance and strategies of proficiency-oriented second-language instruction (K-12). Students will be placed in a K-12 classroom where they will study issues related to teaching pedagogy. The course will enable the student to compose a working definition of proficiency, and explore possible approaches (instructional techniques) for attaining the goals indicated by this definition. Attention is also given to selected topics in both first and second language acquisition theory and practice. An introduction to general linguistics is helpful but not required. Students will be placed in a secondary classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 157, and SPE 160 and acceptance into the Teacher Education Program.
Attributes: Undergraduate

EDU 415 Instruct Tech -For Lang FE (1 credit)

EDU 416 Instructional Techniques -Math (3 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Edu 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 416F FE: Instr Tech Mathematics (0 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.
Attributes: Undergraduate

EDU 417 Instructional Tech -Math FE (1 credit)

EDU 418 Instructional Tech -Science (3 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Edu 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 418F FE: Instruct Tech for Science (0 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.
Prerequisites: EDU 157
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Elementary Edu 4th - 8th Gr or Secondary Education.
Attributes: Undergraduate

EDU 419 Instructional Tech -Science FE (1 credit)

EDU 420 Edu & Selected Topics: Ling (3 credits)

EDU 421 Computers for Educators (3 credits)

EDU 422 Instruct Tech. for Art Edu (3 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.
Attributes: Undergraduate
EDU 422F FE: Instruct Tech for Art Edu (0 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Students will be placed in a K-12 art classroom where they will study issues related to teaching pedagogy. Prerequisites: EDU 150, EDU 151, SPE 160 and acceptance into the Teacher Education Program.

EDU 423 Art Education Pedagogy Lab (0 credits)

EDU 424 English Linguistics (3 credits)
This course is an introduction to linguistics through the lens of educational research. First, we will overview the broad field of linguistics. Then, we will focus on an analysis of recent research in discourse analysis and explore particular contexts of discourse such as legal fields, family interactions, the workplace, and the classroom. Special attention will be given to language classroom discourse. We will focus on substantive issues addressed by the research and theoretical frameworks used to structure the inquiry.
Attributes: Undergraduate

EDU 468 Literature for Adolescents (3 credits)

EDU 470 Creative Expressions (3 credits)

EDU 471 Writing in the Classroom (3 credits)
A practical course in the teaching of writing across the curriculum. Practice in personal, creative, and expository writing. Methods of teaching writing and steps in the writing process (pre-writing, drafting, revising, editing, publishing) are emphasized in the course.
Restrictions: Enrollment is limited to students with a major in Elementary Educ 4th - 8th Gr.
Attributes: Undergraduate

EDU 472 Field Experience 7 ECE (1 credit)

EDU 473 Field Experience 7 4-8 (1 credit)

EDU 479 Independent Study Education (3 credits)
This course is designed to accommodate those students who have an interest in a research- or internship- worthy topic that can be examined on an independent basis. The student will work closely with a professor on an education-related topic that will require the identification of that topic, a literature review, appropriate methodology/field experience, and analysis.

EDU 490 Elementary Student Teaching (12 credits)

EDU 491 Secondary Student Teaching (12 credits)
This experience is designed as the capstone professional course for the Secondary Education Certification program; it is to be the final course taken in the educational coursework sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, each week students attend a seminar in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student will have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, using technology in the classroom, identifying instructional resources, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines.
Restrictions: Enrollment is limited to students with a major in Secondary Education.
Attributes: Undergraduate

EDU 492 ELE/SPED Student Teaching (12 credits)

EDU 495 Student Teaching ECE (12 credits)
This experience is designed as the capstone professional course for the PK-4 education major; it is to be the final course taken in the major sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, the student attends a seminar once each week in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student shall have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, the use of technology, using reading, language, and literacy skills in all classrooms, the identification of instructional resources, and the assessment of student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education
Restrictions: Enrollment is limited to students with a major in Elementary Educ Pre K -4th Gr.
Attributes: Undergraduate
EDU 496 Student Teaching 4-8 (12 credits)
This experience is designed as the capstone professional course for the 4-8 Certification program; it is to be the final course taken in the educational coursework sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, each week students attend a seminar in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student will have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, using technology in the classroom, identifying instructional resources, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education

Restrictions: Enrollment is limited to students with a major in Elementary Educ 4th - 8th Gr.
Attributes: Undergraduate

EDU 497 Student Teaching 9-12 (12 credits)
This experience is designed as the capstone professional course for the Secondary Education Certification program; it is to be the final course taken in the educational coursework sequence. The student teaching experience approximates a full-time working experience for the semester (14 weeks). In addition, each week students attend a seminar in which issues related to student teaching are studied. At the conclusion of the student teaching experience, the student will have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the educational setting, using technology in the classroom, identifying instructional resources, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education

Restrictions: Enrollment is limited to students with a major in Elementary Education.
Attributes: Undergraduate

EDU 498 Student Teaching Dual (6 credits)
This experience is designed as the capstone professional course for the Double Major (PK-4 / Special Education); it should be taken in conjunction with SPE 495. It is to be the final course taken in the major sequence. The Student Teaching experience approximates a full-time working experience for the semester (fourteen weeks) and includes experiences in both regular and special education classrooms. It includes a seminar class each week in which issues related to student teaching are studied. At the conclusion of the Student Teaching experience, the student shall have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, solving problems in the education setting, using reading, language and literacy skills in working with exceptional students, identifying instructional resources, using technology, and assessing student achievement. A maximum of one additional course may be taken during the student teaching semester. Students should apply to the Office of Student Teaching according to the application deadlines established by the Department. These deadlines are more than one semester in advance of student teaching. See Education Department home page at for on-line application and guidelines. http://www.sju.edu/academics/education

Co-requisite: SPE 495

Restrictions: Enrollment is limited to students with a major in Elem - Special Education or Elementary Education.
Attributes: Undergraduate
EDU 500C Movement & Lrng in Classroom (3 credits)
EDU 501C School Violence:Strategies (3 credits)
EDU 502C BullyingVictimization:Causes (3 credits)
EDU 503C Co-Workers:Collabor & Teaching (3 credits)
EDU 505C Mentoring/Motivating Students (3 credits)
EDU 508C CharacterEd:InstillPositiveValu (3 credits)
EDU 510C ADHD:What Educ Need to Know (3 credits)
EDU 511C BloomBrainTheory:Effect Quest (3 credits)
EDU 512C Building a Classroom Community (3 credits)
EDU 513C Strat in Classroom Mgt (3 credits)
EDU 514C HlthyConflictResol:Strategy (3 credits)
EDU 516C Meeting Needs:Differ Instruct (3 credits)
EDU 520C Drug Awariness/ Identity (3 credits)
EDU 524C Inclusion:Accepting Diversity (3 credits)
EDU 526C Psych Disorder in Classroom (3 credits)
EDU 529C Helping Children Cope:Stress (3 credits)
EDU 531C Violence in the Media (3 credits)
EDU 532C Teaching:21st Cent Classroom (3 credits)
EDU 533C K-8 Sci:Tchng for Motiv Undstn (3 credits)
EDU 534C Conflict Resol:Coll of Collab (3 credits)
EDU 535C Using Tech Effect in Classroom (3 credits)
EDU 545L Prac Issues Sec Teach Lab (0 credits)
EDU 550 Hist & Contemp Perspect Educ (3 credits)
EDU 555 Foundations of Early Childhood (3 credits)

This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models. Enrollment in Field Experience (EDU 551F) is required with this course.

Restrictions: Enrollment is limited to Graduate level students.

EDU 552 FE:Hist & Contemp Perspect Edu (1 credit)
EDU 553 FE: Psychology of Teaching (1 credit)
EDU 5557F Adolescent Psychology (3 credits)

This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment at the secondary level. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models.

Restrictions: Enrollment is limited to Graduate level students.

EDU 555 FE: Found. of Early Childhood (1 credit)
EDU 557 Adoles. Psychology (0 credits)

This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment at the secondary level. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models.

Restrictions: Enrollment is limited to Graduate level students.

EDU 558 FE: Middle Level Development (1 credit)
EDU 560 Using Tech for Instru & Assses (3 credits)
EDU 570 Education Independen Study (3 credits)
EDU 600 Educ Lead Research&Ref Plct (3 credits)
EDU 601 Field Experience Cert I (1 credit)
EDU 602 Certification Lab II (1 credit)
EDU 603 Elementary Pedagogy Lab (1 credit)
EDU 605 Critical Contemp Educ. Issues (3 credits)
EDU 606 Math in Elementary School (3 credits)
EDU 607 Social Studies in Elem School (3 credits)
EDU 608 Science In Elementary School (3 credits)
EDU 610 Instruct Techniques - English (3 credits)

Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student's area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 610F) is required with this course. Prerequisite: EDU 557/557F.

Restrictions: Enrollment is limited to Graduate level students.

EDU 551 FE:Psych Teach:Develop Perspec (0 credits)

This course introduces theoretical models of instructional design, student motivation, classroom management, and assessment. Attention is directed to instructional objectives; to lesson formats; to motivational strategies; to classroom discipline; to teacher attitudes and expectations; and tests and measurements. Particular attention is given to recent developments in schema theory and to constructivist models. Enrollment in Field Experience (EDU 551F) is required with this course.

Restrictions: Enrollment is limited to Graduate level students.
EDU 610F FE: Instruct Techniques - Engl (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student's area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 610F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 611 Instruct Techniques - Eng Lab (1 credit)

EDU 612 Instruct Techniques - Soc Stud (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 612F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 612F FE: Instruct Tech-Soc Studies (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 612F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 613 Instruct Tech - Soc Stud Lab (1 credit)

EDU 614 Instruct Techniques - For Lang (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 614F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 614F Instruct Techniques - For Lang (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 614F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 615 Instruct Tech - For Lang Lab (1 credit)

EDU 616 Instruct Techniques - Math (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 616F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 616F FE: Instruct Techniques - Math (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 616F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 617 Instruct Techniques - Math Lab (1 credit)

EDU 618 Instruct Techniques - Science (3 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 618F) is required with this course. Prerequisite: EDU 557/557F.
Prerequisites: EDU 4105 or EDU 653
Restrictions: Enrollment is limited to Graduate level students.

EDU 618F FE: Instruct Techniques - Sci (0 credits)
Intensive study and practice of teaching modalities and classroom management strategies appropriate for a secondary classroom. The study of curriculum resources in the student’s area of certification is included. Topics in the course include instructional management, student motivation, the implications of learning theory for classrooms, and the procedures for the measurement of student achievement. Students are expected to demonstrate proficiency in these skills for successful completion of the course. Enrollment in Field Experience (EDU 618F) is required with this course. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 619 Instruct Techniques - Sci Lab (1 credit)

EDU 620 Multimedia Production (3 credits)

EDU 621 Computers for Educators (3 credits)

EDU 622 Instructional Tech in Art Ed (3 credits)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Enrollment in Field Experience (EDU 622F) is required with this course.
Restrictions: Enrollment is limited to Graduate level students.
EDU 622F FE: Instructional Tech -Art Ed (1 credit)
This course is designed to introduce pre-service teachers of Art to instructional processes, teaching strategies, materials, lesson planning, assessment practices, and classroom management theory that will be of practical value in the classroom. Enrollment in Field Experience (EDU 622F) is required with this course.

EDU 623 Instruct Tech in Art Ed Lab (1 credit)

EDU 625 Theory & Prac in Second Teach (3 credits)
This course studies the content and methods for teaching the five PA certification disciplines: English, Foreign Language, Mathematics, Science, and Citizenship. National, state, and local standards are examined, which students consider in relation to curriculum design and pedagogy. Backward Design, a method for developing lessons and units, provides a common organizing framework that fosters good teaching. For part of the course, students study within their own discipline, interacting with texts that discuss curriculum frameworks, the planning of lessons and units, pedagogical content knowledge, and assessment. Ten models of teaching that are applicable to all disciplines are explored in detail. As students develop units of study, they gain practice in using these models and the Backward Design method.

Restrictions: Enrollment is limited to Graduate level students.

EDU 625F FE: Theory & Prac Second Teach (0 credits)
This course studies the content and methods for teaching the five PA certification disciplines: English, Foreign Language, Mathematics, Science, and Citizenship. National, state, and local standards are examined, which students consider in relation to curriculum design and pedagogy. Backward Design, a method for developing lessons and units, provides a common organizing framework that fosters good teaching. For part of the course, students study within their own discipline, interacting with texts that discuss curriculum frameworks, the planning of lessons and units, pedagogical content knowledge, and assessment. Ten models of teaching that are applicable to all disciplines are explored in detail. As students develop units of study, they gain practice in using these models and the Backward Design method.

Restrictions: Enrollment is limited to Graduate level students.

EDU 627F FE:Theory&PractSecTch Math/Sci (0 credits)
This course studies the content and methods for teaching the PA certification disciplines: Mathematics, Science. National, state, and local standards are examined, which students consider in relation to curriculum design and pedagogy. Backward Design, a method for developing lessons and units, provides a common organizing framework that fosters good teaching. For part of the course, students study within their own discipline, interacting with texts that discuss curriculum frameworks, the planning of lessons and units, pedagogical content knowledge, and assessment. Ten models of teaching that are applicable to all disciplines are explored in detail. As students develop units of study, they gain practice in using these models and the Backward Design method.

Restrictions: Enrollment is limited to Graduate level students.

EDU 630 Early Literacy & Numeracy (3 credits)

EDU 631 Assessment & Evaluation (3 credits)

EDU 632 Reading Literature I (3 credits)
This course provides students with the opportunity to investigate the various theoretical models of the reading process. Students investigate the various factors which impact upon successful reading performance. Students begin to investigate the use of literature, specifically fiction, nonfiction, poetry, picture books, and fantasy selections in the development of instructional practices in the primary grades. Included in this course is an investigation of the use of Basals as literature. In addition, students study the use of reading strategies to be used for teaching reading in the content areas. Enrollment in Field Experience (EDU 632F) is required with this course. Prerequisite: EDU 551.
Prerequisites: (EDU 4035 or EDU 4035 Placement Score with a score of 1) or EDU 551
Restrictions: Enrollment is limited to Graduate level students.

EDU 632F FE Reading/Literature I (0 credits)
This course provides students with the opportunity to investigate the various theoretical models of the reading process. Students investigate the various factors which impact upon successful reading performance. Students begin to investigate the use of literature, specifically fiction, nonfiction, poetry, picture books, and fantasy selections in the development of instructional practices in the primary grades. Included in this course is an investigation of the use of Basals as literature. In addition, students study the use of reading strategies to be used for teaching reading in the content areas. Enrollment in Field Experience (EDU 632F) is required with this course. Prerequisite: EDU 551.

EDU 633 FE: Assessment & Evaluation (1 credit)

EDU 634 FE: Reading Literature I (1 credit)

EDU 635 Networks: Config & Implement (3 credits)

EDU 640 Reading Literature II (3 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of Multicultural Literature and the Writing Process. Enrollment in Field Experience (EDU 640F) is required with this course. Prerequisite: EDU 632.
Prerequisites: EDU 632
Restrictions: Enrollment is limited to Graduate level students.
EDU 640F FE: Reading Literature II (0 credits)
The course provides students with the opportunity to continue their investigation of the use of literature as central to the development of successful reading. Students are involved in extensive analysis of a wide range of literature for young people. Students continue to investigate the use of instructional reading models to critique strategies related to the use of fiction, nonfiction, poetry, picture books, and fantasy selections. Included in this course is an investigation of Multicultural Literature and the Writing Process. Enrollment in Field Experience (EDU 640F) is required with this course. Prerequisite: EDU 632.
Restrictions: Enrollment is limited to Graduate level students.

EDU 641 Social Motor Development (3 credits)

EDU 644 Socio-Emotion & Motor Develop (3 credits)

EDU 645 Trauma:Infancy & Early Child (3 credits)

EDU 646 Language and Culture (3 credits)
This course introduces candidates to key theories, issues, and research-based practices related to serving culturally and linguistically diverse students (Pre-K-12), with a special focus on students who are commonly referred to as English language learners (ELLs). Candidates will explore the many dimensions of culture and language. They will also learn how to align the PA Language Proficiency Standards with the PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, video recordings, library and online research, and a field experience in a culturally and linguistically diverse classroom will engage candidates in the course topics.
Restrictions: Enrollment is limited to Graduate level students.

EDU 646F FE: Language and Culture (0 credits)
This course introduces candidates to key theories, issues, and research-based practices related to serving culturally and linguistically diverse students (Pre-K-12), with a special focus on students who are commonly referred to as English language learners (ELLs). Candidates will explore the many dimensions of culture and language. They will also learn how to align the PA Language Proficiency Standards with the PA academic standards to plan instruction in a culturally and linguistically diverse setting. Assigned readings, class discussions, video recordings, library and online research, and a field experience in a culturally and linguistically diverse classroom will engage candidates in the course topics.
Restrictions: Enrollment is limited to Graduate level students.

EDU 647 Literacy & Learn Across Curric (3 credits)
The teaching of reading in various fields in middle and secondary schools will be the focus of this course. Topics examined will include reading in the school programs, problems in curricular materials, meeting individual needs, general and specific reading/study skills, critical reading, and adjustment of instruction to meet individual learning styles. Special focus on the use of audiovisual materials in the classroom is a core component of the course. Restricted to students in Level I Secondary Certification programs. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 647F FE: Literacy/Lrng Across Curric (0 credits)
The teaching of reading in various fields in middle and secondary schools will be the focus of this course. Topics examined will include reading in the school programs, problems in curricular materials, meeting individual needs, general and specific reading/study skills, critical reading, and adjustment of instruction to meet individual learning styles. Special focus on the use of audiovisual materials in the classroom is a core component of the course. Restricted to students in Level I Secondary Certification programs. Prerequisite: EDU 557/557F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 650 Assessment of Young Children (3 credits)

EDU 651 Trauma:Infancy & Early Child (3 credits)

EDU 652 Trauma Princ Infant&EarlyChild (3 credits)

EDU 653 Literacy in the Content Areas (3 credits)

EDU 654 Literacy, Language and Culture (3 credits)

EDU 655 FE: Social Studies Methods (1 credit)

EDU 656 FE: Liter/Soc Studies Meth 4-8 (1 credit)

EDU 657 Enhance Trauma Prin.Child/Infan (3 credits)

EDU 660 Science Methods ECE (3 credits)

EDU 661 Math & Technology ECE (3 credits)

EDU 662 Science & Math Methods 4-8 (3 credits)

EDU 663 Science Methods PK - 4 (3 credits)
This course is designed to provide students with the opportunity to investigate the philosophy, curriculum planning and organization, skill development, content knowledge, and instructional approaches relevant to teaching elementary school science.
Restrictions: Enrollment is limited to Graduate level students.

EDU 663F FE: Science Methods PK - 4 (0 credits)
This course is designed to provide students with the opportunity to investigate the philosophy, curriculum planning and organization, skill development, content knowledge, and instructional approaches relevant to teaching elementary school science. Prerequisite: EDU 551/551F.
Restrictions: Enrollment is limited to Graduate level students.
EDU 664 FE: Science Methods ECE (1 credit)

EDU 665 Interscip Teach Math, Sci&Tech (3 credits)
This is a course in elementary level science and math teaching methods. Students will be exposed to the current academic stands for math, science, technology, and engineering standards using the Pennsylvania Standards Aligned System (PA SAS) as well as the PA Common Core Mathematics Standards (PA CCCMS). It is designed to take students’ thinking beyond the facts and tools of science and mathematics to the level of the underlying ideas that expose their relatedness. Thinking conceptually about science and mathematics means thinking in terms of unifying scientific ideas or mathematical constructs that have the potential to produce sharable tools and understandings. In addition, the course will address the role that technology tools are playing in children’ math and science education. Prerequisite: EDU 551/551F.
Restrictions: Enrollment is limited to Graduate level students.
Attributes: Field Experience

EDU 665F FE:Inter:Teach Math, Sci Tech (0 credits)
This is a course in elementary level science and math teaching methods. Students will be exposed to the current academic stands for math, science, technology, and engineering standards using the Pennsylvania Standards Aligned System (PA SAS) as well as the PA Common Core Mathematics Standards (PA CCCMS). It is designed to take students’ thinking beyond the facts and tools of science and mathematics to the level of the underlying ideas that expose their relatedness. Thinking conceptually about science and mathematics means thinking in terms of unifying scientific ideas or mathematical constructs that have the potential to produce sharable tools and understandings. In addition, the course will address the role that technology tools are playing in children’ math and science education. Prerequisite: EDU 551/551F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 667 Teach Soc Stud Thru Arts PK-4 (3 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 551/551F.
Restrictions: Enrollment is limited to Graduate level students.

EDU 667F FE:Teach Soc Stud Thru ArtPK-4 (0 credits)
The purpose of this course is to connect theory and practice in the teaching of elementary school social studies. Strategies for planning, implementing, and evaluating social studies instruction are designed with a focus on preparing children to be critical thinkers and young citizens in a global, technological and culturally diverse world. Prerequisite: EDU 551/551F.

EDU 668 Literature for Adolescents (3 credits)

EDU 670 Creative Expressions (3 credits)

EDU 671 Writing in the Classroom (3 credits)
This course introduces theories and practices of writing instruction, with a specific emphasis on writing process pedagogy. Candidates will experiment with writing across genres, and will learn how to use mentor texts, develop mini-lessons, create workshop classrooms, and develop assessment tools. Candidates will be able to concentrate on specific student populations based on their certification.
Restrictions: Enrollment is limited to Graduate level students.

EDU 672 Field Experience 7 ECE (1 credit)

EDU 673 Field Experience 7 4-8 (1 credit)

EDU 679 Directed Research I (3 credits)
These directed experiences (students may do a maximum of 3) provide an opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.
Restrictions: Enrollment is limited to Graduate level students.

EDU 680 Directed Research II (3 credits)
These directed experiences (students may do a maximum of 3) provide an opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.
Restrictions: Enrollment is limited to Graduate level students.

EDU 681 Directed Research III (3 credits)
These directed experiences (students may do a maximum of 3) provide an opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.
Restrictions: Enrollment is limited to Graduate level students.

EDU 682 Social Studies in Elem School (3 credits)

EDU 683 Science in Elementary School (3 credits)

EDU 690 Elementary Student Teaching (6 credits)

EDU 691 Secondary Student Teaching (6 credits)
Student or Intern teaching (or individually designed field experience) under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for the certification student. The fieldwork experience approximates a full-time working/teaching experience for one full semester. At the conclusion of the experience students must have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, using reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, the identification of instructional resources, and the assessment of student achievement. The fieldwork course is typically the final course in a certification sequence. Students should apply to the Director of Student Teaching based on the application deadlines established by the Department. Includes a weekly seminar.
Restrictions: Enrollment is limited to Graduate level students.
EDU 692 Elem/Sped Student Teaching (6 credits)

EDU 695 PK-4 Student Teaching (6 credits)
Student or Intern teaching (or individually designed field experience) under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for the certification student. The fieldwork experience approximates a full-time working/teaching experience for one full semester. At the conclusion of the experience students must have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, using reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, the identification of instructional resources, and the assessment of student achievement. The fieldwork course is typically the final course in a certification sequence. Students should apply to the Coordinator of Student Teaching based on the application deadlines established by the Department. Includes a weekly seminar.

Restrictions: Enrollment is limited to Graduate level students.

EDU 696 4-8 Student Teaching (6 credits)
Student or Intern teaching (or individually designed field experience) under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for the certification student. The fieldwork experience approximates a full-time working/teaching experience for one full semester. At the conclusion of the experience students must have demonstrated proficiencies in instructional management, student motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, using reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, the identification of instructional resources, and the assessment of student achievement. The fieldwork course is typically the final course in a certification sequence. Students should apply to the Coordinator of Student Teaching based on the application deadlines established by the Department. Includes a weekly seminar.

Restrictions: Enrollment is limited to Graduate level students.

EDU 697 Secondary Student Teaching (6 credits)

EDU 700 Psychology of Literacy (3 credits)
Designed to provide educators with an understanding of the psychological basis of literacy acquisition and development. Emphasis will be placed upon interactive models of the reading process and their implications for classroom instruction. The role of language, cognition, information processing, affective factors and measurement in reading will be examined in detail.

Restrictions: Enrollment is limited to Graduate level students.

EDU 701 Assess & Instr in Liter K-3 (3 credits)
This course provides in-depth study of students’ literacy development in grades K-3. A range of formal and informal assessments will be used to examine children’s early language and literacy development, including phonemic awareness, concepts of print, word recognition strategies, and comprehension abilities. This information will be used to make informed decisions about literacy instruction.

Restrictions: Enrollment is limited to Graduate level students.

EDU 702 Assess & Instr in Liter 4-12 (3 credits)
This course provides in-depth study of student’s literacy development in grades 4-12. A range of formal and informal assessments will be used to examine children’s literacy abilities; a focus of the course is understanding and enhancing growth in areas of selecting and applying comprehension strategies and reading texts critically. Assessments will be used to make informed decisions about literacy instruction.

Prerequisite: EDU 701
Restrictions: Enrollment is limited to Graduate level students.

EDU 703 Literacy Research (3 credits)
This course is designed to enable students to read and react critically to current research in the field of literacy. Emphasis will include an examination of the nature of educational research and the use and misuse of statistical analyses and interpretations of data. Students will complete a modified literature review of a specific topic to inform their own research agenda.

Prerequisites: three reading specialist courses.
Restrictions: Enrollment is limited to Graduate level students.

EDU 704 Plng & Org a Literacy Program (3 credits)
The study of the reading program (K-12) is central to this course which utilizes the concept of communication as a unifying theme. Aspects of the planning and organizing of the literacy curriculum are examined. Emphasis is placed on the role of the reading specialist in developing, coordinating, and administering a literacy program.

Students will assess the strengths and needs of a school’s literacy program and make recommendations for improvement.

Prerequisites: three reading specialist courses.
Restrictions: Enrollment is limited to Graduate level students.

EDU 705 Literacy Practicum (6 credits)
During this practical experience, students work intensively with pupils who have reading difficulties in their school setting. Under the guidance of a supervisor, graduate students will conduct assessments and draw from these data to inform their instruction. Each student will be expected to develop a case study on at least one student during the practicum experience.

Prerequisites: EDU 700, 701, 702.
Restrictions: Enrollment is limited to Graduate level students.

EDU 706 Socio Cult Aspects of Literacy (3 credits)
This course is based on theoretical frameworks relating literacy learning to the various contexts which lead learners to socially and culturally different ways of making sense and being in the world. It examines multiple views of language, literacy, and literacy development. Students explore the factors that impact literacy learning across different cultural communities. They also explore issues of race, class, and culture on language and literacy acquisition and development.

Restrictions: Enrollment is limited to Graduate level students.

EDU 707 Internship for ESL & Literacy (1 credit)
This practicum course is required for all students in the Five Year Program. Students work in schools under the supervision of a cooperating Reading Specialist. Course goals include understanding the roles and responsibilities of the Reading Specialist, instructing and assessing children with a variety of literacy abilities, and interfacing with parents, teachers, and administrators to serve the literacy needs of children in particular school communities.

Restrictions: Enrollment is limited to Graduate level students.
EDU 708 Multicultural Lit for Children (3 credits)
This course addresses literature that reflects the lifestyles, heritage, and values of the various cultures that make up the pluralistic American society. Students will examine various genres of multicultural literature, including folktales, realistic fiction, historical fiction, non-fiction, and poetry.
Restrictions: Enrollment is limited to Graduate level students.

EDU 710 English Linguistics (3 credits)
This course is an introduction to the study of language and principles of linguistics. The main areas of linguistics to be explored include: phonetics, phonology, morphology, syntax, semantics, sociolinguistics, pragmatics, second language acquisition, pedagogy, and applied linguistics. *While this course does not satisfy specific PDE standards for the ESL Specialist Program, we feel it is essential for all teachers who will be working with English language learners.
Restrictions: Enrollment is limited to Graduate level students.

EDU 711 Language and Culture (3 credits)

EDU 712 Topics in Language Acquisition (3 credits)
The course examines the processes of language acquisition, especially the process of learning a second or additional language, from various theoretical perspectives. Emphasis will be given to the learning environments, the characteristics of interaction and participation and contexts that facilitate second language acquisition. Additionally, the course will explore linguistic factors and processes in second language acquisition (SLA) and examine the structure of learner language.
Prerequisite: EDU 646
Restrictions: Enrollment is limited to Graduate level students.

EDU 713 Method Teach English Sec Lang (3 credits)
This course examines various approaches, methods, and techniques for teaching and assessing English language learners in bilingual and ESL classrooms, as well as assisting ESL students in the regular classrooms. Candidates explore the curriculum, instruction, and teaching materials to maximize opportunities for ESL learners to use the language, to learn about the language, and to learn through the language. Lab experience enables students to apply their pedagogical knowledge and skills in working with the ESL learners (prerequisites: EDU646, EDU710, EDU712).
Prerequisites: EDU 712
Restrictions: Enrollment is limited to Graduate level students.

EDU 714F FE: Meth Teach English Sec Lang (0 credits)
This course examines various approaches, methods, and techniques for teaching and assessing English language learners in bilingual and ESL classrooms, as well as assisting ESL students in the regular classrooms. Candidates explore the curriculum, instruction, and teaching materials to maximize opportunities for ESL learners to use the language, to learn about the language, and to learn through the language. Lab experience enables students to apply their pedagogical knowledge and skills in working with the ESL learners (prerequisites: EDU646, EDU710, EDU712).
Restrictions: Enrollment is limited to Graduate level students.

EDU 714 Intnshp-ESL/Bilingual Prog (4 credits)
This course introduces students to the roles and responsibilities of the ESL/Bilingual teacher through a school-based internship. Interns spend 30 hours in the company of expert ESL/Bilingual educators in school settings. Students will gain expertise in working with groups of students, interfacing with teachers and caregivers, and examining programs that serve emergent bilingual students in grades PK-12. Emphasis will be on program design and implementation guided by the English language development standards (ELDS), including assessing students’ language capacities, designing programs to fit a variety of language needs, working with teachers and other school professionals to serve emergent bilinguals, and organizing programs to enhance caregiver collaboration.
Prerequisites: EDU712, EDU713, & EDU646
Restrictions: Enrollment is limited to Graduate level students.

EDU 716 Cultural Diversity in Classrooms (3 credits)
This course is designed to promote the exploration of issues of cultural diversity in American Education in preparation for the changing needs of society. Specific emphasis will be placed upon the role of literature as a springboard for discussion an integration of diversity issues into the curriculum. Students will also investigate current research investigating diversity in schools.
Restrictions: Enrollment is limited to Graduate level students.

EDU 769 Advanced Fieldwork in Literacy (6 credits)
EDUCATION LEADERSHIP (EDL)

EDL 570 Educational Leader Indep Study (1-3 credits)

EDL 591 Tech Applications for Classroom (3 credits)
This course will introduce students to the role that technology plays in a learning environment, the impact it has on student motivation, and how it can enhance the overall learning experience for 21st century learners. Students will explore and evaluate the use of basic software applications, multimedia tools, and Web 2.0 tools. An emphasis will be placed on the use of instructional theories and teaching models associated with using technology to create higher order thinking and learning environments for all students. Students will demonstrate proficiency in a wide range of technologies and apply the framework of technological pedagogical content knowledge (TPACK) to enhance technology integration in the classroom.

EDL 592 Interactive & Emerging Tech (3 credits)
This course identifies and describes tools that promote the design and delivery of instruction, including application software that facilitates interaction among instructors, learners and content. Additionally, it will explore the potential instructional and learning affordances of new internet technologies and the ways in which they might be used to promote communication and collaboration and to support authentic learning environments. Topics covered will include presentation software, web authoring and Web 2.0 tools, online communities, and the social implications of using such tools in the learning environment.

EDL 593 Multimedia Classrooms (3 credits)
Students demonstrate proficiency in the development of multimedia and will develop instructionally effective multimedia products. They will be exposed to and utilize basic computer hardware and software and techniques found in multimedia production. They will utilize object-based and pixel-based graphics software to create and edit instructional images. They will plan, produce and edit a digital video and audio sequence to be used as part of a multimedia production.

EDL 594 Tech Planning Classroom Tchr (3 credits)
Students formulate a systematic process for the identification, selection, use, and evaluation of technology within the curriculum. Students will create technology plan projects for the classroom, building, district, regional levels and/or industry. Consideration will be given to a number of issues which affect the procurement and use of technology in schools and/or industry. Students will also choose a specific technology in which they will develop expertise for use in curriculum planning.

EDL 595 Delivering Curr Inter Periphls (3 credits)
Students will develop knowledge and skill in the area of delivering instruction using current peripherals such as iPads, Smart Boards, and Classroom Performance Systems. Students will develop unit plans with regard to integrating Assistive Technology devices and adaptations for English Language Learners. The student’s school district curriculum will drive the choice of tools.

EDL 600 EdLeaderResrch&ReflectPract (3 credits)
This course will focus on contemporary educational practices. Introduction to qualitative and quantitative approaches from different theoretical perspectives will be presented. Content will include literature reviews and analysis and implications of existing research as connected to students’ educational experience. The role of the educational leader as reflective practitioner will be connected to educational research.

Restrictions: Enrollment is limited to Doctoral or Graduate level students.

EDL 605 Critical Contemp Ed Issues (3 credits)
Current educational problems, trends and issues will be identified and addressed, especially as they relate to the different constituencies, organization and structure of both public and private schools, as well as to American society as a whole. Issues include, but are not restricted to: equal educational opportunity, educational choice and multicultural education. Emphasis will be placed on the values associated with the issues treated.

Restrictions: Enrollment is limited to Graduate level students.

EDL 610 Promo Comm, Collab&Acc Com Res (3 credits)
EDL 615 Comparative Education (3 credits)
EDL 620 School Pol:Inclusion-Desegreg (3 credits)
EDL 625 Restorative Justice & Education (3 credits)
EDL 655 Interpersonal Relations (3 credits)
A study of the dynamics of interpersonal, intragroup, and intergroup relations. Emphasis will be placed on the teaching/learning process as well as the counselor/client relationship. A variety of instructional approaches, including lectures, discussions, and group activities will be utilized to develop interpersonal skills.

Restrictions: Enrollment is limited to Graduate level students.

EDL 660 Measurement & Evaluation (3 credits)
This course provides a detailed examination of the use of a variety of outcome measures and techniques to evaluate school programs and to assess the attainment of instruction/student achievement at several levels of education. Outcome assessment is discussed at the individual and school district level. Particular attention will be paid to sound design of assessment programs, technological advancements in measurement, and appropriate interpretations of educational research.

Restrictions: Enrollment is limited to Graduate level students.

EDL 665 Administration Planned Change (3 credits)
This course examines organizations as a set of subsystems that are both related to and dependent upon one another. Administration theory and various components of administration are reviewed, including management, decision-making, communications, organizational development, and change processes. The human aspect of organizations is analyzed, particularly individual and group behavior, human relations, intergroup dynamics, personal motivation, and conflict. A case study approach is used to enable students to apply textbook theories to real-life situations. The course is designed especially for educators seeking to enhance their understanding of administrative systems as complex human enterprises.

Restrictions: Enrollment is limited to Graduate level students.

EDL 670 Human Resource Development (3 credits)
This course will include a detailed examination of the theoretical underpinnings of supervision and educational leadership. Topics include leadership styles, supervision as developing human resources, change agency with adult professionals, adult development and learning theory, leadership in the instructional setting, instructional and staff improvement, and intergroup relations in the school environment.

Restrictions: Enrollment is limited to Graduate level students.

EDL 675 Curriculum Develop & Practice (3 credits)
This course is designed to include the theories of curriculum, instruction, and the design of instructional systems. Emphasis will be placed on the translation of theory into practice. The use of evaluative techniques in the evolution and reform of instructional systems will be examined in detail. Focus on curriculum implementation in public and private schools will be emphasized.

Restrictions: Enrollment is limited to Graduate level students.
EDL 685 Seminar in Admin of Curriculum (3 credits)
This course focuses on the goal-setting, decision-making and policy determination roles of the supervisor or administrator in the system-wide planning and implementation of curricular design. Emphases will include the organization of the instructional delivery system, its decision-making processes, and the communication techniques that may be most effective within it. Special attention will also be given to managing and developing the teaching-learning process and identifying differing philosophies of teaching.
Restrictions: Enrollment is limited to Graduate level students.

EDL 690 Managing Financial Resources (3 credits)
The state of the American educational scene from the point of view of the economist is examined. The changing financial realities facing schools are explored, especially as they relate to the effective and efficient management of the school's fiscal and material resources. The reciprocal influences of the city and the school, with its specific governance structure and focus of control, on one another are addressed. The management principles and managerial problems of the educational sector are studied in the context of changing philosophies of management and the spread of collective bargaining. Budgeting methods and plant maintenance are considered.
Restrictions: Enrollment is limited to Graduate level students.

EDL 695 Advanced Fieldwork/Seminar I (3 credits)
This is a combined seminar/internship experience. Students will complete a full program of field-based instruction focused on their particular area of supervisory or administrative certification. Students will be assigned school-based positions designed to orient them to the functioning of supervisors or administrators in their area of certification. Programs will be individually designed to meet Departmental and Commonwealth standards.
Restrictions: Enrollment is limited to Graduate level students.

EDL 696 Advanced Fieldwork/Seminar II (3 credits)
This is a combined seminar/internship experience. Students will complete a full program of field-based instruction focused on their particular area of supervisory or administrative certification. Students will be assigned school-based positions designed to orient them to the functioning of supervisors or administrators in their area of certification. Programs will be individually designed to meet Departmental and Commonwealth standards.
Prerequisites: EDU 4595 or EDL 695
Restrictions: Enrollment is limited to Graduate level students.

EDL 697 Advanced Fieldwork/Seminar III (2 credits)
This is a combined seminar/internship experience. Students will complete a full program of field-based instruction focused on their particular area of supervisory or administrative certification. Students will be assigned school-based positions designed to orient them to the functioning of supervisors or administrators in their area of certification. Programs will be individually designed to meet Departmental and Commonwealth standards.
Prerequisites: EDU 4596 or EDL 696
Restrictions: Enrollment is limited to Graduate level students.

EDL 780 Policy & Community Relations (3 credits)
This course is an analysis of the forces, factors, agencies, formal government systems, and informal subsystems that influence educational policy in local districts, state governments, and national governments, and their effect on school management. The course focus will be on the knowledge and skills an educational leader needs to think and plan strategically, create an organizational vision around personalized student success, become grounded in standards-based systems theory and design, and be able to transfer knowledge to the leader's job as an architect of standards-based reform in the school.
Restrictions: Enrollment is limited to students with a major in Superintendent Ltr - Eligib. Enrollment is limited to Graduate level students.

EDL 785 Ed Planning & Evaluation (3 credits)
This course is an examination of planning and evaluation strategies characteristic of educational institutions. Students will be exposed to a broad range of information used by educational leaders to make sound decisions in the planning and evaluation of educational programs. The course focus will be on standards-based systems theory and design and the transfer of this knowledge to the leader's job as an architect of standards-based reform in the school. In addition, information will be provided on how to access and use appropriate data to inform decision-making at all levels of the system.
Restrictions: Enrollment is limited to students with a major in Superintendent Ltr - Eligib. Enrollment is limited to Graduate level students.

EDL 790 Managing Ed Environments (3 credits)
This course will be structured to provide cohort members with the theory and techniques essential for the management of educational facilities. Leadership requirements are emphasized and applied to planning and construction of new buildings; renovations to existing structures; and the utilization, operation, and maintenance of facilities. The course focus will be on the knowledge and skills an educational leader needs to think and plan strategically, create an organizational vision around personalized student success, and know how to access and use appropriate data to inform decision-making at all levels of the system.
Restrictions: Enrollment is limited to students with a major in Superintendent Ltr - Eligib. Enrollment is limited to Graduate level students.

EDL 795 Superintendent Fieldwork (3 credits)
An individualized, culminating internship is required to obtain a Letter of Eligibility. This internship shall take place in a school district under the joint supervision of Saint Joseph's University and a school superintendent to verify and record the ability of the intern to perform in eight major task areas.
Restrictions: Enrollment is limited to students with a major in Superintendent Ltr - Eligib. Enrollment is limited to Graduate level students.

EDL 800 Professional Seminar (3 credits)
This course introduces the Cohort members to one another, to the faculty, to IDEPEL, the program format and expectations, and to an overview of the body of knowledge to be studied in both the professional strand and the applied research strand. In addition, an introduction to leadership theory and its application is presented.
Restrictions: Enrollment is limited to Doctoral level students.
EDL 805 Principles Quant Research (3 credits)
This course provides detailed examinations of the use of a variety of quantitative measures and techniques. Cohort members gain a functional familiarity with the evaluation of quantitative research reports, research design, methods of data collection, statistical analysis of data, interpretation of data, and the reporting of research findings.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 810 Quant Research Design (3 credits)
This course continues the development of Cohort members’ understanding of the methods and techniques of quantitative research. The central focus of the course is the opportunity for Cohort members to design, implement, and assess quantitative research within an authentic educational context.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 815 Social Change Culture & Ed (3 credits)
This course examines the dynamics of social, cultural, and educational change within the 21st century context; and, promotes the development of scholar-practitioner leaders who demonstrate depth of understanding related to change, systems thinking, and leadership within their current and future contexts.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 820 Ethics in Ed Leadership (3 credits)
This course examines core ethical issues involved in educational leadership. The following are representative of the issues to be discussed: education as a basic right; educational financing mechanisms; school vouchers; employee rights to collective representation, privacy, and due process before termination; downsizing; academic freedom; curricular content/multiculturalism; affirmative action hiring; sexual harassment; student privacy; student freedom of speech.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 825 Fiscal Resources (3 credits)
This course provides a general instruction to the financial management practices and problems of nonprofit organizations, including colleges and schools. Specific topics will include fund accounting, preparation and interpretation of financial statements, financial analysis and cost accounting, budgeting, cost containment and retrenchment, and strategic planning. Special emphasis will be placed on providing studies and practice in labor relations and negotiations.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 830 Contemporary Curriculum (3 credits)
This course enables Cohort members to develop the knowledge of curriculum theory, design, delivery, and evaluation of instruction and learning outcomes, the ability to conceptualize and communicate the total educational program to all constituents, and the commitment to meet the needs of all constituents.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 835 Principles Qual Research (3 credits)
This course provides detailed examinations of the use of a variety of qualitative methods and techniques. Cohort members gain a functional familiarity with the evaluation of qualitative research reports, research design, information gathering methods, analysis, interpretation, and reporting of research findings.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 840 Qualitative Research Design (3 credits)
This course continues the development of Cohort members’ understanding of the methods and techniques of qualitative research. The central focus of the course is the opportunity for Cohort members to design, implement, and assess qualitative research within an authentic educational context.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 845 Policy & School Law (3 credits)
This course provides an analysis of the forces, factors, agencies, formal government systems and informal subsystems that influence educational policy in local districts and state and national governments and their effect on the school environment.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 850 Educational Environment (3 credits)
This course is structured to provide Cohort members with the theory and techniques essential for management of educational facilities. Leadership requirements are emphasized and applied to planning and construction of new buildings, renovations to existing structures, and utilization, operation and maintenance of facilities.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 855 Human Resource Management (3 credits)
This course studies human resource development and management in a postmodern age in which there has been growing consensus among educators that traditional programs for teacher development are ineffective. Alternatives are explored, especially the concept of professional learning communities and more growth centered approaches to teacher supervision and evaluation. The dimensions of leadership necessary for more transformative approaches to professional development are also examined.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 860 Ed Planning & Evaluation (3 credits)
This course examines planning and evaluation strategies characteristics of educational institutions. Cohort members access the scope of information needed by institutional leaders to plan and engage in decision-making. Didactic materials and case studies explore knowledge creation and use, program reviews, outcome studies, evaluation policy and strategies, and the political content of evaluation.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 865 Communication & Public Relations (3 credits)
This course provides an analysis and development of the communications and public relations skills needed by educators in dealing with both internal and external constituencies. Special emphasis will be placed on the studies and practice in educational institutions.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 870 Diss Sem & Proposal Writing (3 credits)
This course provides an analysis and development of the communications and public relations skills needed by educators in dealing with both internal and external constituencies. Special emphasis will be placed on the studies and practice in educational institutions.
Restrictions: Enrollment is limited to Doctoral level students.

EDL 875 Administer Dynamic Institution (3 credits)
This course explores and contrasts the major conceptual models that describe the structure, organization and administrative processes employed in educational institutions. Topics include governance and management models, decision-making and conflict resolution, communication, motivation and the process of change.
Restrictions: Enrollment is limited to Doctoral level students.
EDL 880 Dissertation Writing Seminar I (3 credits)

EDL 893 Dissertation Study (12 credits)
This course provides time for Cohort members to conduct the necessary research and analysis in order to complete their dissertation. In the course, Cohort members conduct and analyze their research, and report their findings in a properly formatted dissertation. In addition, Cohort members prepare for the defense of their dissertation.

Restrictions: Enrollment is limited to Doctoral level students.

EDL 894 Dissertation Study (0 credits)
This course provides time for Cohort members to conduct the necessary research and analysis in order to complete their dissertation. In the course, Cohort members conduct and analyze their research, and report their findings in a properly formatted dissertation. In addition, Cohort members prepare for the defense of their dissertation.

Restrictions: Enrollment is limited to Doctoral level students.

EDL 899 Dissertation Study (0 credits)
This course provides time for Cohort members to conduct the necessary research and analysis in order to complete their dissertation. In the course, Cohort members conduct and analyze their research, and report their findings in a properly formatted dissertation. In addition, Cohort members prepare for the defense of their dissertation.

Restrictions: Enrollment is limited to Doctoral level students.
ENGLISH (ENG)

ENG N001 Non-Credit English Special Top (1 credit)
ENG N002 Non-Credit Pres & Writ Skills (1 credit)
ENG N003 Business Writing (1 credit)
ENG N004 Non-Credit - Writing Workshop (1 credit)
ENG N005 Non-Credit-Eff Comm Skills (1 credit)
ENG N006 Non-Credit:Public Speaking (1 credit)
ENG N007 Non-Cred:Com Mess Multime Mkting (1 credit)
ENG N008 Non-Cre Rep Labor Fict & Film (1 credit)
ENG 100 Communication Skills (3 credits)
ENG 101 Craft of Language (3 credits)
A study of the use and power of words including poetic terms and of how words are best put together in an essay. This is mainly a writing course, and literary form will be used as a means to teach writing. The emphasis will be on expository prose. Required of all students except those qualifying for Advanced Placement. GEP Variable Course.
Attributes: Undergraduate

ENG 102 Texts & Contexts (3 credits)
A course in the reading of key literary texts in both the British and American traditions. Students will examine a representative sampling of texts in detail, with guided instruction in writing personal, critical, and creative responses to them. Required of all students except those transfer students who have taken an equivalent course elsewhere. GEP Signature Course.
Prerequisites: ENG 101 or ENG 111 or ENG 1015
Attributes: Signature Course (New GEP), Undergraduate

ENG 103 Communication Skills (3 credits)
Fundamental principles of clear and effective writing: selection, organization, development, expression. Elementary instruction and practice in narrative, descriptive, and expository prose. For students who have lower than a B in transfer credits for ENG 101 or equivalent or who would like additional writing instruction before going on to more advanced writing courses. Principles and practice of both written and oral expression as they are related to the effective selection, organization, and development of ideas. Attention will be given to several modes of writing and speaking, with special emphasis on the expository and the argumentative. Students will study composing as a continuous process—brainstorming, rough drafts, several revisions, the finished product. Available only to students enrolled in the PLSC or HDC programs
Restrictions: Enrollment is limited to PLSC/HDC level students.
Attributes: Undergraduate

ENG 110 Exposition/Argumentation (3 credits)
ENG 112 Research-Based Writing (3 credits)
ENG 113 Literature & Composition (3 credits)
Introduction to fiction, drama, and poetry with frequent theme assignments, critical in nature and coordinated with readings in major literary genres. Prerequisites: ENG 101 or ENG 111. Signature Course. Available only to students enrolled in the PLSC or HDC programs
Prerequisites: ENG 101 or ENG 111 or ENG 112
Restrictions: Enrollment is limited to PLSC/HDC level students.
Attributes: Undergraduate

ENG 140 Adult Learning Seminar (3 credits)
In this seminar, adult learners will study the idea of work through reading fiction and nonfiction on jobs, employment, and careers. Students will read stories about work and write narratives of work histories that will provide the context and experience for the course. In the second part of the course, students will reflect and theorize on these histories as either empowering sources of vocation, discouraging instances of alienation, or some combination of both. In the final part of the course, students will then engage with either their own present work or future work by preparing cover letters and resumes for their future job applications and writing a significant piece of communication (business proposal, conflict resolution, grant application, etc.) within their current or prospective professional career. Available only to students enrolled in the PLSC or HDC programs
Restrictions: Enrollment is limited to PLSC/HDC level students.
Attributes: Adult Learning Seminar

ENG 150 First Year Seminar (3 credits)
The First-Year Seminar is designed to introduce students to the adventures of learning in a college context. First-Year Seminars focus in depth on a question or topic of disciplinary or interdisciplinary interest. By means of its specific focus, the seminar will explore the thinking, research, and writing practices in a particular field. Discussions based on careful reading of texts, writing assignments, both reflection and research types, and in-class student presentations will be supplemented, as appropriate, with activities including guest lecturers, museum trips, attendance at local cultural events and/or field excursions. Topics vary according to individual instructors. First year seminar.
Attributes: First-Year Seminar, Undergraduate

ENG 196 English Elective (3 credits)
ENG 201 Major American Writers (3 credits)
Study of selected works of those writers who have most influenced the continuity and development of our national literature. Among those considered may be Irving, Poe, Emerson, Fuller, Hawthorne, Stowe, Melville, Whitman, Twain, Dickinson, Chopin, Gilman, Frost, Hemingway, Faulkner, and Morrison.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 202 Global English Literature (3 credits)
This course examines English as a global literary language through works of fiction and film. Students will read works by authors who represent diverse regions of the English-speaking world beyond the United Kingdom (excluding the U.S.) that expand the English language, rethink the present-day legacy of the British Empire, and redefine conceptions of Englishness. Specific course topics and reading lists vary with each course offering. Diversity/Globalization/Non-Western overlay.
Attributes: English Area 4 - British/Irish, GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

ENG 203 The Poet's Voice (3 credits)
The primary emphasis will be on the reading of major poems in English seen as performances in language requiring close attention to the text. The historical and cultural concerns reflected will also receive attention.
Attributes: GEP Art/Literature, Undergraduate

ENG 204 Drama (3 credits)
Critical study of various forms of drama.
Prerequisites: ENG 1105 or ENG 113
Attributes: GEP Art/Literature, Undergraduate
ENG 205 Cultural Diversity (3 credits)
Specific focus of the course will depend on the instructor. Approaches to the issue of cultural diversity in literature may include the courses such as the following: American Voices; British Multiculturalism and the Booker Prize, or Multietnic Literature. Diversity Globalization/Non-Western overlay.
Prerequisites: ENG 101 or ENG 111
Attributes: Africana Studies Course, Diversity Course (New GEP), English Diversity, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 206 Public Speaking & Presentation (3 credits)
A practical course in the oral presentation of carefully crafted material. Based on principles of rhetoric, new and old, the course helps students in discovering, structuring, and expressing ideas with conviction and confidence. Some attention will be given to the appreciation of significant speech texts within these rhetorical traditions. Students will make multiple presentations and engage in peer critiques.
Attributes: English Area 1 - Writing, BUAD FBEN LEOS ILC Area Course, Undergraduate

ENG 207 Images of Women in Literature (3 credits)
Specific focus of this course will be the female character in literature and the construction of gender identity. Primarily literary and historical in approach, but may include the psychological and the mythical. Works by a variety of authors in several genres will be examined.
Attributes: English Diversity, GEP Art/Literature, Undergraduate

ENG 208 Special Topics in Literature (3 credits)
Depending on the instructor, the course will focus on a particular topic of interest in literature (e.g., American West in Imagination, Psychology and Literature).
Prerequisites: ENG 101 or ENG 111
Attributes: GEP Art/Literature, Undergraduate

ENG 209 Literature and Film (3 credits)
This course deals with film treatments of significant literary texts. Specific focus of the courses depends on the instructor (e.g., King Arthur In Literature and Film, American War Literature and Film: Vietnam to Now, Horror in Literature and Film, etc.).
Attributes: GEP Art/Literature, Undergraduate

ENG 210 The Roaring Twenties (3 credits)
Exploration of diverse writers who were part of the “make it new” challenge in the tumult of cultural change during the 1920s in America, with particular attention given to contributions by Anderson, Fitzgerald, Millay, Cummings, Parker, Hemingway, Faulkner, O’Neill, and Hughes.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 211 Black Popular Culture (3 credits)
Beginning with W. E. B. Du Bois’s 1897 essay “The Problem of Amusement” we trace the trajectory of the literary interpretations of Black popular culture in the U.S. paying particular attention to its evolution through detective fiction, graphic novels, new media, and science fiction. Likely authors include: Kyle Baker, Octavia Butler, Chester Himes, Nalo Hopkinson, Aaron McGruder, Mia McKenzie, and Walter Mosely. Diversity/Globalization/Non-Western overlay Africana Studies.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 215 Passing Narratives - Black Lit (3 credits)
Beginning with W. E. B. Du Bois’s 1897 essay “The Problem of Amusement” we trace the trajectory of the literary interpretations of Black popular culture in the U.S. paying particular attention to its evolution through detective fiction, graphic novels, new media, and science fiction. Likely authors include: Kyle Baker, Octavia Butler, Chester Himes, Nalo Hopkinson, Aaron McGruder, Mia McKenzie, and Walter Mosely. Diversity/Globalization/Non-Western overlay Africana Studies.
Prerequisites: ENG 101 or ENG 111
Attributes: American Studies Course, Diversity Course (New GEP), English Area 5 - American Lit, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 216 Re-Reading the Sixties (3 credits)
Exploration of representative texts from diverse parts of the universe-in-revision that was the 1960s—from Kubrick’s Dr. Strangelove to Vonnegut’s Slaughterhouse-Five; from Sylvia Plath’s Ariel to Dennis Hopper’s Easy Rider; from Nikki Giovanni’s poetry to Bonnie and Clyde; from Tom Wolfe’s Electric Kool-Aid Acid Test to Pynchon’s The Crying of Lot 49. We start with “Berkeley in the Sixties,” and it never ends.
Attributes: Diversity Course (New GEP), English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 217 Music & American Literature (3 credits)
This course will study the relation of words to music in several different forms: songs, musical shows, an opera, and references to music in poems and novels. It will cover mostly popular music of the twentieth century, including ragtime, blues, jazz, and rock. The class will listen to music and learn some elementary reading of music. Broader topics will involve race, ethnicity, gender, romance, and youth culture.

ENG 218 Lesbian & Gay Narrative (3 credits)
Lesbian and Gay Narrative is designed to introduce students to works by and about lesbian, gay, bisexual, transgendered and queer or questioning persons. Our survey will include works in a variety of genres: plays, novels (including one graphic novel and one bio mythography), essays and poetry. These will come from a range of historical periods.

ENG 222 SophSem:Critical App Lit Study (3 credits)
A seminar, ideally taken by English majors in the sophomore year, to explore a variety of significant texts in the British and American tradition, each to be examined from diverse critical perspectives, including (but not limited to) the following: formalist/New Critical, structuralist, New Historiastic, feminist, deconstruction/poststructuralist, Marxist, psychoanalytic, race/ethnic/postcolonial studies. Restricted to English majors and minors.
Restrictions: Enrollment is limited to students with a major in English.
Attributes: GEP Art/Literature, Undergraduate

ENG 231 Introduction to Theater (3 credits)
ENG 241 Creative Writing: Intro Workshop (3 credits)
Exploration of at least two creative genres (fiction, nonfiction, poetry, plays). For models and inspiration, students will examine selected works by contemporary creative writers in varied styles. Writing workshop format.
Attributes: English Area 1 - Writing, GEP Art/Literature, Undergraduate
ENG 266 Case Studies: PR & Advertising (3 credits)
This course introduces students to the basic strategies and techniques of public relations writing through the creation and evaluation of a variety of materials commonly used in PR. Students will gain core knowledge of the following: AP style, branding, crisis communication, social media (Facebook, Twitter, and LinkedIn), audience targeting, blogging, media kits, media tracking, fact sheets, press releases, feature articles, and brochures. Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 101 or ENG 111
Attributes: Undergraduate, Writing Intensive Course- GEP

ENG 267 Negotiations, Writing & Conflict (3 credits)
The course involves students in an eclectic writing process that includes legal research, conflict analysis and public speaking. Modeled in part upon the Harvard Negotiation Project’s Getting To Yes methodology, the course also involves newly emerging practices that challenge the notion of argument and encourage exchange between disputing parties. The thesis of the course is that, when individuals embroiled in a conflict begin to hear and understand one another’s stories, they have the option to change and to grow. Although courtrooms and trials will be examined, quite unlike a law course, the format for our class includes dramatic performance, passages from fiction and poetry as well as essays to reveal the common sense that can provide peace between warring interests. The focused goal of this sequence of readings, dramatic exercises and writing is for each student to evolve and to articulate communication strategies for crisis situations.
Prerequisites: ENG 101 or ENG 111
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 268 Persuasion/Influence in Media (3 credits)
In this course, we will examine some of the theories, concepts, and research associated with persuasion and their application for ethical and effective interaction in personal, professional and mass media settings. In addition, emphasis will be placed on social influence, compliance gaining and deception. Class activities, discussions, readings and assignments are designed to facilitate a “better understanding of how persuasion functions, an improved knowledge of ways to maximize our own persuasive efforts, and a greater ability to resist influence attempts, especially unscrupulous influence attempts, by others” (Gass, Seiter, 2007).

ENG 301 Middle English Literature (3 credits)
This course will provide an overview of Middle English literature, excluding Chaucer, by beginning with the earliest Middle English texts and ending with Sir Gawain and the Green Knight. We will focus on language, translation, and close reading to start, with the goal of arriving at a broader consideration of the Middle English literary tradition and its role in the creation of English literature as we now know it.
Attributes: English Area 2 - Medieval/Ren, English Early Lit, GEP Art/Literature, Undergraduate

ENG 302 Renaissance Non-dramatic Lit (3 credits)
A study of the drama of Tudor and Jacobean England, excluding Shakespeare. The plays of Marlowe, Jonson, Webster, and Ford and their distinctive dramatic qualities will be emphasized. Acceptable for Theatre/Drama track.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English.
Attributes: English Area 2 - Medieval/Ren, English Early Lit, English Literary Theory, GEP Art/Literature, Undergraduate

ENG 303 Renaissance Drama (3 credits)
A study of the drama of Tudor and Jacobean England, excluding Shakespeare. The plays of Marlowe, Jonson, Webster, and Ford and their distinctive dramatic qualities will be emphasized. Acceptable for Theatre/Drama track.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English.
Attributes: English Area 2 - Medieval/Ren, English Theatre/Drama, English Early Lit, GEP Art/Literature, Undergraduate

ENG 304 Eighteenth Century English Lit (3 credits)
This course deals with the literature of the Restoration and eighteenth-century, a time of intellectual, cultural, and political revolutions. Among the writers who may be studied are Behn, Dryden, Swift, Pope, Haywood, Defoe, Richardson, Fielding, Johnson, Sterne, Burney, Inchbald, and Wollstonecraft. Depending on the instructor, the course may focus on a particular genre or it may deal with a specialized topic, such as “The Rise of Gender in the Novel,” “The Idea of Authorship in the 18th Century,” or “The Satiric Mode.”
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English.
Attributes: English Area 4 - British/Irish, GEP Art/Literature, Undergraduate
ENG 307 Modernism: British & Irish Lit (3 credits)
A study of representative authors of British and Irish Modernism, including Auden, Conrad, Eliot, Forster, Joyce, Lawrence, Woolf, and Yeats. Depending on the instructor, this course may also explore works by Bowen, Ford, Lewis, Moore, O’Brien, Wilde, or other authors.
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate

ENG 310 20th Century Irish Literature (3 credits)
Investigates crucial authors and stages in the development of Irish literature in English from the period of Gregory, Joyce, O’Casey, Synge, and Yeats, through the mid-century period of Beckett, Behan, Bowen, Kavanagh, and O’Brien, to works by late twentieth-century authors (for example, Banville, Boland, Carr, Enright, Friel, and Heaney).
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate

ENG 311 Contemporary Brit & Irish Lit (3 credits)
A study of contemporary, representative British and Irish novelists, playwrights, and poets from the Thatcher era to the present.
Prerequisites: ENG 101
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 315 Literature of South Asia (3 credits)
This course examines contemporary fiction and film from the Indian subcontinent (primarily India, but with some focus on Pakistan as well). Works studied include both Anglophone texts and texts in translation read alongside major events of twentieth- and twenty-first century South Asian history, particularly Independence and Partition. Featured authors may include: Mulk Raj Anand, Saadat Hasan Manto, R.K. Narayan, Arundhati Roy, and Salman Rushdie.
Attributes: English Area 4- British/Irish, English Diversity, GEP Art/Literature, Undergraduate, Non-Western Studies (GEP), Undergraduate

ENG 317 Literature of South Africa (3 credits)
This course provides a historical view of South African literature, focusing on apartheid, its segregationist precedents, and its present-day legacies. Utilizing novels, historical and legal documents, and creative nonfiction, as well as short fiction and film, the course introduces students to the writings of South Africans who represent diverse subject positions and experiences, but who are all united in the common goal of re-examining and working through South Africa’s traumatic past. Diversity/Globalization/Non-western overlay.
Attributes: English Area 4- British/Irish, English Diversity, GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

ENG 319 Postmodernism (3 credits)
Engagement with a wide range of writers whose work represents both radical extension and rejection of the earlier modernist movement, with exploration of texts by Fowles, Barth, Barthelme, Calvino, Heller, Vonnegut, Pynchon, Smith, Eggers.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: English Area 4- British/Irish, English Area 5 - American Lit, GER Art/Literature, GEP Art/Literature, Honors Course, Undergraduate

ENG 320 Contexts of Faith in Modern Lit (3 credits)
This course examines representations of religious faith in a variety of literary genres (fiction, drama, poetry, film) from the 20th century to the present. Students will consider to what extent the texts studied reflect and develop traditional expressions of religion and the degree to which they engage readers in an evaluation of faith as a source of knowledge. Acceptable for Faith and Reason GEP requirement.
Attributes: English Area 5 - American Lit, Faith-Reason Course (New GEP), Undergraduate

ENG 321 Early American Literature (3 credits)
A study of the literary genres that emerged from the colonization of North America and the establishment of the federal republic of the United States, with a focus on the role of literature in defining American national identity. Readings will include histories, journals, sermons, poems, autobiographies, and novels by authors including John Winthrop, Anne Bradstreet, Mary Rowlandson, Benjamin Franklin, Olaudah Equiano, Nathaniel Hawthorne, Harriet Beecher Stowe, as well as explorers, Indigenous people, and other early national authors.
Attributes: English Area 5 - American Lit, English Early Lit, GEP Art/Literature, Undergraduate

ENG 322 Amer Romantic & Transcend Lit (3 credits)
An in-depth study of the writers associated with the Transcendentalism and the social reform movements they inspired, including abolition, women’s suffrage, labor reform, and projects of associated living. Authors considered include Ralph Waldo Emerson, Margaret Fuller, Frederick Douglass, Henry David Thoreau, Nathaniel Hawthorne, Herman Melville, and Walt Whitman. A variety of critical and creative writing assignments will provide opportunities for us to reflect on how matters of race, gender, class and ethnicity continue to affect perceptions of democracy today.
Attributes: American Studies Course, GEP Art/Literature, Undergraduate

ENG 323 American Literature 1865-1915 (3 credits)
A survey of American literature between the Civil War and World War I, from realism to naturalism, with consideration of such writers as Twain, Howells, James, Crane, Dickinson, Robinson, Cable, Wharton, Norris, and Dreiser.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 324 Twentieth Century American Lit (3 credits)
An exploration of a century of dramatic change in the American literary landscape—from Dreiser’s Sister Carrie to Toni Morrison’s The Bluest Eye; through poets as diverse as E. E. Cummings, Allen Ginsberg, and Rita Dove; with options that may include key work from William Faulkner, Richard Wright, Sylvia Plath, Don Delillo, and Louise Erdrich.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 325 Contemporary American Lit (3 credits)
An exploration of representative American works (creative non-fiction, fiction, poetry) from the past 25 years—including books from Jhumpa Lahiri, Joy Harjo, Tobias Wolfe, Junot Diaz, Mark Doty, Kevin Powers, David Eggers and Cheryl Strayed.
Prerequisites: ENG 101
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP
ENG 327 Southern Literature (3 credits)
An overview of Southern literature from the nineteenth century to the present, with consideration of both poetry and fiction. Selected authors may include Poe, Twain, Faulkner, Welty, Warren, Taylor, Styron, Smith, Edgerton, and McCorkle. 
Attributes: American Studies Course, English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 328 African American Literature (3 credits)
This thematic survey explores how African American authors write about what it means (and has meant) to be a Black person in the U.S. Exploring poetry, autobiography, drama, short stories, novels, essays, and films we grapple with the multifaceted experiences of "Blackness" in literary texts produced from the era of slavery to the present. Through our reading we develop an understanding of specific African American literary traditions. Diversity/Globalization/Non-western overlay. Africana Studies.
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Art/Literature, Undergraduate

ENG 329 Black Women's Literature (3 credits)
Linked by history, race, gender, and fate, but arguably little else, how do Black women writing in the U.S. write themselves into the idea of America? This course examines exclusively Black women's literature in order to answer this question. Covering a minimum of three traditional African American literary periods, students are positioned to question notions of privilege and power driven by the intersectionalities of gender and race. Diversity/Globalization/Non-western. Africana Studies.
Attributes: Diversity Course (New GEP), GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 330 Caribbean Lit in English (3 credits)
This course explores the intersectionalities of racial, ethnic, and linguistic identities within Anglophone and Francophone Caribbean literary traditions. In dialogue these literary traditions complicate a monolithic Caribbean narrative. With careful study of language, class, color, and identity we determine how authors contend with and memorialize French, British, and American imperialisms in the Caribbean. Likely authors include: Michelle Cliff, Edwidge Danticat, Merle Hodge, Thomas Glave, George Lamming, and Jamaica Kincaid. Diversity/Globalization/Non-western. Africana Studies.

ENG 331 Modern Drama (3 credits)
Major English and continental dramatists of the modern period from Ibsen to the present; a survey emphasizing not only major writers but also significant changes in dramatic form.
Attributes: GEP Art/Literature, Undergraduate

ENG 332 Playwriting (3 credits)
This course offers students the experience of creating original material for stage presentation, with particular focus on the one-act play structure and concern for character, scene, and plot development.
Attributes: English Area 1 - Writing, English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 333 Read, Write, Adapt Theatre Drama (3 credits)
Examination of the diverse functions of the dramaturge developing background perspective for bringing dramatic texts to the stage, adapting various texts for stage presentation, writing interpretive notes for staged productions. Students will adapt literary texts for Reader's Theatre performance.
Attributes: English Area 1 - Writing, English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 341 Poetry Workshop (3 credits)
Exploration of poetry by reading and writing. Each student will be responsible for creating a set of poems. Writing workshop format. 
Attributes: English Area 1 - Writing, GEP Art/Literature, Undergraduate

ENG 342 Fiction Workshop (3 credits)
Exploration of fiction by reading and writing. Each student will be responsible for creating a set of stories. Writing workshop format. 
Attributes: English Area 1 - Writing, Undergraduate

ENG 343 Nonfiction Workshop (3 credits)
Exploration of creative nonfiction by reading and writing, with particular focus on the form of the personal essay. Each student will be responsible for creating a set of essays. Writing workshop format. 
Attributes: English Area 1 - Writing, GEP Art/Literature, Undergraduate

ENG 344 Screenwriting (3 credits)
Exploration of screenwriting in a workshop format with consideration of the whole process involved in development of screen projects, including feature-length film projects. Does not fulfill GEP Art/Lit requirement. 
Attributes: English Area 1 - Writing, Undergraduate

ENG 345 Tutor Prac, Writ Cntr Thry Pr (3 credits)
This course introduces students to writing center history, theories, and practices. Readings include landmark and contemporary texts about writing pedagogy in general and the tutoring of writing specifically. Additionally, students study issues and strategies of relevance to ESL writers for whom English is not their first or home language. Students are introduced to the practices of peer tutoring through class discussions and through observation and tutoring in the University Writing Center. Upon successful completion of this course, they are eligible to be hired in subsequent semesters as writing tutors. Open to students from all majors who are interested in writing and/or the teaching of writing. Permission of instructor required. Writing Intensive. Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 101
Attributes: Undergraduate, Writing Intensive Course- GEP

ENG 346 Writing for Digital Platforms (3 credits)
This course explores the changing role and style of writing in our digital age. Students will practice multiple genres of writing across a variety of digital platforms, including journalistic writing, business writing and personal writing. Students will practice adapting and revising stories for multimodal delivery to target specific audiences while maintaining accuracy and consistency in content. Does not fulfill GEP Art/Lit requirement.

ENG 347 Feature Writing (3 credits)
At its most basic definition, feature writing is journalism that tells a story—generally, the kind of story that you don’t soon forget, that lingers for many moments, or days, or years after you first encounter it. In this course, students study outstanding examples of feature stories and multimedia feature packages. From those examples, they learn how to combine the best reporting practices with the best storytelling practices in order to produce their own powerful features that marv in-depth reporting and research with captivating and creative storytelling skills. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.
ENG 361 Mobile Journalism (3 credits)
This course examines the impact of mobile technology on news organizations around the world and the ways in which these organizations capitalize on mobile technology as a delivery platform. On a practical (and practiced) level, students spend the semester using mobile technology as journalists. They explore social media platforms of particular use to journalists as well as produce their own media content using various mobile tools. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.
Attributes: English Area 1 - Writing, Undergraduate

ENG 362 Photojournalism (3 credits)
This is an introductory course in photojournalism presented in a multimedia context. Students will be required to have access to either point-and-shoot cameras or (ideally) DSLR camera kits. The course will be taught as a hands-on workshop. Instruction will progress from basic camera operation and single image assignments to more comprehensive visual storytelling. Does not fulfill GEP Art/Lit requirement.
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 363 Sports Journalism (3 credits)
This hands-on, multimedia course covers all aspects of current sports journalism, from reporting and telling stories in print and broadcast media as well as in blogs, podcasts and social media. In addition to learning how to break news across multiple platforms, students will practice the kind of in-depth reporting and compelling storytelling that leads to profiles and full-length features. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 364 History of Journalism (3 credits)
This course surveys the history of journalism and mass media in the United States (from the colonial press to contemporary news media). Topics include the Revolutionary period; the emergence of the penny press; yellow journalism; women's stunt journalism; the African American Press; muckraking; and the evolution of "modern" mainstream journalism. Students will gain an understanding of the role of journalism in the U.S., while also becoming critical consumers of news media. Does not fulfill GEP Art/Lit requirement.

ENG 365 Multimedia Reporting (3 credits)
This course examines the defining place of writing in the directing, editing and the scripting of texts for video and cinema. To learn the many kinds of composition involved in this process, students will work to construct documentary, advertising and dramatic film productions. In this process, students will become knowledgeable of the digital cameras and editorial computer technologies involved in filmmaking; however, the writing of prose and dialogue will be the main concentration of the course.
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 370 Independent Study: Jr. Level (3 credits)
The chief purpose of the junior-level independent study project is for the student to acquire knowledge in a particular area of literature (reading and research project) or to produce a substantial piece of writing, either creative or discursive (writing project). For the reading and research project, the student will develop a course of study with the project director that may utilize audiovisual as well as printed material. In addition to a reading program, the student will write a substantial paper that develops from that reading program; the paper should use primary texts and have a textual perspective—historical, critical, aesthetic, or mythic. For the writing project, the student will develop a program of reading and writing with the project director. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field).
Attributes: GEP Art/Literature, Undergraduate

ENG 381 History of the Eng Language (3 credits)
A survey of the outer and inner history of the English language, from its Indo-European origins to its present American and worldwide use, including dialectal variations in modern American English. This course fulfills requirements within the Linguistics Major and Minor. See LIN 381.
Attributes: English Early Lit, Undergraduate

ENG 382 Lit Theo:Plato to Poststructur (3 credits)
Examination of some of the major issues in literary theory from the time of Plato to the present, including, but not limited to, the rhetorical effect of literature, the relationship between the text and the world, notions of the expressive power of literature, the formal qualities of the literary text, and poststructuralist notions of language. The course provides students with the opportunity to draw upon theory for their own literary analyses and prompts them to formulate their own theories about what literature is and does. Does not fulfill GEP Art/Lit requirement.
Attributes: English Literary Theory, GEP Art/Literature, Undergraduate

ENG 383 Seminar in Rhetorical Theory (3 credits)
Focused examination of some key factors in rhetoric over the ages: for example, invention strategies, the ethics of writing, methods of delivery. Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 2031 or ENG 2035 or ENG 382
Attributes: GEP Art/Literature, Undergraduate

ENG 384 The Essay (3 credits)
A comprehensive study of the essay form through time, with special concern for identifying forces of change upon the style and function of the essay within selected cultural contexts. Acceptable for GEP Art/Lit requirement.
Attributes: English Area 1 - Writing, GEP Art/Literature, Undergraduate

ENG 401 Chaucer & the Medieval World (3 credits)
An examination of the development of various medieval narrative forms, including the romance, and the climax of their development in the poetry of Geoffrey Chaucer. The major historical focus will be on work written in England from 1300 to 1485; there will be some continental material included.
Attributes: English Area 2 - Medieval/Ren, English Area 4 - British/Irish, English Early Lit, GEP Art/Literature, Undergraduate

ENG 402 Shakespeare: Early Works (3 credits)
Shakespeare's early plays and poems before 1601, primarily the histories and comedies. Close attention will be given to the dramatic structure in Shakespeare's plays with special emphasis on the poetic.
Attributes: English Area 2 - Medieval/Ren, English Area 3 - Shakespeare, English Area 4 - British/Irish, European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP
ENG 403 Shakespeare: Later Works (3 credits)
A reading of Shakespeare's plays from Hamlet to The Tempest. Close attention will be given to the dramatic structure in Shakespeare's plays with special emphasis on the poetic. A special study of the problem plays and the tragedies.
Prerequisites: ENG 101
Attributes: English Early Lit, European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 404 Eng.Irish, Anglophone Authors (3 credits)
An in-depth study of one to two significant authors of a particular period, the choice to be made by the instructor.
Prerequisites: ENG 101 or ENG 111
Attributes: European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 405 Henry VIII: Writing & Tyranny (3 credits)
A study of writings from and about Henry VIII and his court, with a particular focus on the controversial personalities of Thomas Wolsey, Thomas More, Thomas Cromwell, Anne Boleyn, Katherine of Aragon, and Henry himself. May include poems by Wyatt and Surrey, Cavendish's Life of Wolsey, Shakespeare and Fletcher's play Henry VIII, More's Utopia and other of his works, the second novel in Hilary Mantel's Wolf Hall series (Bring up the Bodies), and selected writings about Henry's first divorce.
Ethics Intensive overlay
Prerequisites: ENG 101
Attributes: English Area 4- British/Irish, European Studies Course, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 407 20th Century British/Irish Novel (3 credits)
A study of major developments in British and Irish fiction from World War I to the present, including Conrad, Forster, Joyce, Lawrence, Woolf, and Beckett. Depending on the instructor, this course may also explore works by Bowen, Ford, Fowles, Greene, Lewis, Moore, O'Brien, or other authors.
Attributes: English Area 4- British/Irish, GEP Art/Literature, Undergraduate

ENG 410 Irish Gothic Fiction (3 credits)
Interrogating issues of genre and historical context, this course traces the evolution of Irish gothic and ghost stories from the early nineteenth century to the present.
Attributes: English Area 4- British/Irish, English Literary Theory, GEP Art/Literature, Undergraduate

ENG 411 Black British Literature (3 credits)
This course focuses on narrative and criticism by Black British writers since the 1948 arrival of the Empire Windrush. We examine the way "Blackness" in Britain has been called upon to both unite and exclude while exploring the contested perception that Black experience in Britain should be examined solely in terms of race and identity. Likely authors include: Sam Selvon, Kwame Kwei-Armah, Jackie Kay, Andrea Levy, Caryl Phillips, and Zadie Smith. Diversity/Globalization/Non-western overlay.
Africana Studies

ENG 415 Postcolonial Studies (3 credits)
An examination of diverse literary texts, films and theoretical essays that engage the idea of "post colonialism," the circumstances and effects of one nation having sovereign power over another. We will emphasize works with a relationship to the British Empire (e.g., Forster, Conrad, Rushdie, Collins, Dickens, Joyce, Winterson), but we will not be limited to this particular historical context.
Diversity/Globalization/Non-western overlay
Attributes: Africana Studies Course, GEP Art/Literature, Globalization Course (New GEP), Undergraduate, Writing Intensive Course- GEP

ENG 416 Rebellious Women Writers (3 credits)
This course explores how British and American women of the late seventeenth to early twentieth centuries used writing to rebel against the status quo. We will examine both the historical circumstances in which women found themselves and the literary production that resulted. We will examine a wide variety of women's texts—narrative fictions, poetry, political polemics, conduct books, letters, autobiographies, social theories, sermons, and protest leaflets—and we will discuss the effects of these different responses to women's plight. We will look closely at the influences that British and American writers exerted upon one another.
Diversity
Attributes: Diversity Course (New GEP), English Area 4- British/Irish, English Early Lit, English Diversity, GEP Art/Literature, Undergraduate

ENG 417 Post-Soul Black Literature (3 credits)
An in-depth study of one or two significant American authors, the choice to be made by the instructor.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 420 American Authors (3 credits)
An in-depth study of one to two significant American authors, the choice to be made by the instructor.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 421 American Novel, 19th 20th Cent (3 credits)
A study of the evolution of the novel in America; may include novels by Cooper, Hawthorne, Melville, Twain, Chesnutt, Wharton, James, Hemingway, Pynchon, Bellow, Updike, Kesey, Tan, Silko, or others depending on the instructor.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 422 American Poetry, 19th & 20th Cent. (3 credits)
An analytical study of poetic development, with emphasis on Romantic and modern theory and practice. Among those studied: Poe, Whitman, Dickinson, Stevens, and Frost.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 423 Amer. Poetry, 19th & 20th Cent. (3 credits)
An exploration of the American poetry scene, from the 1950s to the present, including representative works from a number of movements: the Beats, the Confessionals, the Black Arts movement, women's poetry, the New York School, deep image poetry, and most recently, Language Poetry and New Formalism. The course is writing-intensive, with a student response journal and various assignments—including creative imitations, an explication, an analytical essay, and a review of a poetry collection.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 424 Contemporary American Poetry (3 credits)
An exploration of the American poetry scene, from the 1950s to the present, including representative works from a number of movements: the Beats, the Confessionals, the Black Arts movement, women's poetry, the New York School, deep image poetry, and most recently, Language Poetry and New Formalism. The course is writing-intensive, with a student response journal and various assignments—including creative imitations, an explication, an analytical essay, and a review of a poetry collection.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 425 American Drama (3 credits)
A critical study of selected plays. The emphasis will be on the works of O'Neill, Wilder, Williams, Miller, MacLeish, and Albee. Acceptable for Theatre/Drama track.
Attributes: English Area 5 - American Lit, English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 426 Nature Writing in America (3 credits)
Examination of the literary treatment of nature in American culture, from Thoreau's Walden through the environmentalist writers of the contemporary period.
Prerequisites: ENG 101
Attributes: English Area 1 - Writing, English Area 5 - American Lit, Undergraduate, Writing Intensive Course- GEP
ENG 427 The Harlem Renaissance (3 credits)
Black artists in Harlem (and other densely populated urban areas) produced a significant collection of work remarkable for its breadth and complexity during the anachronistically named Harlem Renaissance (1922-1941). This course explores that creative explosion in an attempt to develop a comprehensive understanding of what propelled the movement and why the Harlem Renaissance continues to be so influential in Black literature and culture today. ENG 215, 328, or 329 recommended. Diversity/Globalization/Non-western overlay. Africana Studies.
Prerequisites: ENG 101 or ENG 111
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 428 The Beat Rebellion (3 credits)
A study of writers in the 1950s and early 1960s whose work reflected rebellion with regard to social and cultural norms.
Attributes: English Area 5 - American Lit, GEP Art/Literature, Undergraduate

ENG 429 Reading/Writing Civil Rights Move (3 credits)
Consideration of how writing—speeches, poetry, fiction, and autobiography—both responded to and documented the Civil Rights movement and how writing was used to shape a social change agenda—with a close look at the rhetorical strategies involved in a wide range of texts; authors will include Martin Luther King, Jr., Malcolm X, Maya Angelou, James Baldwin, Taylor Branch, John Steinbeck, Alice Walker, and Eudora Welty. Diversity/Globalization/Non-western overlay.
Attributes: Diversity Course (New GEP), English Area 1 - Writing, English Area 5 - American Lit, English Diversity, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 431 Special Topics in Theater (3 credits)
Course content to be determined by instructor.
Attributes: English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 432 Theater Performance Practicum (3 credits)
Rehearsal and performance of a campus production (produced by the Cap and Bells Dramatic Society and directed by a faculty director) with the student in the role of actor or stage manager. Comprehensive study of the rehearsal and performance processes which culminates in the writing of a final research paper of ten pages in length. In order to register for this course, the production must be the third campus production in which the student has served as cast member or stage manager. Instructor approval required.
Attributes: English Theatre/Drama, GEP Art/Literature, Undergraduate

ENG 433 Writing and Environment Justice (3 credits)
In this course, students will engage in writing projects based on a specialized area of study (e.g., Writing and Faith, Running to Write).
Prerequisites: ENG 101 or ENG 111
Attributes: Diversity Course (New GEP), English Area 1 - Writing, Undergraduate, Writing Intensive Course- GEP

ENG 434 Writing through Race, Class, Gender (3 credits)
Through critical readings in autobiography and creative writing exercises, an exploration of the forces brought to bear on production of texts by race and gender experience. Diversity. Acceptable for GEP Art/Lit requirement. Writing Intensive overlay.
Attributes: Africana Studies Course, Diversity Course (New GEP), English Area 1 - Writing, English Diversity, GEP Art/Literature, Undergraduate

ENG 446 Writing the Grant Proposal (3 credits)
This course introduces students to the grant-making process from initial research to the submission of a final proposal. Students will first work together to consult for a single non-profit, while learning about the components of a strong grant proposal and the grant-making process overall. Then, each student will be paired with a local nonprofit organization, as volunteer consultants for that organization. Students will work with their nonprofit organization to identify a new or existing project that needs funding. They will then take what they learn in class about the grant-making process and apply it to meet the needs of their nonprofit “client,” with the ultimate goal of producing a complete grant proposal that can be submitted to funder.
Attributes: English Area 1 - Writing, Undergraduate

ENG 450 Hospital Stories (3 credits)
In this course, students explore how race, class, gender, and sexuality are depicted through the writing of caregivers, medical professionals, and patients in essays, memoirs, and creative nonfiction. The course focuses on how cultural difference affects access to medical care and perceptions of the female body. Other possible topics include mental illness and AIDS/HIV. Acceptable for GEP Art/Lit requirement.
Prerequisites: ENG 101
Attributes: Diversity Course (New GEP), English Area 1 - Writing, English Diversity, GER Art/Literature, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

ENG 452 Writing and Reading Animals (3 credits)
This hybrid literature and writing course considers the representation of animals in a range of texts and explores how the depiction of animals as companions, gods, guides, objects, heroes, or monsters reflects changes in relationships between humans and nature. Students will also use the literary forms we study (fiction, nonfiction, and poetry) to reflect on their own experiences with animals (pets, animals in captivity or in the wild, and in books and films). Acceptable for GEP Art/Lit requirement, Writing Intensive overlay.

ENG 460 Magazine Writing (3 credits)
In this course, students gain practice developing story ideas, pitching articles, writing to word-count, and abiding by AP style. The course also examines a variety of glossies plus online magazines in order for students to stay current with changing journalistic practices. Does not fulfill GEP Art/Lit requirement.
ENG 461 Food Writing (3 credits)
This class explores the political, spiritual, and economic aspects of eating and offers students the chance to practice writing about food in different modes, from restaurant reviews to blog posts to personal essays. Does not fulfill GEP Art/Lit requirement.
Attributes: Undergraduate

ENG 462 Travel Writing (3 credits)
This course explores the elements of crafting narratives about journeys. Using students' previous experiences of travel (and current experiences when applicable), students explore the elements of creative nonfiction writing. Students complete a variety of writing exercises, including a detailed travel journal, and other exercises on detail and description. After the exercises, students will write longer narratives that may include a profile of a person or place, a reflective memoir, and an essay about some aspect of another culture's cuisine or cultural differences. Acceptable for GEP Art/Lit requirement.
Prerequisites: ENG 2041 or ENG 261
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 463 Literary Journalism (3 credits)
This reading-intensive course provides an historical overview of a genre most often referred to as "literary journalism," once called "new journalism," and now sometimes dubbed "new journalism" or "immersion journalism." Students may read works by writers such as Nellie Bly, Stephen Crane, John Hersey, Joan Didion, Truman Capote, Tom Wolfe, Hunter S. Thompson, Ted Konover, Sonia Nazario, Adrian Nicole LeBlanc, and Susan Orlean, among others. In addition to their literary consumption and interrogation of the field, students will produce several short exercises in the style of the genre and one final project. Does not fulfill GEP Art/Lit requirement.

ENG 465 Special Topics in Journalism (3 credits)
Focus on a particular issue in journalism, examination of some trend, or consideration of selected columnists/distinctive voices in journalism. Prerequisite: ENG 261: Introduction to Reporting & Writing, or permission of instructor. Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 101 or ENG 111
Attributes: English Area 1 - Writing, English Journalism Track, Undergraduate

ENG 466 Journalism & Entrepreneurship (3 credits)
This course prepares and inspires students to approach journalism from the start-up perspective. The theories and practices of entrepreneurial journalism will be studied and simulated, with a special emphasis on new venture creation, cutting-edge business strategy and state-of-the-art storytelling techniques. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.

ENG 467 Ethics in Journalism (3 credits)
At a time when the news media's role in society, its accepted practices and its storytelling tools and platforms are all undergoing radical transformations, adhering to ethical standards is more important than ever for veteran and aspiring journalists. This course examines and challenges those ethics, their significance in the public sphere and the principles and theories serving as their foundation. Students should have taken ENG 261 or have prior journalism experience before enrolling in this course. Does not fulfill GEP Art/Lit requirement.

ENG 468 Global Journalism (3 credits)
This course explores the growing influence and impact of international journalism from native and non-native perspectives. The history and current state of foreign correspondence and war reporting will also be studied, along with the challenges and opportunities of practicing journalism in various parts of the world. Does not fulfill GEP Art/Lit requirement.

ENG 469 The Art of Editing (3 credits)
This course will introduce students to three basic levels of editing: substantive editing, copyediting, and proofreading. The course may include guest editor presentations as well as intensive review of grammar and writing skills and an introduction to copyediting marks. Finally, students will try on the multi-faceted roles of an editor—and experience the challenges of balancing aesthetic and pragmatic concerns—through several major writing and editing projects, including one multi-media project. Does not fulfill GEP Art/Lit requirement.
Attributes: Undergraduate

ENG 470 Independent Study:Senior Level (3 credits)
The senior-level independent study is for students to engage in faculty mentored research and writing. Students will develop a course of study with the faculty mentor that results in a substantial piece of scholarship, creative writing, or journalism. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field).
Attributes: GEP Art/Literature, Undergraduate

ENG 481 Literary Forms & Styles (3 credits)
Specific focus of the course will depend on the instructor. Approaches to the study of genres may be The Satiric Mode, The Lyric, The Short Story in America, Autobiography, The Sonnet, Science Fiction, and Books That Cook.
Prerequisites: ENG 101
Attributes: English Literary Theory, GEP Art/Literature, Globalization Course (New GEP), Undergraduate, Writing Intensive Course- GEP

ENG 482 Literature & Culture (3 credits)
Specific focus of the course will depend on the instructor. Approaches to considering the relationship between literature and culture may be Three Catholic Southern Writers: Dubus, O'Connor, Percy; The Mythic Imagination; Death, Mourning and Consolation; Representing the Irish Troubles; and Religion in Nineteenth-Century British Poetry.
Prerequisites: PHL 154
Attributes: Africana Studies Course, GEP Art/Literature, Undergraduate

ENG 483 Seminar in Narrative Form (3 credits)
Drawing on both fictional and theoretical texts, the course explores how narrative attempts to give meaning and coherence to experience and how readers process narrative. Literary texts include linear and non-linear narratives and range from early modern to postmodern texts. Theoretical perspectives include structuralist, poststructuralist, and feminist. Acceptable for GEP Art/Lit requirement.
Prerequisites: ENG 101
Attributes: English Literary Theory, GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP
ENG 484 Spec Topics in Critical Theory (3 credits)
This course provides an intense focus on a particular area of contemporary literary theory. Depending on the instructor, the course may cover major theoretical movements (e.g., feminist theory, deconstruction, new historicism) or concentrate on certain major figures (e.g., Bakhtin, Derrida, Cixous, Foucault). Does not fulfill GEP Art/Lit requirement.
Prerequisites: ENG 101
Attributes: English Literary Theory, Undergraduate, Writing Intensive Course- GEP

ENG 485 Nature Writing in America (3 credits)

ENG 490 Journalism Internship (3 credits)
The primary purpose of this internship is to introduce a student to journalism experience at a media outlet. In addition to helping students enhance their journalism skills, that experience should also help them to develop their understanding of the journalist's role in society. Students will normally work from ten to fifteen hours per week at an appropriate site and will meet with their English-department mentor regularly during the semester. Students will maintain a portfolio of work completed, keep a journal or field notes of their working experience, secure an assessment of their work performance from a supervisor, and submit a final reflection essay and an updated resume that includes the internship experience. Restricted to English majors and journalism minors.
Attributes: English Area 1 - Writing, English Journalism Track

ENG 491 Independent Study: Community Svc (3 credits)
The primary purpose of this independent study is to introduce a junior or senior to professional writing, editorial, and related skills in a community-service setting. Students will normally work from ten to twenty hours per week at an appropriate site and will meet with their English-department mentors regularly during the semester. Acceptable venues include nonprofit organizations, private and public schools, and other suitable sites. Students will maintain a portfolio of work completed, keep a journal or field notes of their work experiences, secure assessment from a supervisor of their work performance, and submit a final reflection and updated resume that includes the internship experience. Restricted to English majors and minors. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field), or permission of mentor and chair.
Attributes: Undergraduate

ENG 492 English Internship (3 credits)
The primary purpose of this independent study is to introduce a student to professional writing, editorial, social media management or related skills in a particular communications area. Students normally work from ten to twenty hours per week at an appropriate site and will meet with their English department mentor regularly during the semester. Acceptable venues include magazines, academic journals, publishing companies, television stations, radio stations, public relations firms and departments, advertising agencies, governmental and university departments, and other suitable sites. Students will maintain a portfolio of work completed, keep a journal or field notes of their working experience, secure assessment from a supervisor of their work performance, and submit a final reflection and updated resume that includes the internship experience. Restricted to English majors and minors. Minimum GPA of 3.0 (or cumulative average of 3.4 or higher for courses in the major field), or permission of mentor and chair.
Attributes: English Area 1 - Writing, Undergraduate

ENG 493 Indep Research Project (Fall) (3.6 credits)
Includes College Honors theses. Requirements for college honors are listed above and under 'Honors Program'.
Attributes: GEP Art/Literature, Undergraduate

ENG 494 Indep Research Project (SPR) (3 credits)
Includes College Honors theses. Requirements for college honors are listed above and under 'Honors Program'.
Attributes: GEP Art/Literature, Undergraduate

ENG 550 The Practice of Writing (3 credits)
An overview of the work of a practicing writer, with explorations of particular genres of interest to individual students in the course. Assignments may include a writer's history (autobiographical account of interest in writing) and a writer's apprenticeship (in-depth examination of a writer admired by the student).
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 560 Poetry Today (3 credits)
Exploration of the current poetry scene, particularly in America, reading collections from a wide variety of poetic schools and from the theoretical positions that inform the poems. Movements covered may include feminist and identity poetics, the New York School, poetry of witness, neo-confessional, Language Poetry, and the New Formalism. Use of imitation to experiment with difference poetic stances and styles.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 605 Readers/Writers in Victorian Age (3 credits)

ENG 610 What is an Author? (3 credits)

ENG 612 Writing from the Borders (3 credits)
This course will focus on reading and critiquing a number of important biographies, in order to see how various professional biographers have approached their task. Concomitantly, each student will be asked to choose a contemporary subject worthy of a biography (not a relative), who lives within a 50-mile radius of Philadelphia. Students will search out publications that often include biographical essays/profiles, gather detailed information about their subjects from various sources they determine to be important, and do the necessary interviews, with the aim of writing a biographical essay/profile.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 614 Lit Imagin: Arthurian Legend (3 credits)
This course focuses on reading and writing short stories with a particular focus on single-author contemporary and classic short story collections and their significance. Authors that may be considered include Atwood, Diaz, Fitzgerald, Hurston, Lahiri, Munro, Millhauser, Poe, and Twain.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.
ENG 615 Road to Revolution in 1960s (3 credits)
A study of the American cultural scene during the 1960s including how racial discrimination, gender discrimination, sexual repression and anti-war activism appeared in writing and culture. Writers may include: Jack Kerouac, Nikki Giovanni, Eldridge Cleaver, Kurt Vonnegut, Joseph Heller, Betty Freidan, and some Beat poets. Films were also consequential both in propelling and in reflecting revolutionary changes in American life through the 1960s. Several key films that may be considered include In the Heat of the Night, Bonnie and Clyde, The Graduate, Easy Rider. Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 616 Writing and Inciting (3 credits)
This course will explore how Irish novelists and short-story writers have represented "the Troubles"—a protracted period of politically motivated violence in Northern Ireland, Great Britain, and the Republic of Ireland, which began in the late 1960s and has not fully ended today. Key questions include the following: What is the role of the artist in representing politically motivated and other types of violence? Should artists offer solutions or only pose problems? What are the moral and aesthetical stakes involved in making art out of atrocity? How might studying the fiction of the Northern Irish "Troubles" provide students in the M.A. in Writing Studies with thematic, technical and ethical insights for their own artistic investigations of the many forms of violence within their own societies? Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 617 Writing and the Other Arts (3 credits)
Study of relationship between the work of writers and that produced by other kinds of creative people (in music, in architecture, in painting and drawing, in film) in order to get a full sense of any particular cultural moment (the Renaissance, the Age of Enlightenment, the Roaring 20's, the Rebellious 60's). Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 618 Idea of the Book: Codex - Hypertext (3 credits)

ENG 619 YngAdultLit ComingAgeNarrative (3 credits)
In this course we immerse ourselves in a range of contemporary literary texts written for, read by, assigned to, or kept from young adults (ages 12-18). Our goals will be to become both more familiar with the wide variety of texts geared toward adolescents and more attuned to our own experiences as readers and writers of young adult literature. At the same time, we will be attempting to think through the multiple ways in which adults (particularly parents and teachers) and adolescent readers interact with these texts and with each other. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 620 Special Topics in Lit/Culture (3 credits)
This course will consider a particular aspect of literature and culture relevant to contemporary writers. Content will vary according to the instructor. Course can be repeated when content varies. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 630 Composition Theory (3 credits)
Exploration of theories of composition, with particular emphasis on contributions to the field in the past half century. Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 635 The Writing Teacher Writing (3 credits)
Consideration of the writing that teachers can do in order to develop their approach to the teaching of writing. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 636 Writing & Empowerment (3 credits)
ENG 638 Pedagogies Old & New (3 credits)
ENG 639 Writing & Cultural Conflict (3 credits)
ENG 640 Experiments in Narrative (3 credits)
Through examination of fictional and nonfiction narratives and narrative theories, this course considers such issues as the shift from oral to print to hypertext narratives, linear and nonlinear structure, writing "taboo" subjects, and the impact of social-cultural-historical circumstances upon narrative form and function. Content varies with instructor. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 641 Rhetorical Theory: Special Topics (3 credits)
Study of select issues in the domain of rhetoric, to be determined by the instructor. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 642 Style (3 credits)

ENG 643 Special Topics in Essay (3 credits)
An exploration of a particular topic related to the essay. Topics may include women essayists, personal essays, writing and memory, or other topics. Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 646 Multi-Media Writing (3 credits)
The objective of this course is to widen our conceptions of storytelling to include sounds and images as well as words and broaden our understanding of how stories strengthen community. We will spend part of the class learning to use digital storytelling tools that the university will supply, but most of the course will be spent finding, making and critically evaluating stories. These stories will come from American Radioworks, The Moth, The BBC and other sources from around the world. wide range of considerations relative to the work of the writer presenting work through the World Wide Web. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students. Attributes: English Area 2 - Medieval/Renaissance

ENG 665 Autobiography (3 credits)
Consideration of the writing that comes directly from life experience and development of an autobiographical narrative that reflects past achievements in this genre. Can satisfy Area I. Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 668 Creative Nonfiction Workshop (3 credits)
Workshop course in creative nonfiction; several pieces of nonfiction will be prepared for submission. Can be repeated with the permission of the graduate director. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.
ENG 669 Poetry Writing Workshop (3 credits)
In-depth look into the concerns of a publishing poet. Students will hone their own work, putting together a final portfolio of polished writing, and will explore publication options including chapbooks and literary magazines. Toward this end, the class will include workshopping and one-on-one conferences with the instructor, as well as reading and responding to contemporary poetry, with attention to the practical concerns of the poet. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 670 Fiction Writing Workshop (3 credits)
Workshop method of critique, with students expected to put together a portfolio of polished short stories. Published short stories will be read as models, and there will be discussion of strategies of getting fiction published. Content varies with the instructor. Fiction-writing workshop I can be taken either before or after Fiction writing workshop II. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 671 Fiction Writing Workshop II (3 credits)
Workshop method of critique, with students expected to put together a portfolio of polished short stories or a short section of a novel or novella. Published short stories and novels will be read as models, and there will be discussion of strategies of getting fiction published in a variety of locations. Content varies with the instructor. Fiction-writing workshop II can be taken either before or after Fiction writing workshop I. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 672 Fiction Writing Workshop (3 credits)
Exploration of screening in a workshop format with consideration of the whole process involved in development of screen projects.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 673 Screenwriting Workshop (3 credits)
Exploration of screenwriting in a workshop format with consideration of the whole process involved in development of screen projects.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 675 Special Topics Writing Workshop (3 credits)
Exploration of a particular topic not covered in other writing workshops. Examples include "Playwriting," "Writing and Memory," "Writing through Race, Class, and Gender," "Food Writing," and "Nature Writing." Content varies according to instructor. Course may be repeated with permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 676 Writing for Publication (3 credits)
Successful freelance publishing begins with an awareness of what editors and their readers want. It demands knowledge of the manuscript market and familiarity with the requirements of specific publications: subject, length, organization, style. Unpublished writers can perfect their skills by analysis and imitation of authors who already write for the publications in which learners wish to appear. The course requires that assignments be composed—from the beginning—for specific publications and that completed work will be submitted for publication. Content can be fiction, nonfiction, or journalism and varies with the instructor. Can be repeated with the permission of the graduate director.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 677 Case Study: Public Relations (3 credits)
Comparative analysis of several public relations campaigns, with consideration of the rhetorical principles involved in the effort to sway public opinion.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 678 Case Study: Magazine Publishing (3 credits)
Exploration of magazine publishing, and the study of several magazines— their histories and editorial styles—with consideration for changing demographics and the practical considerations of achieving success in the magazine market. Consideration of the state of magazine publishing in both print and the web, and the development of articles from pitch to publication.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 679 Special Topics in Journalism (3 credits)
Exploration of a particular topic in journalism. May include sports journalism, literary journalism, or other topics as determined by the instructor.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 680 Writing the Grant Proposal (3 credits)
The course will explore various rhetorical strategies used to develop grant proposals and related writing such as the letter of inquiry, letter of intent, and mini-proposal. Students will examine and critique samples of actual grant-related submissions and practice developing relevant writing skills. Project budgeting will also be discussed and practiced. For their final project, students will be guided through selecting a non-profit organization; researching the organization’s history, mission, needs and other background; and creating a professional-quality grant proposal that the non-profit could choose to submit.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 682 New Media (3 credits)
Exploration of new communications media as the hypertext world expands and technology continues to make possible increased broadcast media opportunities.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 683 Editing Practicum (3 credits)
Assignment to a specific, actual editing project, with expectation that the student will engage in several editorial functions in preparing manuscripts for publication.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.
ENG 684 Health Writing (3 credits)
Are pharmaceutical makers influencing scientific research? What emerging infectious disease is likely to be the next big scare? What are the pros and cons of universal healthcare? Is chocolate really good for the heart? This course will teach students how to report and write on some of the pressing health issues of the day and encourage them to become more discerning consumers of medical news. Students will learn how to analyze research studies, conduct interviews of doctors, scientists and patients, and translate findings into lively and informative stories for the lay reader. The course will explore the connection between the environment and disease and examine trends in medicine as technology advances and funding shrinks. Students will get the latest information from guest speakers who are leaders in the fields of medical research, public relations and the media. This course will help prepare students for a career in health-related writing or sharpen their communication skills for whatever field they are pursuing.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English. Enrollment is limited to Graduate level students.

ENG 770 Directed Readings (3 credits)
ENG 771 Directed Research (3 credits)
ENG 772 Directed Writing (3 credits)
ENG 773 Directed Fieldwork (3 credits)
ENG 791 Graduate Internship (3 credits)
Students have workplace internship assignments in areas of career interest that involve writing (research, editing, writing). A component of the course will be research in the internship field, in addition to writing of various kinds about the actual internship activity, some of it done with an eye to publication. Each placement involves approximately 200 hours of work over the course of the internship, a letter from a supervisor upon completion of the internship, and a journal documenting the work of the internship.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in English or Writing Studies. Enrollment is limited to Graduate level students.

ENG 793 Thesis Project I (3,6 credits)
The thesis project can involve either an analytical study in some area covered by the program or a collection of original creative material. Each project will have a faculty director, selected by the student in consultation with the Writing Studies Program Director. For a project to be completed in one registration period, register for ENG 793 and ENG 794, 3 credits each, for a total of 6 credits. For a project to be completed in two separate registration periods, register first for ENG 793 for 3 credits, then later, for ENG 794 for the remaining 3 credits. It is recommended that each project also be read by a second reader, who will be chosen by the student and thesis director, and approved by the graduate director. At the completion of the thesis project, students will make a formal presentation of it in one of three ways: (1) A public reading of a selected portion of the project, (2) A formal defense whereby the thesis will be explained and questions about it entertained, or (3) A public reading coupled with a formal defense. The method of public presentation would be agreed upon by the student and the thesis director. The English Department will host opportunities for public readings two or three times a year (in September, December, and May) close to expected completion of degree requirements and the thesis project. Once complete, thesis projects will receive a P (pass). In progress thesis projects will be graded as Incomplete. Nota Bene: The Writing Studies diploma will not be conferred until the candidate has successfully completed the above steps, as well as submitted the thesis project in the correct format for binding. Details about the procedure for binding the thesis can be found on the Writing Studies website.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Writing Studies. Enrollment is limited to Graduate level students.

ENG 794 Thesis Project II (3 credits)
ENGLISH AS SECOND LANG (ESL)

ESL 201 Composition & Crit Thinking (3 credits)
This course provides the non-native student with the critical reading and writing skills necessary to perform well in GEP required introductory courses in English. Special emphasis is placed on analyzing both the literal and figurative levels of the language of literature and communicating these perceptions in organized, persuasive, and creative English prose. These aims encompass the writing needs of all non-native students, undergraduate and graduate.
Prerequisites: Language Placement with a score of ES201
Attributes: Undergraduate

ESL 202 Composition & Crit Thinking (3 credits)
This course provides the non-native student with practice in reading and writing critically about essays in a variety of disciplines with an emphasis on the humanities. Class discussion develops the proficiency needed to engage in and master GEP introductory courses. Current research skills are developed, which lead the student to a completed paper and its presentation. These aims encompass the writing and speaking needs of all non-native students, undergraduate and graduate.
Prerequisites: Language Placement with a score of ES202
Attributes: Undergraduate
ENVIRONMENTAL SCIENCE (ENV)

ENV 102 Environ Theory & Ethics Sem (3 credits)
An introduction to the political, economic, social, scientific, and philosophical concerns involved in environmental issues. Students will read, discuss, and write about current and controversial topics or problems integrating the aforementioned disciplines of study. A major goal of this course is to expose the students to the interdisciplinary nature of environmental science and the challenges of solving environmentally related problems. This course satisfies the Ethics Intensive Overlay.
Prerequisites: (ENV 105 or ENV 106) and PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

ENV 103 Intro to Planet Earth (3 credits)

ENV 105 The Environment (3 credits)
An examination of the fundamental themes of ecology with an emphasis on the impact of humans on their environment. Included are discussions of current interest topics such as oil spills, nuclear waste, and rain forest destruction. This course fulfills a lecture-only natural science course requirement for the GEP natural science area.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology or Physics.
Attributes: GEP Natural Science, Undergraduate

ENV 106 Exploring the Earth (4 credits)
A lab-based course that provides an overview of the functioning of the Earth. Ecology, basic biology, environmental science, and current events are used to examine the earth. Topics include natural resources, population, pollution, ecosystems, biogeochemical cycles, and biodiversity. This course satisfies the Natural Science requirement of the GEP.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

ENV 106L Exploring the Earth Laboratory (0 credits)

ENV 150 Global Change Biology (3 credits)

ENV 216 Environment and Public Health (3 credits)

ENV 270 Special Topics (3 credits)

ENV 301 Environmental Chemistry (3 credits)

ENV 302 Environmental Geology (3 credits)

ENV 390 Environmental Science Seminar (0 credits)
This series of speakers will introduce majors and minors to current environmental science research, career options and experts in relevant disciplines inside and outside of the natural sciences.
Attributes: Undergraduate

ENV 490 Environmental Sci Internship (3 credits)
The Environmental Science Internship entails spending a minimum of ten (10) hours each week in a supervised fieldwork experience or approved environmental field course. Grading is based on student reports during weekly meetings with internship instructor, preparation of an internship journal, academic papers, exams, and formal evaluation by internship supervisor. Junior and senior Environmental Science majors and Environmental Science and Studies minors only
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Environmental Science.
Attributes: Undergraduate

ENV 493 Undergraduate Research in Env (3 credits)
FAMILY BUSN & ENTREPRENEURSHIP (FBE)

FBE 150 Social Entrepreneurship (3 credits)
This course introduces students to the field of social entrepreneurship. Social entrepreneurship is the use of entrepreneurial business skills for the explicit pursuit of creating innovative solutions to social problems. In both non-profit and for-profit ventures, organizations engaged in social entrepreneurship act as agents of social change, creating large-scale social change in their communities or around the world with a heightened sense of accountability to the constituencies they serve and the outcomes created by their efforts. Topics covered will include assessment of opportunities, different business models used in the social sector, acquiring resources required for a new social venture, and measuring social impact. First Year Seminar Only
Restrictions: Enrollment limited to students with a class of Freshman.
Attributes: First-Year Seminar, Undergraduate

FBE 230 Intro:Entrepreneur/New Venture (3 credits)
This course explores the fundamental processes of entrepreneurship and new venture creation including: the development of innovative thinking, opportunity recognition, venture exploration which would ultimately lead to a new venture, and the skills that are necessary for successfully building a new venture team that possesses the appropriate attributes. The primary purpose of the course is to develop an innovative perspective, as well as an understanding of the integration of people in the entrepreneurial process. Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
Prerequisites: MGT 1011 or MGT 1015 or MGT 110 or MGT 120 or MGT 121
Attributes: Undergraduate

FBE 231 Family Business (3 credits)
This course explores the unique interpersonal and business issues associated with a family-owned and managed firm. Thus, the course is designed for those students who will be entering or establishing a family-owned business. The course will focus upon: the competitive strengths and weaknesses of a family firm; the dynamics of family interactions and the family business culture; conflict resolutions; estate planning; and planning for succession. The primary purpose of the course is to provide the tools and techniques that will provide an entrepreneur with the greatest opportunity for success within a family business framework. Prerequisites: FBE 230
Prerequisites: FBE 230
Attributes: Undergraduate

FBE 270 Spec Topics: FBE (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
Prerequisites: MGT 1011 or MGT 1015 or MGT 110 or MGT 120 or MGT 121

FBE 330 Social Enterprise & Soc Change (3 credits)
This course introduces students to the concepts of social enterprising as a means to promote social change. The course begins with a look at the ethical foundations inherent in the initiation of social change, namely moral rights and the justice perspectives on moral reasoning. The course then turns to an exploration into how social enterprising can be used as a vehicle to address injustice and promote social change. Topics in this section include recognizing opportunities for social change, planning and organizing the social venture, funding and scaling the social enterprise, and measuring social impact. Students will have the opportunity to interact with management of a social venture and apply the skills learned. Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair. PHL 154
Prerequisites: MGT 1011 or MGT 1015 or MGT 110 or MGT 120 or MGT 121 and PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

FBE 360 Bus Law-Entrepreneurial Firms (3 credits)
This course surveys and analyzes the legal issues faced by new entrepreneurs and entrepreneurial firms. The course covers issues facing the entrepreneur including: leaving your current employer, structuring the ownership of the new company, and obtaining appropriate legal, accounting and insurance advice. A number of issues facing entrepreneurial firms are covered, including: liabilities and insurance, raising capital, contracts and leases, licensing, intellectual property, human resource matters, e-commerce and the sale of goods and services, outsourcing, global entrepreneurship, changing between private and public ownership, and other relevant topics.

FBE 370 FBE Special Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

FBE 470 FBE Special Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

FBE 490 FBE Internship I (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

FBE 491 FBE Internship II (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair.
FBE 493 Family, Bus & EntrepResearch I (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

FBE 494 Family,Bus & EntrepResearch II (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.
FBE 495 Family Bus & Entrepren Capstone (3 credits)
This is a capstone course that integrates the various concepts of the core Family Business and Entrepreneurship courses to develop a comprehensive business plan to either create a new venture or to grow an existing family business. Students are responsible for assessing opportunities, collecting and interpreting relevant data to exploit the identified opportunity, and to craft a plan that supports the market need, identifies the target market, and is financially viable. Prerequisites: Capstone course in Family Business and Entrepreneurship, MGT 110 or MGT 120 or MGT 121; ACC 101 & 102; FBE 230; FBE 231; FIN 200; MKT 201; Co-requisite: FBE 360; Senior standing.
Prerequisites: (MGT 110 or MGT 120 or MGT 121 and ACC 101 and ACC 102 and FBE 231 (may be taken concurrently) and FBE 360)
Restrictions: Enrollment limited to students with a class of Senior.

FBE 545 Family Business & Global Econ (3 credits)
FBE 664 Create New & Enhance Exist Firms (3 credits)
FINANCE (FIN)

FIN N001 Non-Credit - Sales Negotiation (1 credit)
FIN N002 Non-Credit Cost Labor Contract (1 credit)
FIN 140 Personal Financial Management (3 credits)
FIN 150 Finance Adult Learning Seminar (3 credits)
FIN 200 Intro to Finance (3 credits)
This course provides a survey of financial theory and practice as it relates to the management and valuation of firms. Topics include: organizational forms, the role of capital markets, the determination of interest rates, financial statement analysis, the time value of money, stock and bond valuation, risk and return, and capital budgeting. This course is a prerequisite for all 200 to 400 level finance courses and is required for all business students. Prerequisites: ACC 101, ECN 101.

FIN 201 Markets and Institutions (3 credits)
This course covers the role and workings of financial markets: money and capital markets, mortgage markets, bond markets, stock markets, foreign exchange markets, and derivative markets. Interest rate theory and the term structure of interest rates are studied. Functions of the Federal Reserve System along with the foundations of monetary theory and policy are studied. The course also examines the management of assets and liabilities by financial institutions including commercial banks, insurance companies, mutual funds, and investment banking. Prerequisite: FIN 200.

FIN 202 Finance Practicum (1 credit)
This course enables students working in the financial industry over the course of a semester to earn one credit hour. Students are required to fulfill all job requirements and to submit an 8 – 10 page paper describing their work responsibilities and the finance-related skills they acquired. To apply, the student needs to submit a letter describing the proposed practical training opportunity; approval is at the discretion of the Finance Department chair. Prerequisite/Co-requisite: FIN 200. Student’s major must be Finance. *Does not satisfy any major or minor Finance requirement. Does not satisfy any free elective credit. Grade will be Pass/Fail. May be repeated once if the student has attained a grade of Pass in a previous semester and supervising instructor approves.

FIN 301 Investments (3 credits)
Students will learn how to: evaluate the potential risks and returns of investments and portfolios; perform fundamental equity analysis using economic, industry, and discounted cash flow analysis; value bonds; compute the price sensitivities of assets; understand diversification and the basics of portfolio asset allocation; and evaluate portfolio performance. Students are strongly urged to complete FIN 201 before taking FIN 301.

FIN 302 International Finance (3 credits)
This course focuses on the following topics: balance of payments, international flow of funds, foreign investment, governmental and international agencies, and trade theory. Prerequisites: FIN 200, DSS 210

FIN 303 Small Business Finance (3 credits)
This course focuses on critical strategic and operational issues facing a small firm: how to raise capital in non-public markets from a spectrum of sources from angel investors, private equity, and the SBA; estimating cost of capital, credit policy and terms, liquidity and liquidity management, bank relations, valuation of the business, and exit strategies. Students are required to manage online simulated competing small businesses in teams and make presentations regarding their strategies and results. Prerequisites: FIN 200, DSS 210.

FIN 304 Honors Research (3 credits)

FIN 305 Honors Research (3 credits)

FIN 370 Topics in Finance (3 credits)
This course is designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.

FIN 371 Topics in Finance (3 credits)
This course is designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.

FIN 372 Topics in Finance (3 credits)
This course is designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.
FIN 400 Mergers & Acquisitions (3 credits)
This course covers theory and evidence concerning mergers & acquisitions and corporate control. It examines the accounting and valuation aspect of mergers & acquisitions activities, the M&A process, and reviewing the relevant historical empirical evidence. Mergers and acquisitions activity is evaluated in terms of the strategic alternatives faced by the firm. Cases are used and a graded team buy and sell deal negotiation simulation is required. Prerequisites: FIN 200, FIN 300, DSS 210.

Prerequisites: (FIN 2341 or FIN 201 or FIN 2345) and FIN 1341 or FIN 200 or FIN 1345 and (FIN 2401 (may be taken concurrently) or FIN 300 (may be taken concurrently) or FIN 2405 (may be taken concurrently))

Attributes: Undergraduate

FIN 401 Student Managed Funds (3 credits)
This course provides students an opportunity to manage investments. The objective is to earn risk-adjusted returns competitive with a benchmark index. The class decides early in the semester the style of investing and chooses the appropriate index for performance evaluation. Each student is a research analyst and a sector specialist and participates in the construction of the portfolio. Each sector is represented by a sector team. Also, each student has a functional role. FIN 402 Portfolio Management is also highly recommended.

Prerequisites: FIN 301

Attributes: Undergraduate

FIN 402 Portfolio Management (3 credits)
This course covers the fundamentals of portfolio management. Topics include asset allocation, portfolio construction, performance evaluation, creating and using indexes, stock valuation models, and hedging with options and futures. Asset pricing theories, market anomalies and different styles of investing are emphasized. Market simulation and asset allocation software, databases, spreadsheet modeling and optimization programs are used. Prerequisites: FIN 200, FIN 301, DSS 210, Math ILC Requirement.

Prerequisites: FIN 200 and FIN 301 and DSS 210

Attributes: Undergraduate

FIN 403 Derivative Securities (3 credits)
This course introduces students to the mathematical formulas and techniques used to value derivative securities including options forward and futures contracts, options on futures, swaps, and interest rate derivatives. Financial engineering and controlling risk are emphasized along with lessons learned from recent derivative-related losses. Prerequisites: FIN 200, FIN 301, DSS 210, Math ILC Requirement

Prerequisites: FIN 200 and FIN 201 and FIN 301 and DSS 210

Attributes: Undergraduate

FIN 470 Topics in Real Estate Finance (3 credits)
This course is an upper division course designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.

Prerequisites: FIN 200 and DSS 210

Attributes: Undergraduate

FIN 471 Advanced Topics in Finance (3 credits)
This course is an upper division course designed to give in-depth coverage to finance subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: FIN 200, DSS 210, and additional courses as determined by the instructor.

Prerequisites: FIN 200 and DSS 210 and FIN 301

Attributes: Undergraduate

FIN 472 Finance Internship (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of a finance topic. Acceptable Independent Study topics include traditional research/reading programs, as well as rigorous pre-approved internship programs with an appropriate academic component as defined by the Department Chair. Prerequisites: FIN 200, DSS 210, at least Junior standing, and permission of the Department Chair.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance.

Attributes: Undergraduate

FIN 493 Independent Research I (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of a finance topic. Acceptable Independent Study topics include traditional research/reading programs, as well as rigorous pre-approved internship programs with an appropriate academic component as defined by the Department Chair. Prerequisites: FIN 200, DSS 210, at least Senior standing, and permit of the Department Chair.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance.

Attributes: Undergraduate

FIN 494 Independent Research II (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of a finance topic. Acceptable Independent Study topics include traditional research/reading programs, as well as rigorous pre-approved internship programs with an appropriate academic component as defined by the Department Chair. Prerequisites: FIN 200, DSS 210, at least Senior standing, and permission of the Department Chair.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance.

Attributes: Undergraduate

FIN 500 Managerial Economics (3 credits)
This course familiarizes students with the basic concepts, the language and the analytical tools of microeconomic and macroeconomic theory in order to enhance decision-making in business and finance. The course is divided into two parts. The first part focuses on the component parts of our economic system: consumers, workers, production enterprises, governments, and the interactions of these entities in markets where the prices of goods and services are determined. The second part covers aggregate economic activity and looks at the problems of inflation and unemployment. It analyzes the role of government in controlling the growth of the economy, the theory of money and banking, and the role of the Federal Reserve System.

Restrictions: Enrollment is limited to Graduate level students.

FIN 501 Economics Foundation (2 credits)
This course will familiarize the student with economic analysis: the determination of microeconomic variables, such as the price of a product with its output in individual markets and the determination of macroeconomic variables, such as GNP, the rate of inflation and the rate of unemployment.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

FIN 503 Financial Management (3 credits)
This course is an introduction to finance and lays the groundwork for future courses. Topics include the financial environment, including the role of capital markets, determination of interest rates, financial analysis, time value of money, risk and return, and valuation. Prerequisites: FIN 500, DSS 500.

Prerequisites: (FIN 500 or HSB Waiver with a score of FN500) and (DSS 500 or HSB Waiver with a score of DS500)

Restrictions: Enrollment is limited to Graduate level students.
FIN 504 Finance Foundation (2 credits)
The first course MPE 6004 builds on the material presented in the accounting module. We move from the presentation of the balance sheet, income statement, and statement of cash flows to an analytical framework of these statements employing ratios. We examine the informational content of the ratios both cross-sectionally and in the times series. In addition, we develop the common sized ratio process. We then build on this knowledge by using the ratios to project pro forma statements and examine the consequences of these projections. The module continues with an examination of the cash budgeting process, and concludes with the development of the value of money concepts. It is strongly recommended that ACC 510 be taken prior to FIN 504. Prerequisite – FIN 501.
Restrictions: Enrollment is limited to Graduate level students.

FIN 509 Curricular Practical Training (1 credit)

FIN 550 Shareholder Value Management (3 credits)
This course covers the concepts and practices of value-based financial management. Selected topics include financial analysis and forecasting, application of time value of money, valuation and stock market signals to management, introduction to risk and modern portfolio theory, capital budgeting, options, cost of capital, and capital structure. This course emphasizes value creation and the role of domestic and international financial management in facilitating this process. Prerequisites: ACC 500 and FIN 503, DSS 510. ACC 550 and DSS 560 are highly recommended for traditional MBA students.
Prerequisites: (FIN 503 or HSB Waiver with a score of FN503) and (ACC 500 or HSB Waiver with a score of AC500) and (DSS 510 or HSB Waiver with a score of DS510)
Restrictions: Enrollment is limited to Graduate level students.

FIN 551 Managerial Finance I (2 credits)
This course picks up with a review of the WACC and applies this to the capital budgeting process. In this module, cash flow projections are developed as well as initial outlay concepts. The NPV and IRR rules are developed and extended to a general decision making framework. The last section of the module focuses on the concepts of firm valuation and the effects of leverage on the organization. Prerequisite FIN 504.
Prerequisites: MPE 6004 or FIN 504 or MPE 6004 Waiver Score with a score of 1 or FIN 504 Waiver Score with a score of 1 or HSB Waiver with a score of FN504
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

FIN 552 Managerial Finance II (2 credits)

FIN 553 Managerial Finance III (2 credits)

FIN 600 Fin Institutions & Capital Mkt (3 credits)
This course is designed to expose the student to the operations of financial markets and financial institutions which exist within the U.S. financial system. Topics include the diverse financial markets, the major financial securities traded in these markets and their properties, the behavior of interest rates, key characteristics and regulations of major financial institutions, including their risk exposures and various strategies to manage these risks. Prerequisite: FIN 550.
Prerequisites: (FIN 4025 or FIN 550 or MBA 4315)
Restrictions: Enrollment is limited to Graduate level students.

FIN 601 Personal Financial Planning (3 credits)
Personal Financial Planning is designed to provide those students who will be dealing with individuals rather than a business entity as a career, an understanding of the problems and concerns that arise in an individual’s life cycle. Students will learn how to reach appropriate decisions regarding the allocations of personal wealth between current consumption and future consumption. Current consumption decisions would include discussions of metrics covering the optimal consumption pattern for major purchases, e.g. houses and automobiles, more routine purchases, such as insurance coverage. In addition, the course will examine the appropriate use of credit, either through standard loan contracts or the use of credit cards. There will also be a discussion of the existing consumer protection laws and their effect on individual consumption patterns. Future consumption allocations will include a discussion of metrics involved in reaching optimal decisions regarding long-term health care, retirement, and estate planning. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 602 Portfolio Management (3 credits)
This course covers the theory and practice of portfolio management. Topics include capital market models, risk assessment, performance evaluation, mutual funds, international diversification, and managing risk with derivative securities. Recent empirical evidence is also covered. Prerequisite: FIN 550.
Prerequisites: (FIN 4025 or FIN 550 or MBA 4315)
Restrictions: Enrollment is limited to Graduate level students.

FIN 603 Tax Plan Mgmt Decision Making (3 credits)

FIN 604 Personal Insurance Planning (3 credits)
This course covers the theory and practice of portfolio management. Topics include capital market models, risk assessment, performance evaluation, mutual funds, international diversification, and managing risk with derivative securities. Recent empirical evidence is also covered. Prerequisite: FIN 550.
Prerequisites: FIN 550 or MBA 4315
Restrictions: Enrollment is limited to Graduate level students.

FIN 605 Pensions & Benefits Admin (3 credits)
This course is intended to provide students with a basic understanding of the various pension and employee benefit plans available in the workplace. Emphasis will be placed on preparing professionals to make informed decisions about what types and designs of plans are best for their company or client and about how they can best administer their chosen benefit package. Pre-requisite: FIN 550.
Prerequisites: (FIN 550 or FIN 4025 or MBA 4315)
Restrictions: Enrollment is limited to Graduate level students.

FIN 606 Estate Planning (3 credits)
This course will begin with an overview of basic gift, estate, and generation-skipping-transfer tax law. Fundamental estate and gift areas will be covered as well as basic estate planning documents and estate devices. The student will become aware of how to apply these areas to real-life cases. The second half of the course will be a more in-depth examination of the tools and techniques of estate planning based on the transfer tax rules taught in the first half of the course. This course will cover in great detail the estate planning techniques for lifetime gifts as well as life insurance planning and estate planning for qualified plans and IRA’s . Other areas to be discussed will include ownership of family business entities and limited liability companies. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.
FIN 607 Risk Management (3 credits)
This course is designed to apply the theories and techniques taught in Finance to the complex and specific needs of managing financial risk in the financial services industry. The course will provide an overview of the banking and insurance markets and their products. In addition, several valuation and risk management tools and models designed to measure and manage equity risk, interest-rate risk, and default risk in the financial services sector of the economy will be introduced and implemented. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 608 Advanced Financial Management (3 credits)
This course covers the theory and practice associated with the management of long-term assets and long-term capital. Topics include evaluating investment opportunities, single period, multi-period, certainty, uncertainty, risk analysis, capital structure, dividend policy, cost of capital, and firm valuation. Prerequisite: FIN 550.
Restrictions: Enrollment is limited to Graduate level students.

FIN 609 International Finance (3 credits)
This course describes and analyzes the structure and function of international money and capital markets with special consideration for the economics of foreign exchange markets, export/import finance, international financial institutions, Euromarkets, alternative forms of international monetary structure and comparative financial structures. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 610 Security Analysis & Investment (3 credits)
This course examines security valuation techniques. Topics include fundamental and technical analysis of stocks, bonds, and derivative securities. Earnings estimation, as well as assessing the risk and values of individual securities, including options. Prerequisite: FIN 550.
Prerequisites: (FIN 4025 or FIN 550 or MBA 4315)
Restrictions: Enrollment is limited to Graduate level students.

FIN 611 Mergers and Acquisitions (3 credits)
This course will cover the theory and evidence concerning mergers and acquisitions and the market for corporate control. It will examine the accounting and evaluation aspect of mergers and acquisitions activities, discuss the alternative theories of mergers and acquisitions, and review the relevant empirical test. Mergers and acquisitions activity is evaluated in terms of the strategic alternatives faced by the firm. Restructuring, leveraged buyouts, share repurchases, and takeover defenses etc. are also studied not only from a Finance perspective but also from a strategic perspective. Prerequisite: FIN 550.
Prerequisites: FIN 550 or FIN 4025 or MBA 4315
Restrictions: Enrollment is limited to Graduate level students.

FIN 612 Derivative Markets (3 credits)
Derivatives are financial instruments whose returns are derived from those of other financial instruments. Derivatives can be based on real assets, such as agricultural commodities, metals, and sources of energy, or financial assets, such as stocks. This course is designed to have students learn about the characteristics of the institutions and markets where these instruments trade, the manner in which derivative prices are determined, and the strategies for the effective use of the instruments. Prerequisite: FIN 550.
Prerequisites: (MBA 4315 or FIN 550 or FIN 4025)
Restrictions: Enrollment is limited to Graduate level students.

FIN 614 Acct, Fin, & Econ Health Care (3 credits)
In this case-based course, students will improve their decision making abilities through the logical applications of accounting, financial and economic concepts of health care. Topics covered will include external financial reporting, management control decisions, cash flow management, operational budgeting and comparative analysis of various health care systems. The non-profit and international health care viewpoints will also be explored. Prerequisite: FIN 550.
Prerequisites: FIN 550 or FIN 4025 or MBA 4315
Restrictions: Enrollment is limited to Graduate level students.

FIN 620 Fin Plan Dev&Presentn Capstone (3 credits)
This course will require students to synthesize and apply elements comprehensive financial planning concepts and techniques to client circumstances. The course will require students to perform all functions of the financial planning process. This course is part of the course sequence that fulfills the education requirements to sit for the CFP certification examination and is especially beneficial for those individuals who are pursuing the CFP certification. Prerequisite: FIN 601 and FIN 605.
Prerequisites: FIN 601 and FIN 605
Restrictions: Enrollment limited to students in the MSFINS program.

FIN 624 Intro to Markets & Investments (2 credits)
The main objective of this course is to provide the student with a sound understanding of both the theory and practice associated with Investments. Topics included in this course are Financial Markets and Instruments, Risk and Return, Efficient Diversification, Capital Asset Pricing Theory, Arbitrage Pricing Theory, Performance Evaluation and Active Portfolio Management, and Efficient Markets. In addition, the course looks to improve your use of technology in an investment analysis setting by spending time in the trading room working with multiple financial data packages.

FIN 770 Special Topics in Finance (3 credits)
The topics course covers subjects of current interest in the field of finance. Specific topics will be announced in the course schedule. Prerequisite: FIN 550.
Restrictions: Enrollment is limited to Graduate level students.

FIN 773 Internship (3 credits)
FINANCIAL PLANNING (FPL)

FPL 100 Personal Financial Management (3 credits)
The Personal Financial Management course provides an overview of personal finance topics to help students set and work towards their financial goals. Unlike FPL 200, this course is designed for any student who wants to be better prepared to managing his or her own financial affairs. Note: Does not satisfy any requirements for the FIN, FPL, or RMI majors or minors.

FPL 200 Personal Financial Planning (3 credits)
Introduction to Financial Planning is the introductory course in the financial planning major and minor. The course provides an introduction to the financial planning profession, including an overview of common business models. The course introduces the student to the financial planning process of aligning goals and objectives with financial resources. The course applies the financial planning process to common financial planning goals such as college funding, purchasing a home and minimizing taxes. The course will also stress the time value of money concepts and their application to financial planning.

Attributes: Undergraduate

FPL 300 Retirement Plan (3 credits)
Retirement Planning provides an overview of the common financial goal of planning for retirement. The course includes an examination of anticipated retirement needs and potential qualified and non-qualified options that might be available. The course considers the range of public and private retirement programs available to individuals and organizations. The course also examines the additional factors that can arise for individuals while saving for retirement and during retirement. Cross-listed as FIN 605.

Prerequisites: FPL 200

Attributes: Undergraduate

FPL 301 Estate Planning (3 credits)
Estate Planning examines the purpose of estate planning and estate documents that are commonly used. The course also includes calculating wealth transfer taxes and methods for minimizing transfer taxes. Estate planning tools and techniques are also introduced such as trusts, marital and charitable deduction vehicles, intra-family business and property transfers. Cross-listed as FIN 606.

Prerequisites: FPL 200

Attributes: Undergraduate

FPL 302 Individual Taxation (3 credits)

FPL 470 Topics and Financial Planning (3 credits)
This course is an upper division course designed to give in-depth coverage to financial planning subjects that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisite: FPL 200, and additional 300-level courses as determined by the instructor.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance.

FPL 493 Independent Research I (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of a financial planning topic. Acceptable Independent Study topics include traditional research/reading programs as well as rigorous pre-approved internship programs with an appropriate academic component as defined by the Department chair. Prerequisite: FPL 200, FIN 200, DSS 210, at least Junior standing, and permission of the Department chair.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance.

Attributes: Undergraduate

FPL 494 Independent Research II (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of a financial planning topic. Acceptable Independent Study topics include traditional research/reading programs as well as rigorous pre-approved internship programs with an appropriate academic component as defined by the Department chair. Prerequisite: FPL 200, FIN 200, DSS 210, at least Junior standing, and permission of the Department chair.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Finance.

Attributes: Undergraduate

FPL 495 Financial Planning Capstone (3 credits)
The Financial Planning Capstone course requires students to synthesize and apply comprehensive financial planning concepts and techniques to simulated or actual client circumstances. The course requires students to apply and integrate financial planning concepts into a financial plan. Students also learn about effective oral and written communication when delivering financial recommendations to clients. Cross-listed as FIN 620.

Prerequisites: FPL 200 and FPL 300
FOOD MARKETING (FMK)

FMK 150 Expl Hist Cult & Future:Eating (3 credits)
This First Year Seminar course covers the importance of food to the development of civilization. The first half of the course will be devoted to the history of food, eating and its relationship to culture, from the prehistoric hunter-gatherers to the modern day fascination with all things culinary. The second half of the course will be devoted to understanding the modern food system within the developed world with particular emphasis on the thorny issues that are currently being debated: organics, buy local, genetic modification, sustainability, obesity, hunger and other topics of interest.
Attributes: First-Year Seminar, Undergraduate

FMK 202 Overview of the Globl Food Ind (3 credits)
In addition to principles of marketing, this is the foundation course for food marketing majors. The objective of the course is to familiarize students with the global food industry at all levels and in all segments. Basics of agricultural production and economics, food distribution, wholesaling and retailing, both on the retail and foodservice sides of the business, will be covered. We will also cover the critical issues impacting the industry including the decline of food at home, the growth of foodservice and the food-away-from-home market, the impact of consolidation, increasing concentration and globalization on the industry’s structure, conduct and performance.
Attributes: Undergraduate

FMK 301 Food Marketing Research (3 credits)
The food industry and the companies that make up the industry are all driven by information. This course will focus on the sources and applications of the information used to make food marketing decisions. The traditional marketing research process will be covered. Applications such as attitude research, product testing and advertising testing will be highlighted. In addition, there will be a great deal of emphasis on the methodology and application of syndicated data such as panel data, scan data, and other information products, such as geodemographic segmentation data. Prerequisite: DSS 210.
Prerequisites: DSS 210 and FMK 202 and FMK 318
Attributes: Undergraduate

FMK 302 Undrstdng Food Cust & Consumrs (3 credits)
This course will combine traditional consumer and buyer behavior theory and methods with a focus on the food industry to help students understand and predict how both household and food supply chain buyers will react to marketing and other stimuli. Concepts such as perceptions, attitudes, and individual and group behavior will be covered, with a specific focus on issues related to the marketing of products to consumers via the global food industry.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 303 Food Marketing Communication (3 credits)
Discussion of the strategy and tactical tools and techniques required to create and execute an integrated marketing communications program in the food industry. We will cover the issues and elements of advertising, sales promotion, and personal selling strategies, with primary emphasis on the advertising function. Targeting, the creative process, media options, budgeting, and evaluation of advertising will be highlighted.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 310 Brand Strategy (3 credits)
This course addresses the brand management challenge of designing and implementing the best combination of marketing variables to cant’ out a food company’s strategy in its target markets. This course presents an integrative, dynamic view of competitive brand strategy applicable to supplier, manufacturer, distributor and retailer levels in the supply chain. It focuses on understanding, developing and evaluating brand strategies that yield a distinctive competitive advantage based on customer, and competitor analysis will be presented and applied in various situations throughout the course. Topics include strategies for pioneering brands, strategies for late entry, growth strategies, strategies for mature and declining markets, and defensive marketing strategies.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 311 Food Retailing (3 credits)
Today’s food retailer faces a series of unique challenges that may be different than any other challenges that she/he have faced. This course looks at the fundamentals of food retailing together with their application(s) to the structural changes taking place in the food retailing landscape. A critical part of this course will be student teams working on a “Challenge” project with TARGET STORES on a problem/situation that TARGET STORES is facing. Cash prizes will be awarded to teams presenting the most unique and actionable solution to TARGET STORES problem/situation.
Prerequisites: (MKT 1011 or MKT 1015) or MKT 201
Attributes: Undergraduate

FMK 312 New Product Development (3 credits)
This course covers the processes and issues involved in conceiving, developing and launching new food and allied products into the retail market for both consumer and foodservice products. Topics covered include new product strategies and approaches, organizational structures, steps in the process, new product research, and creating programs to support product introduction. The course includes a semester-long project whereby student teams will research a product category, create a new product concept, and develop and present a launch program.
Prerequisites: MKT 201 or MKT 211
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Food Marketing Co-Op or Food Marketing.
Attributes: Undergraduate

FMK 313 Food Distribution & Logistics (3 credits)
This course emphasizes the efficient movement of food products from the farm to the table. This course will include discussion of the characteristics of supply chains, the concepts of efficiency in logistics, demand and inventory management and flow, transportation system management, network design and control, and performance measures and pricing decisions. All of these topics will be covered from both global and domestic retail and foodservice perspectives.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

FMK 314 International Food Marketing (3 credits)
The concepts, methods and challenges of firms doing business in international markets are discussed. Specific economic, political, legal, cultural and competitive risks are examined. The focus will be on the operation of food suppliers, manufacturers, distributors, and retailers and foodservice operators in the international marketplace. Attention focuses on the need to adapt to diverse business conditions and geographic markets.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate
FMK 315 Globalization and Food Policy (3 credits)
An examination of the global trade environment for agriculture and foodstuffs and an introduction to the numerous policy agencies overseeing food trade and food policy, such as the WTO, UN, FAO, WHO, Codex Alimentaries, EU and other governmental bodies. Attention will focus on global issues impacting the economics of the food industry including biotech crops, health claims, obesity, food bioterrorism, novel ingredients, environmental policies, corporate consolidation, food advertising, hunger, and infectious diseases such as Mad Cow and Hoof and Mouth. The course will qualify towards Faith/Justice certificate/ minor fulfillment.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 316 Selling Skills & Decision Making (3 credits)
This course focuses on providing students with the comprehensive knowledge and skill base necessary for making and executing data-based decisions and plans. Methods of critical evaluation of data needed to support marketing and customer event planning, implementation, and evaluation will be stressed. Students will use syndicated sources and commercial software to analyze and evaluate data, assemble strategies and assess outcomes for CPG and foodservice.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 317 Sales Mgt for CPG & Foodserv (3 credits)
This course studies the complex and demanding responsibilities of sales management, for both consumer packaged goods and foodservice. The course will include creation of the sales strategic plan, managing the sales force, coordination of the interface with marketing, establishing sales force objectives, forecasting, understanding customer relationships, motivating and training the sales force and the role of fact-based decision making. Topics will also include the relationship of the sales force to the chief executive officer and social, ethical and legal responsibilities of sales management.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 318 Retail Food Market Management (3 credits)
Most management decisions and strategies in food marketing today are driven by the analysis of shopper, competitive, and business data; often based on very large data sets. To prepare students to be successful in this new environment, this course will use Excel, IRI/Nielsen data sets, and other quantitative tools to work through analysis and planning at the interface between food manufacturers and food distribution channels (e.g. Grocery and Foodservice). Common food industry business practices such as category management and promotion and media optimization will be examined. There will be opportunities to add realism through the use of case studies and in-class competitions based on actual companies.
Prerequisites: FMK 202 or MKT 201

FMK 320 Foodservice Marketing (3 credits)
This course provides the food marketing student with an overview of the foodservice industry. It is an introduction into the supply chain members—suppliers, manufacturers, brokers, distributors, logistics providers, foodservice operator customers and finally the foodservice consumer in the food-away-from-home market (FAFH) market. The drivers of FAFH will be studied including consumer, demographic, organizational, culinary, and technological and their roles in foodservice marketing. In addition, the structure of the industry will be studied to understand the wide variety of operations across the commercial and non-commercial (on-site) foodservice venues and their unique marketing issues.
Prerequisites: FMK 202 or MKT 201
Attributes: Undergraduate

FMK 330 International Food Mktg Study Tour (3 credits)
Specially designed on-site tour to varying international locations which offer students a unique opportunity to experience and study the global food industry. The tour may include visits to food industry suppliers, growers, manufacturers, distributors, regulators, and retailers. Students will be introduced to the marketing and business issues of the global food industry and experience the culture and pace of the world’s major cities. The course will involve pre- and post-meetings and assignments.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate

FMK 331 On Site Food Service (3 credits)
This course provides an introduction into the roles and factors that affect the product selection, menus, operations, marketing, merchandising and promotions of on-site (non-commercial) foodservice operations. Students will develop an understanding of the decision making factors that shape the marketing strategies and tactics in each segment of the on-site foodservice. Segments reviewed in this course include schools, colleges and universities, businesses, healthcare, sports and entertainment venues, parks and recreation facilities, military, transportation, vending and corrections. In addition to class learning, students will participate in local tours of facilities to analyze and critique the similarities and differences in the operator customer strategies and marketing techniques.
Attributes: Undergraduate

FMK 332 Commercial Food Service (3 credits)
The bloomin’ onion, a “Happy Meal”, “take it up a notch”. How do all these tactics help create the marketing strategies and positions of these successful restaurants? This course will provide students in depth look at the restaurant industry—how the roles of chefs, menus, marketing strategy, positioning, themes, signature items and economics make a success or failure of a restaurant or chain. Students will review the structure, and functions of this industry and how it compares to the supermarket industry. In addition to class learning, students will participate in local tours of facilities to analyze and critique the similarities and differences in the operator customer strategies and marketing techniques.
Prerequisites: MKT 1011 or MKT 1015 or MKT 201
Attributes: Undergraduate
FMK 333 Foodserv Manufactg & Distribtn (3 credits)
This course examines the dynamics of the ever changing distribution network between a manufacturer and the food service operator. Manufacturers face the challenges of maintaining or increasing their market share against the competition and selecting the best distribution channels to get their products to the foodservice operator. Distributors’ challenges include the increased costs of operations and pressure between balancing manufacturer brands or their own private label brands and how that affects what foodservice operators and customers will buy. Students will learn what roles logistics and ordering technologies, marketing incentives, and direct or brokers sales forces play in the success of a manufacturer product as it travels through the distribution channel.
Attributes: Undergraduate

FMK 351 Food and the Poor (3 credits)
In this land of plenty, where the number two preventable cause of death is obesity (first is smoking), millions live without sufficient nourishment and in fact never have enough to eat. Students will be exploring the many sides of this complex issue. You will study both public and private efforts to reduce hunger and improve the ability of millions to get enough food. This course seeks to understand the historic roots of hunger in this nation and look at policies which have increased the size of the problem in recent years. As part of the course work you will be working with soup kitchens, federal food programs and other agencies to gain a more personal understanding of what it is to be hungry and to help, in some small way, those who are. This is a Service Learning course.
Attributes: Undergraduate

FMK 353 Transitions (3 credits)
This course is designed to allow food marketing seniors as well as fourth and fifth year coop students to make the transition from academia to careers. The class will be devoted to topics related to making a successful transition to the world of business. At the conclusion of the course students will have demonstrated proficiencies in resume development; career search procedures; communications and presentation skills (including interviewing skills); team building; expectations, performance, and process management; workplace diversity; stress, time, and change management; personal financial planning; supervisory skills; negotiations; and lifelong learning. In addition to lecture and class discussions, prospective employers will be invited to present career opportunities and critique

FMK 354 Food, Film and Culture (3 credits)
This course addresses the use of food as a metaphor in classic and recent films and examines the role of food from a cultural, historic, and economic lens. Food in film has emerged as a cinematic genre of study recognizing the symbolic role of food for emotional, political, cultural, familial, and economic issues. The course also includes an introduction to the craft of technically presenting food in film and commercial media, and consumer response to food visuals. Course mechanics include discussion, short essays, and a group presentation and report. These assignments examine the symbolic use of food in film and the commercial opportunities food presents in the various settings viewed. A true ‘foodies’ delight.

FMK 355 FMK Industry Case Challenge (3 credits)
This course will be focused on developing and presenting a marketing strategy case to compete in national food industry case competitions such as the National Grocers Association (NGA) case competition. Students will learn and practice how to integrate research, strategy, creativity, and presentation skills and outcomes directly useable in executive business situations. The course will draw material from several sources and disciplines. Graded work will be heavily weighted towards presenting components of a final case as developed during the semester. The first part of the course will be spent setting up and developing skills and then transition to working on a real case problem provided from the NGA and potentially other industry organizations. The team that goes to the NGA competition in Las Vegas will be selected from this course.

FMK 370 Digital & Social Media (3 credits)
Digital and social media represent a significant shift and change in consumer behavior, leaving marketers scrambling to take advantage of the changing environment. Consumers are spreading opinions and information about restaurants, food brands and grocery stores on sites such as Yelp, Facebook and Twitter. This course takes a broad look at digital and social media and investigates social networks, social media platforms and online advertising. A common theme throughout this course is to identify and discuss the differences between traditional and social media while highlighting the interaction and synergy between the two for key factors such as word of mouth, sales promotions and advertising. At the end of the course, students have the knowledge and insights necessary to establish key, clear marketing objectives and strategies, choose the proper social media platforms and measure the effectiveness of the online campaigns.

FMK 401 Food Marketing Strategy (3 credits)
With a focus on food and consumer products marketing, strategic concepts such as leadership, business definition, situation assessment, planning and objectives, and strategy selection and implementation will be covered, along with strategies that work in different competitive and market situations. Both the theory and application of strategic decision making will be highlighted. Prerequisites: FMK 301, 302 and 303.
Prerequisites: FMK 202 and FMK 301 and FMK 302 and FMK 303 and FMK 318
Attributes: Undergraduate

FMK 402 Future Issues in Food Mktg (3 credits)
This course will be periodically offered to cover a variety of different topics that are timely, significant or contemporary. Each time the course is offered it will focus on a different and specific food marketing topic. Examples of courses that might be offered include Marketing to Hispanic Consumers, Strategies for Marketing Nutrition and Health, and Technology and the Food Supply Chain and others that may evolve. All future issues courses can be used to satisfy a general upper division course requirement or a free elective.
Attributes: Undergraduate

FMK 403 Independent Study Food Mktg (3 credits)
This course is designed to accommodate those students who have an interest in a research-worthy topic that can be examined on an independent research basis. The student will work closely with a professor on a research area that will require the identification of a topic, a literature review, appropriate methodology, and analysis. (Chair approval required.)
The purpose of this course is to develop advanced decision making skills in the area of marketing management for the food and consumer packaged goods industry. Course materials will focus on the key concepts and techniques that are useful in appraising and prioritizing marketing activities, conducting market analyses and solving marketing problems within the broader context of firm management. Application of skills will be demonstrated through extensive case study projects and classroom discussions.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

This course will focus attention on development of food marketing strategy by taking a competitive or "warfare" approach. Specific types of strategy including offensive, defensive, and flanking will be discussed, along with the advantages and disadvantages of using each strategy. This course will be based heavily on examples of companies that have successfully, and sometimes unsuccessfully, utilized each strategy. An individual completing this course will have a more strategic perspective rather than a tactical outlook.

Restrictions: Enrollment is limited to Graduate level students.

This course is designed to help food executives understand, design, and implement effective pricing programs. It will introduce concepts and tools useful in structuring and solving food product and service pricing problems. This will include exposure to pricing optimization solutions and data driven forecasting techniques across regular and promotional prices.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

This course will explore the key initiatives for the sale and marketing strategies for private label. Topics emphasized will include building private label brand equity quality importance of private label being integrated into the category management process, pros and cons of dead net pricing, retail and vendor relationships, and how to develop a consumer loyalty program with private label.

Restrictions: Enrollment is limited to Graduate level students.

Important in positioning and segmentation research is how to deal with the strategic issues of segmenting your markets and selecting appropriate strategies for your products and services. Topics emphasized will include: how to design marketing research studies from start to finish, to segment markets and position products, and which data services will be available to segment your markets. The selection of the best analytical tools for segmentation and positioning and repositioning, and implementing the results from positioning segmentation studies will be topics that will prove quite useful to the marketing manager. Strategies for market niche entry that integrates all the elements of the marketing mix, including price, product, promotion and distribution will be discussed.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

This course is meant to be an introduction to both quantitative and qualitative research. Quantitative data analysis, concentrating on the key issues facing those new to research, such as how to decide which statistical procedure is suitable, and how to interpret the subsequent results. The course will start with simple frequencies and move on through hypothesis testing, regression analysis, factor analysis etc. This will be presented in a user friendly manner and will provide the student with techniques they can use immediately. Qualitative research is a powerful tool which plays a part in conducting food marketing research into customer value analysis, branding and naming, new product launch, customer satisfaction and market segmentation, among other food marketing areas. Its techniques include all types of focus groups, in depth one-on-one interviews, intercept studies and observational research. Because of its importance in determining buyer attitudes and beliefs it has grown as an important tool of understanding markets and customers. This course will examine these facets of qualitative research using cases and class exercises to help students develop a working understanding of these tools.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.
FMK 723 Food Advertising Research (2 credits)

FMK 725 Food Consumer Behavior (2 credits)

Understanding the food customer and consumer is the course within the food marketing curriculum that most directly applies concepts, principles, and theories from the various social sciences to the study of the factors that influence the acquisition, consumption, and disposition of consumer packaged products, services, and ideas. Knowledge of consumer behavior principles is becoming increasingly important for the food marketing manager and the public policy maker. Quite simply, in order to make good decisions the manager must have an understanding of how consumers are likely to respond to the actions of the firm or the government. In addition, an understanding of the factors that influence consumers may assist an individual in understanding his or her own buying patterns. The principles from a number of disciplines are used to describe and explain consumer behavior, including economics, psychology, social psychology, sociology, and anthropology.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 726 Innovation/New Product Develop (2 credits)

Since new products have become the lifeblood of most food companies, this course is very pertinent. The course takes the students through each of the stages of a typical new product process. Special emphasis is placed on idea generation and the creative process. Although each step in the process is discussed, the importance of systematically carrying out the process is stressed.

Restrictions: Enrollment is limited to students with a major in Food Marketing. Enrollment is limited to Graduate level students.

FMK 727 Legal Issues in FMK (2 credits)

This course reviews the legal environment in which businesses operate. It will describe the judicial process and legal system and examining areas of law and regulation in the business environment. Focus will be on the areas impacting the food industry, including personnel management, food safety, food labeling, customs, homeland security, and the laws, regulations and directives impacting operations, such as EEOC, OSHA, EPA, USDA and others.

Restrictions: Enrollment is limited to Graduate level students.

FMK 731 Food Advertising (2 credits)

Over the years a variety of techniques and approaches have been used to create good advertising. In this course the factors common to successful advertising will be presented. The rules are based on research as well as the opinions and experience of such advertising leaders as Ogilvy, Bernbach, Burnett, and testing services such as ARS and Mapes and Ross.

Restrictions: Enrollment is limited to Graduate level students.

FMK 732 Make Consumer Promo Effective (2 credits)

This course is designed to help sales, marketing, and merchandising executives understand, design, and implement effective and efficient consumer and trade promotion programs. The role of consumer promotions within the context of Marketing Strategy will be examined as well as advantages and limitations of the most widely used Consumer Promotion techniques. (Coupons, Experiential (Event Marketing) Rebates, Contests, Sweepstakes, Sampling etc.) Creative strategies to maximize impact and program development/evaluation will also be discussed. Trade Promotion has grown into the biggest, most complex and controversial dilemma facing the food industry today. The role of trade promotions within the context of Marketing Strategy will be examined as well as advantages and limitations of the most widely used Trade Promotion techniques. (Off Invoice, Bill backs, Scan-backs, Scan Based Trading, Advertising allowances, Demonstrations, etc.) Creative strategies to maximize impact and program development/evaluation will also be discussed.

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 733 Making Trade Promo More Effect (2 credits)

FMK 741 International Food Business (2 credits)

While the growth markets are the emerging markets the bulk of food trade is still in the developed markets of the world such as the EU, Canada, and Japan. The potential success of the Doha trade talks and the removal of tariffs and taxes have had an effect not just on inter-European trade, but on worldwide business as well. This course will study exactly what the new rules of trade are and how they affect American food business. This course also explores the expanding market opportunities in the BRIC (Brazil, Russia, India and China), for food products and retailing formats, focusing on how business models differ between emerging countries and between developing countries. The dynamic market of the BRIC countries will be examined

Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 743 Intl Marketing: Developed Mkts (2 credits)

FMK 751 Supply Chain Management (2 credits)

Distribution, often referred to as "the last great business frontier," is receiving more attention from executives than ever before. Faced with multiple pressures of shrinking margins, strong pricing, competition, large capital investments, global networks and product line extensions, companies today must effectively control and manage this key area of the business. Individuals who complete this course will understand the role of distribution in their industry and develop strong actionable plans, which can make a difference in corporate profits and customer service.

FMK 752 Category Mgt /Retail Partners (2 credits)

FMK 753 Food Retail Marketing (2 credits)

The food retail industry is changing on a regular basis. In some cases new retail food choices will arise such as target P-Fresh and in other cases hybrids appear in the market such as Fresh and Easy, and Marketside stores. This course will examine all the new formats and how they will affect distribution and consumer behavior.

Restrictions: Enrollment is limited to students with a major in Food Marketing. Enrollment is limited to Graduate level students.
FMK 754 Food Retailing Tour (Int'l Ex) (2 credits)
A tour of successful retailers in conjunction with traditional instruction will allow students to see food merchandising at its best “up close and personal.” Students will be asked to analyze and critique the similarities and differences embodied in the various operations. Focusing on such issues as store design and layout, in-store merchandising, pricing policy, shelf and category management, center store vs. perimeter and the extent of prepared foods merchandising, students will be able to understand how and why different operations are successful and develop insights that will help in planning programs and products to successfully merchandise products.

FMK 761 Food Technology & Packaging (2 credits)

FMK 762 Food Policy, Health & Wellness (2 credits)
Health and wellness are the driving growth factors in the food industry and are key issues in food policy, especially regarding approaches to mitigate obesity. This course will introduce marketers to current issues in food policy, key stakeholders, and fundamentals of food policy operation. The course will discuss consumer understanding of health and wellness. It will include strategies for health claim marketing and retailer approaches to enhance health and wellness in stores and food service operations. The course emphasizes a marketing perspective to drive a health and wellness strategy for competitive advantage and meaningful differentiation thereby optimizing growth and profitability in the context of a regulated environment.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 763 Food Mkt & Retail Technology (2 credits)

FMK 770 Special Topics: FMK Exec Ed (2 credits)

FMK 771 Foodservice Marketing (2 credits)
An introduction to the role and function of foodservice marketing and the foodservice marketing channel. Students will develop an understanding of the commercial and noncommercial on-site segments and the underlying factors and processes that shape strategy and tactics for foodservice marketing.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 772 Foodservice Mfg & Distribution (2 credits)
This course examines the dynamics of the ever changing distribution network between a manufacturer and the food service operator. Manufacturers face the challenges of maintaining or increasing their market share against the competition and selecting the best distribution channels to get their products to the foodservice operator. Distributors’ challenges include the increased costs of operations and pressure between balancing manufacturer brands and their own private label brands and how that effects what foodservice operators and customer will buy. Students will learn logistics and ordering technologies, marketing incentives, and direct or brokers sales forces play in the success of a manufacturer product as it travels through the distribution channel.

FMK 773 On-site&Commercial Foodservice (2 credits)

FMK 781 Independent Study in Food Mktg (2 credits)

FMK 782 Independent Study Food Mktg II (2 credits)

FMK 783 Future Issues: Mktg & ECom & Soc Media (2 credits)
This course is designed to address areas that will be very contemporary and may have just appeared on the food horizon or issues that warrant a special examination but not need a regular course. These maybe open to the public for either all or part of the course. The area that it would cover will determine which course section it will apply to.

FMK 784 Food Industry Summit (2 credits)
This seminar is based on the annual Department of Food Marketing Food Industry Summit. The First day event Students will attend the one day event and then continue the discussion of the topic during the second day of the course. The actual topics for the course are determined when the Department selects the topic for the FIS. These will be contemporary and important issues to the industry.
Restrictions: Enrollment limited to students in the MBAFMKT or MSFMKT programs. Enrollment is limited to Graduate level students.

FMK 793 Thesis I (3 credits)

FMK 794 Thesis II (3 credits)

FMK 795 Capstone (2 credits)

FMK 796 Thesis III (3 credits)

FMK 799 Food Marketing Capstone (3 credits)
FOOD MARKETING EXEC (FME)

FME 7807 Legal Issues in Food Marketing (1.5 credits)
FME 8301 Food Packaging as Mkt Tool (1.5 credits)
FME 8320 Future Iss:Foodserv Forum Sem (1.5 credits)
FRENCH (FRE)

FRE 101 Beginning French I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students with no experience with the French language. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of FR101
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the French 102 Placement, French 201 Placement, French 202 Placement or French 301 Placement attributes may not enroll.
Attributes: Undergraduate

FRE 102 Beginning French II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid/high level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 101 or French 102 Placement with a score of 1 or Language Placement with a score of FR102
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the French 201 Placement, French 202 Placement or French 301 Placement attributes may not enroll.
Attributes: Undergraduate

FRE 111 Adult Learner Beginning FRE I (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

FRE 112 Adult Learner Beginning FRE II (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 1015 or FRE 111
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

FRE 113 First Year French III (4 credits)
FRE 150 First Year Seminar in French (3 credits)
FRE 201 Intermediate French I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 102 or French 201 Placement with a score of 1 or Language Placement with a score of FR201
Restrictions: Students with the French 202 Placement or French 301 Placement attributes may not enroll.
Attributes: Undergraduate

FRE 202 Intermediate French II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar, pronunciation, and writing will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 201 or French 202 Placement with a score of 1 or Language Placement with a score of FR202
Restrictions: Students with the French 301 Placement attribute may not enroll.
Attributes: Undergraduate

FRE 301 French Conversation (3 credits)
This course is designed to help students improve their oral communication skills in French through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students’ attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions, and tailoring the discourse to the audience and context. This course is aimed at developing the intermediate mid/high level according to ACTFL – American Council on the Teaching of Foreign Languages. Counts toward the Francophone Studies Program. Fulfills the GEP non-native language requirement.
Prerequisites: FRE 202 or French 301 Placement with a score of 1 or Language Placement with a score of FR301
Attributes: Undergraduate

FRE 302 French Composition (3 credits)
This course is designed to improve students’ ability to communicate in written French and to develop the writing skills they will need to succeed in advanced French courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. Pre-req: completion of the GEP language requirement in French. Fulfills the GEP Writing-Intensive Overlay requirement.
Prerequisites: FRE 301 or French 302 Placement with a score of 1
Attributes: Undergraduate, Writing Intensive Course- GEP
FRE 309 Love and Hatred (3 credits)
Love and hatred are emotions that are at once universal and complicated. Studying these themes will allow us to discover Francophone literature from diverse genres and time periods. In addition, the course will incorporate videos, music and art to enhance our understanding of the roles played by love and hatred in the Francophone world across the centuries.

FRE 310 Intro to Literary Analysis (3 credits)
Study of variety of genres including theater, essays, fiction and poetry, with an emphasis on the methods for analyzing each genre. Fulfills the Art/Literature requirement of the GEP. Pre-requisite FRE 301 or FRE 302 or placement.
Prerequisites: Language Placement with a score of FR310
Attributes: GEP Art/Literature, Undergraduate

FRE 315 Comp Stylistics & Translation (3 credits)
Students will compare the linguistic structures and modes of expression in English and in French, doing exercises in translation (English-French and French-English) as a means of acquiring a better understanding of both languages and improving their expression in written and spoken French.

FRE 320 History of the French Language (3 credits)

FRE 321 Love & Desire in Med Fr Lit (3 credits)
Study of the origin and development of the literature and culture of the Middle Ages. Students will read a selection of texts that evoke love and desire in a variety of thematic form and we will also examine representations of love in desire in music, images, and other cultural products and practices. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 322 Making our Voices Heard (3 credits)
A study of representations of women in works written by French women writers of the Middle Ages and Renaissance, with special emphasis on issues of female identity and voice in the texts. Fulfills the GEP Art/Lit requirement., Diversity course, Gender Studies course, Medieval, Ren & Reform Studies.
Prerequisites: FRE 301 or FRE 302

FRE 325 The Francophone World (3 credits)
This course is an introductory course for the Francophone Studies major while serving simultaneously as a language and culture course for French majors organized around the notion of "Francophobia." There are four major intellectual components to the course: 1) the historical background of French and Belgian colonization (through research and readings), with particular reference to North America, to the Caribbean, to North Africa and to Subsaharan Africa; 2) a sampling of critiques of French colonialism; 3) select texts in postcolonial theory; 4) an overview of the contemporary Francophone world.
Attributes: Undergraduate

FRE 330 Medieval to Early Mod France (3 credits)
This course offers a cultural orientation to the French nation, focusing on the development of languages, ideas, art, architecture and social, political and economic structures within the geographical area sometimes identified as "The Hexagon," from the tenth century to the seventeenth.
Prerequisite: Fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 331 France: Enlightenment to Today (3 credits)
This course offers a cultural orientation to France and the francophone world, focusing on the evolution of ideas, artistic and literary movements, and political, social and economic structures, from the eighteenth century to the twenty-first. Prerequisite: FRE 301 or FRE 302 or permission of the instructor. Fulfills the GEP Art/Lit requirement.
Attributes: European Studies Course, GEP Art/Literature, Undergraduate

FRE 340 Current Events in the Fr Media (3 credits)

FRE 351 French Canada (3 credits)
In this course, we will explore the culture, history, and literature of French-speaking Canada, concentrating specifically on Quebec and Acadia. By focusing on questions of language, heritage, and identity, students will examine what it means to be a Francophone in Canada, deepen their knowledge of the unique cultural contributions made by these communities, and enhance their understanding of the complex identities of French speakers in eastern Canada. Fullfills the GEP Art/Lit requirement.

FRE 352 Francophone America (3 credits)
In this course, we focus on the question of identity: What does it mean to be a part of a Francophone community in the United States? By exploring the culture, history, and literature of Louisiana and New England—as well as the places where we see French influence in Philadelphia and at SJU—students will deepen their appreciation of the richness of Francophone communities in the United States and enhance their understanding of the challenges facing members of a group whose language and heritage sets them apart. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature

FRE 366 Current Events in Fr-LangMedia (3 credits)
This course is intended to give students a better understanding of the contemporary French-speaking world and its cultures through analysis and discussion of current events covered in the Francophone news media, both in France and elsewhere. The course will develop listening and reading skills, as well as writing and speaking skills. Pre-requisite FRE 301 or FRE 302.
Prerequisites: FRE 301 or FRE 302

FRE 370 Special Topics in French (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the French-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Pre-requisite FRE 301 or FRE 302.
Prerequisites: Language Placement with a score of FR370
Attributes: Undergraduate

FRE 396 French AP Course (3 credits)

FRE 402 Advanced French Composition (3 credits)

FRE 403 A Just Society (3 credits)
This conversation course focuses on current events and contemporary culture, paying particular attention to ethical thinking and the notion of fairness as a principle of social organization. Discussion of controversial topics will be an important aspect of students' work. The course will be informed by the work of John Rawls and others. Participants will be asked to reflect on and to analyze issues as they are represented in television news reports, newspapers and magazine article, popular songs, film and other media in French.
Prerequisites: FRE 301 or FRE 302
Attributes: Ethics Intensive (New GEP)
FRE 409 Love and Hatred (3 credits)

FRE 410 The French Novel (3 credits)
Reading, discussion and analysis of novels from a period ranging from the 17th century to the present. The period(s) of study will be selected by the professor. Fullfills the Art/Literature requirement of the GEP. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 412 Short Nar in Francophone Lit (3 credits)
Reading, discussion, and analysis of short stories and folktales from a variety of French-speaking areas, including Europe, North America, Africa, and the Caribbean. We will seek to define the genres and examine how their content and form change over time and by region, which will foster an understanding of how the tales reflect the culture(s) in which they were produced. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 413 French Poetry (3 credits)
A study of the various forms of French poetry with a particular emphasis on the evolution of the genre from Romanticism to Modernism. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 414 The French Essay (3 credits)
Reading, discussion, and analysis of selected works of representative essayists from the 16th to the 21st century, including Montaigne, Pascal, Diderot, Gide, Camus, Sartre, Barthes, Foucault, and Derrida. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 417 The French Enlightenment (3 credits)
A study of the origins of French Romanticism, its philosophical background, and its various forms of expression from Chateaubriand to Gerard de Nerval. Although principal emphasis will be placed on the study of the major genres, developments in music and the visual arts during the period will also be studied. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 431 The French Enlightenment (3 credits)
A study of the origins of French Romanticism, its philosophical background, and its various forms of expression from Chateaubriand to Gerard de Nerval. Although principal emphasis will be placed on the study of the major genres, developments in music and the visual arts during the period will also be studied. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 434 French Romanticism (3 credits)

FRE 437 Surrealism (3 credits)
A study of the origins of surrealism and its philosophical background. Particular attention will be paid to the works of the founders, Breton, Artaud, Aragon, Soupault, Vitrac, Cocteau. Relationships with the visual arts, including film, will be studied. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 438 20th Cent Fr Theater to Pres (3 credits)
Study of the avant-garde theater from Jarry to Reza. Developments in content and structure, the influence of Antonin Artaud as well as metteurs-en-scene will be examined. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 451 Francophone Canada (3 credits)
Please see the description for FRE 351. Students taking 451 will have additional reading and projects to do. If you have taken at least three 300-level courses, you should enroll in 451. Fullfills the GEP Art/Lit requirement.

FRE 452 Francophone America (3 credits)
Please see the description for FRE 352. Students taking 452 will have additional reading and projects to do. If you have taken at least three 300-level courses, you should enroll in 452. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature

FRE 460 La Francophonie (3 credits)

FRE 461 Caribbean Francophone Liter (3 credits)
This course will teach students to read and appreciate contemporary francophone literature of Martinique, Guadeloupe and Haiti by familiarizing them with the colonial and post-colonial history of the region, its cultural richness and its literary modes. Students will read works in different genres by major authors of the French Caribbean. Fullfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: Africana Studies Course, GEP Art/Literature, Undergraduate

FRE 462 Contempry Francophone Cinema (3 credits)
This course will teach students to read and appreciate contemporary francophone literature of Martinique, Guadeloupe and Haiti by familiarizing them with the colonial and post-colonial history of the region, its cultural richness and its literary modes. Students will read works in different genres by major authors of the French Caribbean. Fullfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

FRE 466 The Francophone Press (3 credits)
An introduction to the press of the French-speaking world. The work of the course may include library and internet research, extensive readings in French-language newspapers and magazines, viewings of television news, round-table discussions of current events and regular writing assignments. The course aims to familiarize students with the contemporary Francophone world and its information media. It is also designed to improve students’ general language skills in French. Pre-requisite FRE 301 or FRE 302.
Attributes: Undergraduate

FRE 470 Topics in French (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the French-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Pre-requisite FRE 301 or FRE 302.
Attributes: Undergraduate
FRE 471 Economic and Business French (3 credits)
An introduction to business notions and to social, economic and political problems in the francophone business world. The primary focus will be on France, although other French-speaking countries in Europe and elsewhere may also be covered. The course will emphasize the acquisition and use of fundamental economic and business concepts and vocabulary as tools for understanding the francophone business environment and communicating appropriately in a business setting. Prerequisite FRE 301 or permission of the instructor.
Attributes: Undergraduate

FRE 490 Internship (3 credits)

FRE 491 Internship (3 credits)

FRE 493 Independent Research in French (3 credits)

FRE 494 Independent Research in French (3 credits)
GENDER STUDIES (GEN)

GEN 200 Feminist Theories (3 credits)
This course provides a survey of feminist frameworks for thinking about sex, gender and oppression. The course begins with a consideration of whether the distinction between gender and sex is tenable, what it means to say that a category is socially constructed and how socially constructed categories can be oppressive. Given women's diversity, the latter part of the course considers critiques of attempts to provide a single systematic feminist framework. This will lead us to rethink the project of feminist theory and consider its possible new directions. 
Attributes: Diversity Course (New GEP), Gender Studies Course, Undergraduate

GEN 201 Seminar In Feminist Studies (3 credits)

GEN 470 Independent Study (3 credits)
An independent study course, typically undertaken in the Senior year, in which the student develops and presents a research project in her or his major field of study which incorporates gender perspectives and feminist theories. Prerequisites: GEN 201, the approval of an independent study director in the student’s major, and the approval of the Director of Gender Studies.
GERMAN (GRM)

GRM 101 Beginning German I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students who have limited experience with the German language. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of 1
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the German 102 Placement, German 201 Placement, or German 301 Placement attributes may not enroll.
Attributes: Undergraduate

GRM 102 Beginning German II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students who have limited experience with the German language. Fulfills the GEP non-native language requirement.
Prerequisites: GRM 101 or German 102 Placement with a score of 1
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the German 201 Placement, German 202 Placement or German 301 Placement attributes may not enroll.
Attributes: Undergraduate

GRM 113 First Year German III (4 credits)

GRM 150 First Year Seminar in German (3 credits)

GRM 201 Intermediate German I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. A review of grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: GRM 102 or German 201 Placement with a score of 1
Restrictions: Students with the German 202 Placement or German 301 Placement attributes may not enroll.
Attributes: Undergraduate

GRM 202 Intermediate German II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. A review of grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Prerequisite: Fulfills the GEP non-native language requirement.
Prerequisites: GRM 201 or German 202 Placement with a score of 1
Restrictions: Students with the German 301 Placement attribute may not enroll.
Attributes: Undergraduate

GRM 301 German Conversation (3 credits)
This course is designed to help students improve their oral communication skills in German through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students’ attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions, and tailoring the discourse to the audience and context. Fulfills the GEP non-native language requirement.
Prerequisites: GRM 202 or German 301 Placement with a score of 1
Attributes: Undergraduate

GRM 302 German Composition (3 credits)
This course is designed to improve students' ability to communicate in written German and to develop the writing skills they will need to succeed in advanced German courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version.
Prerequisites: GRM 301 or German 302 Placement with a score of 1
Attributes: Undergraduate

GRM 303 From Bismark to Hitler (3 credits)
The period spanning 1871 to 1945 in Germany is a tumultuous period of transition in the country's history. This course is intended to deepen the students' knowledge of German history, literature, culture and politics. Readings, discussions and analysis both of a series of literary texts, as well as background readings on the time period. Fulfills the Art/Literature requirement of the GEP. Prerequisite: GRM 301 or departmental approval. This course is taught in German.
Prerequisites: Language Placement with a score of 3
Attributes: GEP Art/Literature, Undergraduate

GRM 305 The Faust Legend (3 credits)
A study of the Faust legend in German and world literature. Goethe's Faust will be analyzed in depth. The concept of the Faustian as expressed in other literature, as well as in the opera and film, will be studied. Fulfills the GEP Art/Literature requirement. Taught in English, does not satisfy the German major or minor requirements.
Attributes: GEP Art/Literature, Undergraduate

GRM 306 Advanced German Conv & Comp (3 credits)
The purpose of this course is to improve the student’s oral and written command of German by further developing the four linguistic skills on an advanced level. Prerequisite: GRM 301 or departmental approval.
Prerequisites: GRM 302 or GRM 1321
Attributes: Undergraduate
GRM 309 German Civilization & Culture (3 credits)
A survey of the culture and civilization of Germany and other German-speaking countries, their history, politics, economic and social aspects, art, and folklore through the reading of literary texts. Emphasis is placed on modern trends. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 310 Selections in German Lit I (3 credits)
An introduction to German literature with selected readings from the works of principal writers from various periods. Fulfills the GEP Art/Literature requirement of the GEP.
Attributes: GEP Art/Literature, Undergraduate

GRM 320 Contemporary German Cinema (3 credits)
German Cinema as a mode of present-day artistic expression. Viewing and analysis of contemporary German movies by outstanding directors dealing with key issues in modern Germany. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 321 Getting to Know the Germ Media (3 credits)
The course will strengthen oral and written communication in German through discussion and analysis of the press, Deutsche Welle (German direct news broadcasts) using a variety of online news sources as well as German TV culture. The focus will be on contemporary culture and current events. Prerequisite: GRM 301 or departmental approval.
Prerequisites: Language Placement with a score of GR321
Attributes: Undergraduate

GRM 330 German Business I (3 credits)
It is true that the world is increasingly more globalized, particularly with respect to business and economic issues. Therefore, it is essential, even for those not directly involved in the business world, to be familiar with its workings and language. Yet it is equally true, despite globalization, that linguistic, cultural and economic differences persist and play an important role in the business world. It is the aim of this course to offer students insights into Business German from a micro point of view. Initially, we will have a general overview of the German economy, before embarking on a more detailed exploration of German business writing (cover letter, resumes, business correspondences), as well as common German business practices. Particular emphasis will be placed on vocabulary building. Prerequisite: GRM 301 or departmental approval.
Prerequisites: GRM 302 or GRM 1321
Attributes: Undergraduate

GRM 331 German Business II (3 credits)
The course deals with the multifaceted German business world on an advanced level. Emphasis will be placed on business correspondence, and the necessary oral proficiency skills required for successful commercial transactions. Prerequisite: GRM 301 or departmental approval.
Prerequisites: GRM 302 or GRM 1321 or Language Placement with a score of GR331
Attributes: Undergraduate

GRM 370 Topics in German Culture (3 credits)
The course will survey the most significant aspects of German culture through time. It is designed to give a broad overview of important cultural movements and personalities. We will discuss the highlights of selected areas in the culture of the German-speaking countries: in art, architecture, literature, music, history, politics and science. In particular, we will study representative figures of these areas, especially those who have had an impact on European and world culture.
Attributes: Undergraduate

GRM 396 German AP Course (3 credits)

GRM 401 Medieval German Literature (3 credits)
Readings, discussion, and analysis of a series of literary texts, as well as background readings on the period spanning the German Enlightenment to the beginning of German Realism (1750-1850). Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 403 From Bismarck to Hitler (3 credits)
The period spanning 1871 to 1945 in Germany is a tumultuous period of transition in the country's history. This course is intended to deepen the students' knowledge of German history, literature, culture and politics. Readings, discussions and analysis both of a series of literary texts, as well as background readings on the time period. Fulfills the GEP Art/Literature requirement.
Prerequisites: Language Placement with a score of GR403
Attributes: GEP Art/Literature, Undergraduate

GRM 404 Mod in Lit of Erly 20th Cent (3 credits)
Readings, discussion, and analysis of selected works from Hauptmann to Mann. Focusing on the economic, social, and political issues of the pre-World War II era. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 405 Lit of Ger-Speaking Countries (3 credits)
Reading, discussion, and analysis of selected works by major authors, focusing on the social and cultural trends of the times. Fulfills the Art/Literature requirement of the GEP. Prerequisite: GRM 301 or departmental approval.
Attributes: GEP Art/Literature, Undergraduate

GRM 406 Phantms, Spirits & the Uncanny (3 credits)
This course explores the fantastic in German literature, utilizing examples from Romanticism to the present. The fantastic will be investigated with respect to its function within individual works of literature as well as within its socio-historical context. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

GRM 420 Multikulti:German Migrant Lit (3 credits)
This course focuses on themes and texts of important "migrant authors" of Germany from the 20th and 21st centuries. Students will meet authors and texts that embody the struggles and successes of immigrants to Germany. It is designed to expose students to an array of selected German texts that are relevant to today's way of life in Germany. Students will learn to analyze and interpret several works of literature, in relation to the historical and social events of the time. Fulfills the Diversity overlay.
Attributes: Diversity Course (New GEP)

GRM 423 German Short Story (3 credits)
Readings, discussion and analysis of representative short stories in the post-45 German-speaking world. Fulfills the GEP Art/Lit requirement.
Attributes: European Studies Course, Undergraduate

GRM 470 Topics in German (3 credits)

GRM 490 Internship (3 credits)

GRM 491 Internship (3 credits)

GRM 493 Independent Research (3 credits)

GRM 494 Independent Research (3 credits)
GRADUATE BUSINESS (MBA)

MBA 3615 Marketing Concepts (3 credits)
GRADUATE GERONTOLOGY

GRG 550 Proseminar in Gerontology I (3 credits)
An introduction to the broad spectrum of disciplines and professions encompassed by the study of gerontology, as well as an overview of the major problem areas facing the older person in our society. Biologic, psychologic, social, economic, and legal aspects of aging will be considered. Courses may be taken in any sequence.
Restrictions: Enrollment is limited to Graduate level students.

GRG 560 Proseminar in Gerontology II (3 credits)
An introduction to the broad spectrum of disciplines and professions encompassed by the study of gerontology, as well as an overview of the major problem areas facing the older person in our society. Biologic, psychologic, social, economic, and legal aspects of aging will be considered.
Restrictions: Enrollment is limited to Graduate level students.

GRG 570 Devry of Serv to Older Adults (3 credits)
Principles and procedures of assessing needs, collecting resources, designing activities, and implementing programs for older people in a variety of community and institutional settings.
Restrictions: Enrollment is limited to Graduate level students.

GRG 580 Research Methods and Analysis (3 credits)
Basic methods of research and statistical analysis used in research studies of older people will be reviewed. The goal of the course is to enable the student to critically read and evaluate research in the field. Must be taken in first 6 courses in the program.
Restrictions: Enrollment is limited to Graduate level students.

GRG 600 Mental Health Issues and Aging (3 credits)
The chief risk and protective factors associated with each of the major mental disorders of late life and factors associated with optimal mental functioning will be considered with attention paid to the differences in presentation and treatment of disorders in young and old. Current issues involving mental health delivery models as well as mental health policy initiatives directed toward older adults will be explored.
Restrictions: Enrollment is limited to Graduate level students.

GRG 605 Iss Lng-Trm Care & Lvg Altr (3 credits)
This course provides a critical examination of contemporary operational and social policy issues related to health care and living alternatives for the well, near frail and frail older population including nursing homes, independent living communities, assisted living homes, home care provider services and experimental housing alternatives. Challenges associated with LTC management including regulatory issues, financial costs, staff burnout, etc. will be discussed and ways of dealing with these challenges explored.
Restrictions: Enrollment is limited to Graduate level students.

GRG 610 Clinical Pathology (3 credits)
A description and analysis of pathological behavior patterns in the older person, physical as well as psychological, from a preventive as well as a therapeutic perspective.
Restrictions: Enrollment is limited to Graduate level students.

GRG 620 Assessing the Older Adult (3 credits)
Application of assessment and evaluation procedures to the older person. Supervised practice in general diagnostic and treatment plan procedures as applied to the older person will be included.
Restrictions: Enrollment is limited to Graduate level students.

GRG 630 Counseling the Older Adult (3 credits)
Application of counseling theories and practices to the older person. Supervised practice in counseling techniques and procedures as applied to the older person will be included.
Restrictions: Enrollment is limited to Graduate level students.

GRG 640 Group Process and Practicum (3 credits)
A consideration of interpersonal skills, communication skills, non-verbal as well as verbal, analytic and technical skills related to small group processes and interaction. Experiential exercises will supplement class presentations.
Restrictions: Enrollment is limited to Graduate level students.

GRG 650 Dementia in Older Adults (3 credits)
This course begins with an overview of dementia and the specific diseases that may cause dementia. The diagnostic process, dual diagnosis, and progression of Alzheimer’s disease will be covered. Medications and non-pharmacologic forms of treatment will also be addressed.
Restrictions: Enrollment is limited to Graduate level students.

GRG 660 Dementia II (3 credits)
This course focuses on educational concepts and practices for the care and safety of elders experiencing dementia. Focus will be on understanding the disease and meeting the person’s needs using person-centered concepts, techniques, and strategies. Caregiver support and community resources will be explored.
Prerequisites: GRG 650

GRG 791 Advanced Internship I (3 credits)
Supervised experiential learning in one or more organizations that serve older persons. Arrangements for internship placement must be made in prior semester. Students may not sign up for advanced internships until at least 24 credits in the program have been completed.
Restrictions: Enrollment is limited to Graduate level students.

GRG 792 Advanced Internship II (3 credits)
Supervised experiential learning in one or more organizations that serve older persons. Arrangements for internship placement must be made in prior semester. Students may not sign up for advanced internships until at least 24 credits in the program have been completed.
Restrictions: Enrollment is limited to Graduate level students.

GRG 793 Directed Readings (3 credits)
An opportunity to conduct an extensive literature review under the supervision of a faculty member. Such work must be preceded by a proposal which must be approved by the Director of the Gerontological Services program.
Restrictions: Enrollment is limited to Graduate level students.

GRG 794 Directed Research (3 credits)
An opportunity to conduct a research project under the supervision of a faculty member. Such work must be preceded by a proposal which must be approved by the Director of the Gerontological Services program.
Restrictions: Enrollment is limited to Graduate level students.

GRG 795 Advanced Research Seminar (3 credits)
An integrative course in which students are expected to complete an independent thesis project combining the research methods and subject matter competencies obtained in previous coursework. This should be the final course in the program.
Restrictions: Enrollment is limited to Graduate level students.
GREEK (GRK)

GRK 101 Beginning Ancient Greek I (3 credits)
In an interactive environment, students will learn basic Attic Greek vocabulary, grammar, and syntax, with special attention to English and modern language derivatives. Students will develop reading ability through sentences and short passages adapted from Greek authors such as Menander, Aeschylus, Sophocles, Euripides, Solon, and Theognis. They will also discuss aspects of Greek culture and civilization illuminated in these texts.
Prerequisites: Language Placement with a score of GK101
Attributes: Ancient Studies Course, Undergraduate

GRK 102 Beginning Ancient Greek II (4 credits)
In an interactive environment, students will learn basic Attic Greek vocabulary, grammar, and syntax, with special attention to English and modern language derivatives. Students will develop reading ability through sentences and short passages adapted from Greek authors such as Menander, Aeschylus, Sophocles, Euripides, Solon, and Theognis. They will also discuss aspects of Greek culture and civilization illuminated in these texts.
Prerequisites: GRK 1011 or GRK 101
Attributes: Ancient Studies Course, Undergraduate

GRK 201 Intermediate Ancient Greek I (3 credits)
In an interactive environment, students will learn Attic Greek vocabulary, grammar, and syntax. They will achieve greater understanding and mastery of ancient Greek morphology and syntax. Students will develop reading ability through original selections from Plato’s Apology, which deals with the trial of Socrates. Students will learn about the political, philosophical, religious, and literary dimensions of Plato’s account of the trial of Socrates and Socratic thought.
Attributes: Ancient Studies Course, Undergraduate

GRK 202 Intermediate Ancient Greek II (3 credits)
In an interactive environment, students will learn Attic Greek vocabulary, grammar, and syntax. They will achieve greater understanding and mastery of ancient Greek morphology and syntax. Students will develop reading ability through original selections from Plato’s Apology, which deals with the trial of Socrates. Students will learn about the political, philosophical, religious, and literary dimensions of Plato’s account of the trial of Socrates and Socratic thought.
Prerequisites: GRK 1211 or GRK 201
Attributes: Ancient Studies Course, Undergraduate

GRK 493 Advanced Greek (3 credits)
HEALTH ADMINISTRATION (HAD)

HAD 101 Intro to Health Administration (3 credits)
An introduction to health care services focusing on current components, practices, issues, and trends in the health delivery system. Emphasis is placed on the social, political, economic, legal, and technological forces that affect health care.
Attributes: Undergraduate

HAD 110 Prin Publ Hlth & Epiderm (3 credits)
A survey of environmental, communicable, chronic, and genetic health problems and the public health and epidemiological responses to them. Basic epidemiological concepts, strategies, research, methodologies, and statistical tools will be introduced.
Attributes: Undergraduate

HAD 115 Research Methods in HAD (3 credits)
Health Services Research explores the history of health research, basic principles and types of research in order that health administrators will be able to critically evaluate research in healthcare. This course is a combination of lecture, discussion and experiential learning designed to instill a critical understanding of the research process for application to professional practice.

HAD 120 Fin Mgt Hlth Care Organization (3 credits)
An advanced application of the current issues and techniques affecting financial management in the health care system. Topics include cost accounting, cost benefit analysis, accountability in not-for-profit/non-profit institutions, prospective and third party payments, management information systems for operational and fiscal control, and cost containment. Prerequisite: HAD 101.
Prerequisites: HAD 2605 or HAD 100 or HAD 101
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

HAD 200 Health Care Law & Ethics (3 credits)
An overview of the legal and ethical issues central to the health care delivery system and their impact on individual institutions and professionals. The relationships among biomedical and research technology, societal changes, court rulings, and governmental legislation within the context of the health care system will be examined. Prerequisite: HAD 101.
Prerequisites: HAD 2605 or HAD 100 or HAD 101
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

HAD 210 Plan & Mktg Health Care Org (3 credits)
An introduction to general strategic planning and marketing for health care systems with particular emphasis on the evolution from a provider-controlled environment to a consumer market. Review of key factors such as rising costs, increasing competition, legislation/regulation, technological advancements, and increased consumer sophistication.
Attributes: Undergraduate

HAD 220 Health Policy (3 credits)
An overview of how health care policy is enacted in the U.S. Analysis of how the expansion of government programs and regulations since 1965 have influenced health care delivery. Emphasis will be placed on current policy questions and important health care policy debates.
Prerequisites: HAD 2605 or (HAD 100 or HAD 101)
Attributes: Undergraduate
HAD 556 Fin Manag of Health Care Org. (3 credits)
An introduction to the basic theories and practices of financial management as they relate to healthcare organizations. Course includes budgeting principles. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.
Prerequisites: HSV 500 and HAD 600 and HAD 553 and HAD 552 and HAD 555
Restrictions: Enrollment is limited to Graduate level students.

HAD 557 Health Care Strat Plan & Mktg (3 credits)
An introductory course that examines the foundations, principles, and basic applications of this field. Internal and external forces that shape marketing policies and planning are explored. Topics include the development of marketing strategies and programs, as well as marketing mix variables and general healthcare planning. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.
Restrictions: Enrollment is limited to Graduate level students.

HAD 558 Hospital Administration (3 credits)
In depth study of hospital operations with emphasis on not-for-profit/nonprofit settings; focus on departmental operations, role of administration, the board, and medical staff. Includes legal and reform trends affecting hospitals, financial mechanisms, budgeting, labor relations and corporate restructuring. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.
Restrictions: Enrollment is limited to Graduate level students.

HAD 559 Health Policy (3 credits)
The formulation and analysis of health policy at federal, state, local, and corporate levels. This course presents an overview of the legislative, regulatory, and political processes and their effect on the health care system. This course will provide a conceptual and analytic framework for bioethical policy analysis regarding policy formulation, adoption, implementation, operation, evaluation, and termination. Pragmatic application of policy analysis tools is included.
Restrictions: Enrollment is limited to Graduate level students.

HAD 560 Health Care Informatics (3 credits)
A survey of the current use of information technology in the clinical and management practice for the healthcare delivery enterprise. Students will become familiar with the basic terminology, strategies, and utilization of IT as a key component in the delivery of patient care. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.
Restrictions: Enrollment is limited to Graduate level students.

HAD 561 Health Care and the Internet (3 credits)
Examination of the specific roles that internet technology plays in healthcare. Observations and trends that play a significant role in improving the quality of healthcare delivery will be discussed. Various components such as intranets, extranets, knowledge management and web design concepts will be explored.
Restrictions: Enrollment is limited to Graduate level students.

HAD 562 Hlth Info Syst Data & Infra (3 credits)
Analysis and case study of IT networks, internets, data interchange, data access, and data management. Prerequisite: for Healthcare Informatics students only and HAD 560 is preferred.

HAD 563 Hlth Info Mgt Syst Appl (3 credits)
Case study of the foundation and incorporation of the critical IT applications in the modern healthcare delivery enterprise. Specific applications will be explored with an emphasis placed on the practice of Managed Care. Note: This course is available for Healthcare Informatics students only. It is preferred that students have taken both HAD 560 and HAD 562 before taking this course.

HAD 564 Computer-Based Patient Record (3 credits)
An in-depth analysis of the Institute of Medicine’s (IOM) standards, requirements, attributes, and benefits of the CPR and its use in the healthcare delivery enterprise. The use of data warehouses, data repositories, and integration technology will be explored relevant to CPR development along with the various issues and strategies for implementation.

HAD 565 Decision Support & Data Analy (3 credits)

HAD 566 Hlth Info Syst Res Mngt (3 credits)

HAD 567 Leadership, Strat & Plan HIMS (3 credits)

HAD 570 Psycc Aspects Chnc Ill & Disb (3 credits)
A survey of psychological, social, and behavioral theories and principles as they relate to the experiences of chronic illness and disability. The course will emphasize the impact of these experiences on the patient in terms of motivation and life satisfaction, restructuring social support systems, and changes in psychosocial/developmental needs. Attention will be given to the changing role of the health professional as direct care provider, manager, consultant, and advocate. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, and HSV 551.
Restrictions: Enrollment is limited to Graduate level students.

HAD 600 Ethics of Health Care (3 credits)
A critical examination of the central ethical issues in the healthcare field. Issues to be treated include euthanasia, life-prolonging medical technologies, abortion, screening for genetic defects, experimentation and informed consent, distribution of scarce medical resources, the right to healthcare, and its implications for the healthcare delivery system. Necessary background in moral philosophy will be provided.
Restrictions: Enrollment is limited to Graduate level students.

HAD 601 Fieldwork in Health Admin (3 credits)
Students who have a GPA of 3.5 or higher may pursue experiential learning through fieldwork or internship in an approved healthcare facility or nonprofit organization. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, HSV 551 plus one administrative course (either HSV 554, HAD 555, HAD 556 or HAD 560).
Prerequisites: HAD 552 or HAD 553 or HAD 600 or HSV 550 or HSV 551 or HAD 554 or HAD 555 or HSV 556 or HAD 560
Restrictions: Enrollment is limited to Graduate level students.

HAD 602 Directed Resrch in Health Serv (3 credits)
The Health Services Department provides opportunities for selected students to conduct independent research under the supervision of department faculty. Students desiring to participate in Directed Research must identify and meet with a faculty mentor, submit a formal research proposal with proposed timeline for completion, and obtain approval for the project from the faculty mentor, program director, department chair and associate dean. Prerequisites: HAD 552, HAD 553, HAD 600, HSV 550, HSV 551 plus one administrative course (either HSV 554, HAD 555, HAD 556 or HAD 560).
Restrictions: Enrollment is limited to Graduate level students.
### HEALTH CARE ETHICS (HCE)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCE 500</td>
<td>Topics in Bioethics</td>
<td>3 credits</td>
<td>This course is an analysis of some of the important topics in bioethics. Students will familiarize themselves with the ethical questions surrounding major topics in contemporary bioethics. The course will focus on one or more of the following topics: medical research with human subjects, the new genetic medicine, social justice and the delivery of healthcare, organ transplantation, death and dying, and the development of techniques for human reproduction. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
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<tr>
<td>HCE 550</td>
<td>Topics in Bioethics</td>
<td>3 credits</td>
<td>Bioethics represents a complex intellectual phenomenon. Although an established academic field, it still struggles to find a formal ad coherent methodology for the analysis of ethical problems triggered by advances in medicine and the life sciences. The course will, first, look at the historical roots of bioethics, concentrating, in particular, upon the original contribution of theologians and, later on, of philosophers to the field. It will then, discuss the dominant theories in contemporary bioethics, among others: principalism in its various versions, rights-based theories, casuistry, virtue ethics and the ethics of care. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
</tr>
<tr>
<td>HCE 551</td>
<td>Methodological Issues Bioethics</td>
<td>3 credits</td>
<td>This course will introduce the student to the basic theological concepts, frameworks, and analyses that have been used by both Catholic and Protestant theologians in their discussions of bioethics. After reviewing the various relationship between religion and medicine and the role that the theological reflection can play in bioethics, several topics will be discussed and analyzed in depth. Topics such as assisted reproduction technologies, abortion, genetic control, care of severely handicapped neonates, death and dying, and the meaning and application of “quality of life” to contemporary issues will be discussed in both lecture and seminar formats. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
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<tr>
<td>HCE 552</td>
<td>Theological Issues Bioethics</td>
<td>3 credits</td>
<td>This course will introduce the student to the basic theological concepts, frameworks, and analyses that have been used by both Catholic and Protestant theologians in their discussions of bioethics. After reviewing the various relationship between religion and medicine and the role that the theological reflection can play in bioethics, several topics will be discussed and analyzed in depth. Topics such as assisted reproduction technologies, abortion, genetic control, care of severely handicapped neonates, death and dying, and the meaning and application of “quality of life” to contemporary issues will be discussed in both lecture and seminar formats. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
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<tr>
<td>HCE 553</td>
<td>Phil Eth Theories in Bioethics</td>
<td>3 credits</td>
<td>This course will study from a philosophical perspective the various ethical theories that have influenced the development of bioethics. The course will use a historical method and concentrate, among others, on the ethical theories of virtue, teleology and deontology in their historical contexts. These theories will then be placed in the context of the development of contemporary bioethics in the United States and Europe. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
</tr>
<tr>
<td>HCE 554</td>
<td>Spirituality and Healthcare</td>
<td>3 credits</td>
<td>This course will examine how social justice is addressed in bioethics. Attention will be paid to the relationship between micro-ethics and macro-ethics. Different theories of justice will be presented along with specific moral problems facing contemporary health care. These may include globalization, recourse allocation, rationing, access to health care, preventative medicine and public health (e.g., which may include how we responsibly attend to epidemics, outbreaks, and/or bioterrorist attacks), compensation for organs or participation in research protocols (e.g., egg donation for SCNT and stem cell technology), and managed care and the role of evidence-based medicine. In addition, the course may include a section on how decisions are made from a social perspective on research agendas (i.e. why do we/should we pursue high-tech, high-priced medicine versus allocating those funds to do other initiatives). <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
</tr>
<tr>
<td>HCE 555</td>
<td>Fieldwork Clinical Bioethics</td>
<td>3 credits</td>
<td>Individual work will be arranged specific types of clinical bioethical field work in an approved health care environment. Students need the permission of the program director before registering. This course is designed to meet individual professional goals and may only be taken once during a student’s completion of this degree program. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
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<tr>
<td>HCE 556</td>
<td>Issues in Neonatology</td>
<td>3 credits</td>
<td>This course will study from a philosophical perspective the various ethical theories that have influenced the development of bioethics. The course will use a historical method and concentrate, among others, on the ethical theories of virtue, teleology and deontology in their historical contexts. These theories will then be placed in the context of the development of contemporary bioethics in the United States and Europe. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
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<tr>
<td>HCE 557</td>
<td>Clinical Bioethics &amp; Rel Trad</td>
<td>3 credits</td>
<td>This course will define the major health care disparities that exist in our society (gender, race, ethnicity, income, education, disability, geographical location and sexual orientation), how to measure disparities, the impact on individual and societal health, how to resolve disparities through cross cultural respect, current issues and future directions. <em>Restrictions:</em> Enrollment is limited to Graduate level students.</td>
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HEALTH EDUCATION (HED)

HED 551 Map Hlth Res, Pin, Pol Dev&Mkt (3 credits)
Based on the ARCVIEW Geographic Information Systems (GIS), this course is a practical introduction to the use of computer mapping and spatial analysis. The course uses the most current GIS technology to understand the environment and how it impacts public health. There is a large computer lab component to the course.
Restrictions: Enrollment is limited to Graduate level students.

HED 552 Epidemiology and Com Health (3 credits)
An introductory course exploring the basic concepts of epidemiology as a public health science, including rates and ratios, risk and association, causation and investigation of outbreak.
Restrictions: Enrollment is limited to Graduate level students.

HED 553 Program Planning for Wellness (3 credits)
A foundation course in the development of health education programs for hospitals, work sites, community, and schools. Discusses models for health behavior, assessment of health education needs, design and implementation of interventions, program marketing, and evaluation of efficacy.
Restrictions: Enrollment is limited to Graduate level students.

HED 554 Curric Strat for Hlth Educatrts (3 credits)
Techniques combining the cognitive, affective, and psychomotor domains in individual and group learning are discussed. Leading models for curriculum development and implementation are emphasized. Mechanics for construction of goals, curriculum design, objective writing, and learning behaviors are stressed. Models for evaluation and needs analysis are examined. The role of the trainer in the organization is also explored, along with strategies for maximizing one's position in the organization. Ethical, legal, and moral questions arising in the health education arena are examined. Prerequisite: HED 553
Prerequisites: HED 4775 or HED 553
Restrictions: Enrollment is limited to Graduate level students.

HED 560 Bio-Psycho Char:Aging American (3 credits)
Areas of study include theories of aging, bio-psycho-social/spiritual characteristics of older people, family systems and non-systems, resources, policy, legislation, and activism.
Restrictions: Enrollment is limited to Graduate level students.

HED 561 Human Sexuality (3 credits)
Content provides sexual awareness and personal growth in the area of interpersonal sexuality. Through participation in a variety of class activities, students increase comfort level in communicating about sexual attitudes, feelings, and behaviors. Sexually transmitted infections, reproductive inefficiencies, and cultural issues are discussed.
Restrictions: Enrollment is limited to Graduate level students.

HED 562 Hlth Care of Childnm in Commun (3 credits)
HED 563 Behvrl Hlth of Childrn & Youth (3 credits)
HED 571 Employee Asst & Occup Health (3 credits)
An overview course designed to provide the knowledge and skills necessary to help organize, develop, manage, and evaluate employee assistance programs. Emphasis is placed on the positive role of health promotion as a preventive tool. Course explores the role of addictions, family, financial, and legal issues in the life of the impaired employee or student and codependent.
Restrictions: Enrollment is limited to Graduate level students.

HED 572 Concepts of Mental Health (3 credits)
Basic concepts of mental health and illness. A range of theories and psychotherapies, and psychological aspects of health, illness, and addiction are studied.
Restrictions: Enrollment is limited to Graduate level students.

HED 573 Women and Health Care (3 credits)
Inquiry into the health needs of women and their treatment by the health care system. Study includes history, role of women as healers, epidemiology, access to and utilization of health care services, health research, and legislation affecting women's health issues.
Restrictions: Enrollment is limited to Graduate level students.

HED 574 Concepts of Nutrition & Health (3 credits)
A comprehensive examination of the principles of good nutrition during the life cycle. Emphasis is placed on practical applications, including the use of food composition theory to evaluate food intakes, regional, cultural, and religious influences on food habits, fads, preventive health promotion, and health restoration through health education.
Restrictions: Enrollment is limited to Graduate level students.

HED 575 Stress and Crisis Management (3 credits)
Study of health problems related to stress and exploration of methods to reduce the impact of stressors to improve bio-psycho-social health. Demonstrates how to identify, isolate, and manage a crisis and how to foresee future crises, as well as how to develop contingency plans. Physiology of stress, relaxation, biofeedback, fear control, and cognitive reacting are skills studied in relation to stress management.
Restrictions: Enrollment is limited to Graduate level students.

HED 576 Addictions (3 credits)
The study of the nature, causes, and intervention of substance abuse. Historical and sociocultural trends are evaluated in view of current addiction theories. Emphasis is placed upon the relation of addiction to family and work environments, as well as the development of alternate lifestyles.
Restrictions: Enrollment is limited to Graduate level students.

HED 577 Health Education in HIV/AIDS (3 credits)
The retrovirus of AIDS, the people, and the society it infects are the center upon which this course is based. Current public health policy, ethics, and politics of AIDS are examined. Emphasis is placed on skill-building in health education, counseling, and referrals for persons with AIDS, their families, and those individuals who test positive. The school and corporate sectors are explored, as well as high risk groups and global AIDS.
Restrictions: Enrollment is limited to Graduate level students.

HED 578 Experiential Counseling (3 credits)
Theories and applications of counseling. Conceptual emphasis on the "here and now" phenomenologic theory. Psychodrama is stressed. Ethics, risk reduction, and the biopsychosocial/spiritual impactors on both the counselor and the client are integral.
Restrictions: Enrollment is limited to Graduate level students.

HED 579 Principles of Administration (3 credits)
This course will provide an introduction to behavioral health issues related to children and adolescents. Problems, risk factors, diagnosis and treatment will be considered in the context of developmental theory.
Restrictions: Enrollment is limited to Graduate level students.
HED 580 Leadership Principles (3 credits)
An introductory course to acquaint the learner with needs and roles in supervisory activity. Management styles, functions, and analyses, as well as behavioral theory, are evaluated. Planning and decision-making, dealing with the change process, motivation, coaching and counseling techniques, performance appraisal, and control are examined.

HED 581 Physical Assessment: Nurse Anes (3 credits)

HED 582 Pharm Prin Nurse Anesthesia (3 credits)

HED 600 Dir Research in Hlth Ed (3 credits)
An opportunity to conduct a research project under the supervision of a faculty member. Note: students may register for a directed research study only after (a) submitting a research proposal to the program director; (b) arranging for a faculty member to serve as mentor; and (c) receiving explicit approval from the department chair.

HED 601 Fieldwork in Health Education (3 credits)
Individually arranged fieldwork in approved health education environment. Students need permission of the program director before registering. The program is designed to meet individual professional goals and may only be taken once during a student's completions of this degree program. All five core courses must be taken prior to enrolling in this course.

HED 650 School Nurse Practicum (3 credits)

HED 651 School Nurse Practicum (3 credits)

HED 770 Special Topics in Hlth Educatn (3 credits)
The learning objectives of this course will be geared toward a specific topic of current interest in the field of health education. The specific topics and perquisites will be announced in the course schedule.

Restrictions: Enrollment is limited to Graduate level students.
HEALTH SERVICES (HSV)

HSV 550 Health Services Research (3 credits)
Explores the history of health research, basic principles and types of
research in order that health professionals will be able to critically
evaluate research in their respective fields. This course is a combination
of lecture, discussion and experiential learning designed to instill a
critical understanding of the research process for application to clinical
practice.
Restrictions: Enrollment is limited to Graduate level students.

HSV 551 Managed Health Care (3 credits)
This course is an introduction to managed care including current and
evolving models, terminology, and differences among insurers and payer
types. The course will focus on the use of financial incentives to restrain
healthcare costs and the role of utilization review, peer review, provider.
Restrictions: Enrollment is limited to Graduate level students.

HSV 700 Integ Capstne Crs in Hlth Serv (3 credits)
An integrative capstone course in which the student is expected
to integrate and synthesize prior course work and to demonstrate
competence in health services through the analysis of complex cases
in health services delivery and management and the development of a
case of his/her own based on experience and observation. Integrative
Capstone should be the final course in the curriculum. Prerequisites:
HAD 552, HAD 553, HAD 555, HAD 556, HAD 600, HSV 550, HSV 551
Restrictions: Enrollment is limited to Graduate level students.
HIS 100 Forging the Modern World (3 credits)
HIS 101 Western Civ 1 (3 credits)
HIS 102 Western Civ 2 (3 credits)
HIS 150 First Year Seminar (3 credits)
HIS 154 Forging the Modern World (3 credits)
Students will analyze primary and secondary sources to understand
the predominant structures and relationships that have transformed
our world from the early modern era to the twentieth century. Topics
will include the development of political and economic ideas and
systems (e.g., democracy, liberalism, conservatism, nationalism, fascism,
colonialism, capitalism, socialism), changing conceptions of culture
and identity (e.g., race, gender, ethnicity, art), and the conflicts and
opportunities born of this transformation (e.g., anti-colonial movements,
social revolutions, world wars, international organizations, globalization,
religious and cultural conflicts). Readings and discussions will
emphasize understanding how modern systems of political, economic
and social meaning and exchange, including Western dominance,
emerged.
Attributes: Signature Course (New GEP), Undergraduate

HIS 160 Topics in Global History (3 credits)
HIS 196 AP World History Credit (3 credits)
HIS 200 Historical Methods (3 credits)
HIS 201 American History to 1877 (3 credits)
A survey dealing with the origin and development of American
institutions and traditions, with emphasis on the political, economic,
and social history of the period after 1763. These courses may be taken in any
order.
Attributes: Undergraduate

HIS 202 American Hist. 1865 to Present (3 credits)
A survey dealing with the origin and development of American
institutions and traditions, with emphasis on the political, economic, and
social history of the period after 1763. These courses may be taken in any
order.
Attributes: International Relations Course, Undergraduate

HIS 203 Historical Intro to Latin Am (3 credits)
A survey of the development of Latin American society, emphasizing the
era from the independence movements of the nineteenth century to the
present day. The course will focus on the changing social, economic and
political structures of the region. Latin American Studies.
Attributes: International Relations Course, Non-Western Studies (GEP),
Undergraduate

HIS 204 Latin American-U.S. Migration (3 credits)
This course will provide students with a deeper understanding of the
processes that led migrants from Latin America and the Caribbean to
the United States, and their experiences after arrival. The course focuses on
three interdisciplinary topics: community formation, the variety of
individual and group experiences; and current policy questions for the
hemisphere. This course has been designated as an ethics intensive and
diversity course under the GEP. Latin American Studies.
Prerequisites: PHL 154
Attributes: Diversity Course (New GEP), Ethics Intensive (New GEP), Faith
Justice Course, International Relations Course, Latin American Studies
Course, Undergraduate

HIS 205 His Intro to the Islamic World (3 credits)
The course will provide students with a deeper understanding of the
Islamic world from the seventh century to the present, including: the
expansion and consolidation of Islamic states; relations with Western
powers; the rise and fall of empires; and social, cultural, and intellectual
developments.
Attributes: Africana Studies Course, International Relations Course,
Undergraduate

HIS 206 Historical Intro to East Asia (3 credits)
HIS 207 Historical Intro to South Asia (3 credits)
HIS 208 Historical Intro to Asian Civ (3 credits)
This course will introduce students to the culture, politics, geography, art,
and religious traditions of the major countries of East and South Asia. It
will also give a historical overview from earliest times to the present. The
course will focus primarily on the Indian subcontinent, China and Japan,
with some attention also to Korea and Southeast Asia. Throughout the
course students will also learn how questions of history and culture
shape identities and animate public life in contemporary Asia.
Attributes: International Relations Course, Undergraduate

HIS 209 AP European History Credit (3 credits)
Students who receive a 4 or 5 on the AP European History exam, or the IB
equivalent, will receive credit for this course.
Attributes: International Relations Course

HIS 210 Historical Intro to Mod.Africa (3 credits)
This course will examine the social, political, and economic history of
Africa from pre-colonial times to the twentieth century. It will emphasize
themes such as the early formation of states and empires, the impact of
the Trans-Atlantic slave trade, the European colonization of the continent,
and the struggles and successes of modern African nation states.
The course is designed to provide the students with a background for
understanding the most important forces that have shaped Africa and
continue to affect the lives of people throughout the continent. This
course has been designated as a non-western studies course under the
GEP.
Attributes: Africana Studies Course, Diversity Course (New GEP),
International Relations Course, Non-Western Studies (GEP),
Undergraduate

HIS 211 Historical Intro Pre-ModAfrica (3 credits)
HIS 239 Ireland 1798-1998 (3 credits)
HIS 296 AP World History Credit (3 credits)
HIS 301 United States and Latin Am (3 credits)
An exploration of the complex relationship between the United States
and the Latin American nations in the nineteenth and twentieth centuries.
Latin American Studies.
Attributes: International Relations Course, Undergraduate

HIS 302 Colonial Mexico (3 credits)
This course examines social and cultural relations and conflicts in the
Spanish colony that later became Mexico and the southwestern United
States. Emphasis is placed on the seventeenth and eighteenth century.
Latin American Studies.
Attributes: Non-Western Studies (GEP), Undergraduate
HIS 303 History of Modern Mexico (3 credits)
A study of the major social, political, and economic factors that have shaped Mexico in the twentieth century. This course has been designated as a non-western studies course under the GEP. Latin American Studies. 
Prerequisites: (HIS 1521 or HIS 203) and (HIS 1571 or HIS 206) 
Attributes: International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 304 Social Protest in Latin Am His (3 credits)
An examination of upheaval in Latin American history, from village riots to social revolutions. Students will analyze relevant theoretical and historiographical literature on social protest and explore case studies that will test the explanatory strength of these different models. This course has been designated as a non-western studies course under the GEP. Latin American Studies.  
Attributes: International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 310 Modern Germany (3 credits)
This course will enable students to assimilate historians’ differing conceptions regarding exceptionalism in German history and to examine key political, economic, and cultural developments in Germany over the past two hundred years. Students will contemplate how one might go about de-provincializing German history by situating the varying iterations of German nationhood in a wider European and global context. 
Attributes: International Relations Course, Undergraduate

HIS 311 Nazism & Fascism Global Persp (3 credits)

HIS 314 Living in Ancient Med World (3 credits)

HIS 315 The Glory that was Greece (3 credits)
From Homer to Alexander, the Greeks of antiquity made their mark on the world both of their own time and of the present. While many know the names of great philosophers and artists, such as Plato and Sophocles, few are acquainted with the historical circumstances that often served to inspire these founders of Western civilization. Through original historical and literary texts, this course will help students better to understand the complex context of military prowess, intellectual curiosity, and artistic inspiration that created the glory that was Greece. This course satisfies the Art/Lit requirement under the GEP.  
Attributes: International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 316 The Grandeur that was Rome (3 credits)
From its beginnings as a muddy village, Rome grew to create the largest empire and greatest uniformity the Western world has ever known. This course will: trace the course of Rome’s development in the areas of military, political, social and legal history; examine the effects of Christianity and endless expansion upon the empire; and critically assess various theories explaining its demise. This course has been designated as writing intensive within the GEP. 
Prerequisites: HIS 154 
Attributes: Ancient Studies Course, European Studies Course, Undergraduate

HIS 317 The Rise of the West: 400-1200 (3 credits)
In recent years, scholarly debate has raged over the effects of "The Fall of Rome"; what was once viewed as a catastrophe faces re-evaluation from historians, archeologists, and sociologists. The slow merger of Roman, barbarian, and Christian cultures created a unique civilization, focused intently on survival in this world and salvation in the next. The course will examine the mental and physical constructs of this civilization, with the goal of appreciating the extraordinary creativity of a society with few hard and fast rules or institutions to guide it. This course has been designated as writing intensive under the GEP.  
Prerequisites: ENG 101 
Attributes: Ancient Studies Course, Undergraduate, Writing Intensive Course- GEP

HIS 318 Italian Renaissance 1100-1600 (3 credits)
Extraordinary creativity in all arenas flourished in Italy during the Renaissance. New forms of political theory and organization, finance, art, literature and views about human nature itself all drew on Roman and medieval traditions, and bloomed against a backdrop of constant warfare. The course will examine the formation and evolution of the northern Italian city-states and the culture they created. This course has been designated as writing intensive within the GEP.  
Attributes: Undergraduate

HIS 319 Revolutions 1517-1648 (3 credits)
Through readings in primary and secondary sources, combined with weekly classroom discussions, this course will encourage students to decide for themselves how “revolutionary” the Reformation was. We will examine the historical roots of the Protestant Reformation and analyze the extent to which it was traditional and innovative. We will investigate the Reformation’s impact on the religious practice of regular people during the sixteenth and seventeenth centuries, as well as the works of the Reformers and the Catholic Church’s response. Finally, we will look at the long-term effects of the Reformation on European society and attempt to evaluate it as a motor of modernity. This course has been designated as a Faith-Reason course under the GEP. 
Prerequisites: PHL 154 and (THE 154 or THE 221) 
Attributes: Faith-Reason Course (New GEP), Undergraduate

HIS 320 Absltsm & Enlghtnmnt:1650-1789 (3 credits)
Ideas of human freedom and individual rights first spread widely while states attempted to impose strict controls on their subjects. The course will examine the works of absolutist and Enlightenment thinkers, the political machinery of the (would-be) absolutist state, the tensions and accommodations between the two, and the culture and society that surrounded them.  
Attributes: Undergraduate

HIS 321 French Revolution and Napoleon (3 credits)
This course will examine the causes of the French Revolution of 1789, the revolutionary governments and the Napoleonic era. 
Attributes: International Relations Course, Undergraduate

HIS 322 Europe in 20th Cent, 1914-1939 (3 credits)
A study of the First World War and its impact upon the general course of European history, as well as a treatment of the political, economic, social, and diplomatic history of the period between the world wars. 
Attributes: International Relations Course, Undergraduate

HIS 323 Europe in 20th Cent, Since1939 (3 credits)
A course emphasizing the Second World War and the recovery of Europe in the post-war era. 
Attributes: International Relations Course, Undergraduate
HIS 324 Modern International Socialism (3 credits)
A study of political, diplomatic, social, economic and religious trends from the fall of Napoleon Bonaparte to the outbreak of the First World War.
Attributes: International Relations Course, Undergraduate

HIS 325 France 1814-1914 (3 credits)
A study of political, diplomatic, social, economic and religious trends from the fall of Napoleon Bonaparte to the outbreak of the First World War.
Attributes: International Relations Course, Undergraduate

HIS 326 The Age of Empire (3 credits)
A study of European imperialism and anti-imperialism in Africa and Asia from the late eighteenth century to the present, with special emphasis on the nineteenth century and on the British Empire.
Attributes: International Relations Course, Undergraduate

HIS 327 Trans in Early Mod Europe (3 credits)
This course examines some of the key transformations in European history between the years 1400-1800. This period is commonly referred to by historians as "Early Modern Europe," a term that may seem somewhat odd to us who claim to live in a "modern" world. This course will investigate the term early modern, testing what it means and whether or not it is an appropriate label to place on a period encompassing four centuries. Topics will include the Renaissance, the Reformation, the Dutch Revolt, the English Civil War, European encounters with the "New World," Absolutism and the rise of the nation state, the Scientific Revolution, the French Revolution, and many more.
Attributes: Medieval, Ren & Reform Studies, Undergraduate

HIS 328 European Dipl His, 1814-1914 (3 credits)

HIS 329 Crime & Punishment (3 credits)
This course analyzes the development of European crime and punishment from 1200-1840. It explores the evolution of different legal traditions by comparing the growth of inquisitorial procedures in continental Europe to the practice of common law in England. It examines in detail the social role of judicial torture, physical punishment, and public execution in European society. The operation of large institutional court systems such as the Roman and Spanish inquisitions receive great attention, with students reenacting a series of trials from Spanish Inquisition courts. After investigating the legal backdrop to sensational crimes such as regicide and witchcraft, the course concludes by studying the shift away from physical punishment toward punishment by prison in the eighteenth and nineteenth centuries through the lens of Philadelphia’s own relic of the criminal justice past, Eastern State Penitentiary.
Attributes: European Studies Course, Medieval, Ren & Reform Studies

HIS 330 Eng: Danes to Tudors, 700-1485 (3 credits)
This course will examine the ways in which official decrees—royal, noble, and ecclesiastical—affect people in all walks of life, and will furthermore explore the various roles English men and women constructed for themselves. In so doing, students will gain insight into the ways inhabitants of this island thought of themselves and the world around them.
Attributes: Undergraduate

HIS 331 Tudor-Stuart Eng, 1485-1714 (3 credits)
Age of the Tudor and Stuart monarchs. Topics include Henry VIII and the Reformation, Elizabethan England, Puritanism, the English Civil War, Cromwell, the Restoration, the Glorious Revolution, the growth of the early modern state, the scientific revolution, social change, and cultural life.
Attributes: European Studies Course, Undergraduate

HIS 332 Age of Aristocy: Brit 1689-1832 (3 credits)
The evolution of Britain from a preindustrial toward an industrial society between the Glorious Revolution and the first reform of Parliament; the political world of the Stuart and Hanoverian oligarchy; the industrial revolution; the Empire, particularly the British Atlantic world; and slavery; the Evangelical revival; radical social and political movements; warfare and the consolidation of British national identity; reform and the unraveling of the confessional state in the years after Waterloo; the arts, from Classical to Romantic.
Attributes: International Relations Course, Undergraduate

HIS 333 Victorian Britain, 1815-1901 (3 credits)
The course is a study of Britain from 1815 to 1901 transformed by the urban and industrial revolutions; the growth of the modern state; social and political reforms; the evolution of the Liberal and Conservative parties; religious, cultural, and intellectual developments; labor movements; British foreign policy and growth of the British Empire.
Attributes: European Studies Course, International Relations Course, Undergraduate

HIS 334 Twentieth Century Britain (3 credits)
Topics will include Edwardian England; Armageddon, 1914-1918; the trials of the inter-war years and appeasement; the Finest Hour, 1939-1945; from Empire to Commonwealth to European Union; the welfare state and the politics of prosperity.
Attributes: International Relations Course, Undergraduate

HIS 335 Germany: Fr Rev through WWI (3 credits)
This course will examine the impact of the French Revolution and Napoleon on the German states, the development of the German Confederation and the Zollverein, the contest between Austria and Prussia for German leadership, the Bismarck era and the rule of William II.
Attributes: European Studies Course, International Relations Course, Undergraduate

HIS 336 The Weimar Repblc & Nazi Germ (3 credits)
This course will focus on the German Revolution of 1918, the creation, development and collapse of the Weimar Republic, the rise of Adolf Hitler and the history of the twelve-year Third Reich.
Attributes: International Relations Course, Undergraduate

HIS 337 History of Russia, 1682-1881 (3 credits)
A survey of the major political, social, economic, and cultural developments in Russia from Kievan Russia to the emancipation of the serfs. Topics will include Kievan Rus; the Golden Horde; the Rise of Muscovy; the consolidation of the Romanov autocracy; the expansion of the empire; and the Great Reforms.
Attributes: International Relations Course, Undergraduate

HIS 338 Russia-Soviet Union 1861-1991 (3 credits)
A survey of the major political, social, economic, and cultural developments of the Russian Empire from 1861 to 1917 and of the Soviet Union from its foundation to its break-up in 1991. Topics will include the decline of tsarism; the Russian revolutions; Stalinism; World War II; the Cold War; the "thaw years" under Khrushchev; the "stagnation years" under Brezhnev; and the reforms under Gorbachev.
Attributes: International Relations Course, Undergraduate
HIS 339 The Mongol Empire 1100-1500 (3 credits)
In the thirteenth century, the Mongols built the largest contiguous land empire the world has ever known. This course will cover the rise, running, and fall of this empire. It will explore the society and culture of the Mongols, the world’s most famous nomadic conquerors. In addition, the course will examine how the Mongol Empire impacted the course of Eurasian history. It will explore how the empire affected not only the Mongols themselves, but also the many peoples whom they conquered. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate

HIS 340 Stalinism 1920 to 1950 (3 credits)
This course examines the Soviet Union under the leadership of Joseph Stalin from 1928 to 1953. This period was repressive, but also transformative. The course will address not only the suffering inflicted by Stalin’s steep repression, but also the social, cultural, and economic impact of his policies. Course readings will focus on the experiences of ordinary people to demonstrate that Stalin’s rule brought both opportunity, as well as great tragedy. Stalinism, historians argue, was more than a political ideology such as Marxism and Leninism, but a way of life and civilization distinct from anything the modern world had yet experienced.
Attributes: International Relations Course, Undergraduate

HIS 341 Genocide/Human Rights 20th Cen (3 credits)
Examines and compares four twentieth-century genocides: the Turkish genocide of the Armenians (1915-1917), the Holocaust (1933-1945), the Pol Pot genocide in Cambodia (1976-1979), and the genocide against the Tutsi in Rwanda (1994). The course will explore the concept of genocide and the development of national and global laws to prevent it, promote human rights, and prosecute abusers. In doing so, it will offer a historiography of genocide studies. Also, through primary and secondary source readings, students will study genocidal violence as a particularly vicious form of state policy and also as a human and personal experience of terror and murder.

HIS 343 African Ethnicities (3 credits)
This course is designed to inform students on not only the general schools of ethnic construction, but also Africa’s unique contribution to the development of the field. There will be several case studies given in the class which represent some of the extremely varied African experiences with ethnicity. In this course students will develop an understanding of ethnic construction that can be used as a foundation for further inquiry. This course has been designated as a non-western studies course under the GEP.
Attributes: International Relations Course, Non-Western Studies (GEP)

HIS 344 The Middle East Since 1798 (3 credits)

HIS 345 Africa: Trans Atlc Slave Trd. (3 credits)

HIS 346 Rel Thought & Phil in Afr Comm (3 credits)
This class will examine the role of religious thought and cultural philosophies in conflict and peace in Africa. The class will begin as a survey of the history, cultures and religions of Africa. After which, several case studies will be presented that put specific North-African interpretations of Judaism, Islam, Christianity or traditionalist beliefs at the center of either conflict or consensus in this region. A final extended case study will examine the Somali, where one has a unity of language, culture and religion, but due to decades of civil wars, no functional state. These case studies will focus on the specific religious beliefs or practices that either endeared religious groups to each other or transcended religious denominations to provide concrete examples for the ways in which the proponents of faiths and secularity coexist or cause conflict in Africa.
Attributes: Faith-Reason Course (New GEP), International Relations Course

HIS 347 Beyond Hercules:Spain&Portgual (3 credits)

HIS 348 Witch, Law & Suprmnt Early Eur (3 credits)
This course will examine popular and educated belief in the supernatural during the early modern period in Europe, beginning with late medieval concepts of magic and finishing with the end of witchcraft trials during the eighteenth and nineteenth centuries. It will focus especially on the "witch-craze" that occurred across Europe and its American colonies during the sixteenth and seventeenth centuries. Readings will include trial records, journals, and demonology tracts, as well as secondary sources treating witchcraft as a crucial component of early modern beliefs about law, religion, and culture.
Attributes: Undergraduate

HIS 349 Irish HisPLACE of Sml Country (3 credits)

HIS 350 Exchng & Conq in Mod E. Asia (3 credits)
This course is a chronological survey of East Asian history from 1500 to the present, emphasizing the reciprocal influences of East Asia and the West. The primary focus will be on China and Japan, with attention also to Korea and Vietnam. Major topics will include the Jesuits in East Asia; approaches to modernization in China and Japan; the decline of China and the rise of Japan in the nineteenth century; colonialism and anti-colonial movements; the challenges of global culture; and debates over human rights in the late twentieth century.
Attributes: Asian Studies Course, International Relations Course, Undergraduate

HIS 351 Gnrd, Ideolgy & Rev in E. Asia (3 credits)
This course will examine the institutional and ideological connections between gender roles and social unrest in East Asia since 1600, with an emphasis on the twentieth century. Questions central to the class will be: changing notions of the ideal man and woman, and how changes in society and politics have been reflected in gender roles for men and women. Topics may include traditional East Asian societies; foot binding; revolutionary movements including communism, nationalism and feminism; family-planning; the Japanese samurai ideal; and gender roles in film and fiction.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate
HIS 352 Late Imperial China (3 credits)
Chinese social, political, intellectual, and cultural history during the Ming and Qing dynasties. Major topics will include Ming voyages of discovery, Ming art and literature, the Manchu conquest, War of the Three Feudatories, Taiping Rebellion, and the advent of Western imperialism. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate

HIS 353 Modern China (3 credits)
Chinese social, political, intellectual, and cultural history from 1900 to 2000. Major topics will include the Opium Wars, emergence of Chinese nationalism, the Boxer Rebellion, collapse and fall of the Qing dynasty, the May Fourth Movement in literature and politics, competing strands of Chinese communism, warlords, the anti-Japanese war, the founding of the People's Republic, the Great Leap Forward, Cultural Revolution, Deng Xiaoping's Reforms, social protest of the 1980s, and the challenges of rapid economic development. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 354 Japan Since 1800 (3 credits)
The central theme of this course is the coexistence of traditional and modern Japan during the last 200 years. Major topics include traditional Japanese social structure, bushido and samurai culture, Perry and the opening of Japan, the Meiji Restoration, militarism and modernization, expansion onto the Asian continent, Showa democracy, the Pacific War, the American Occupation, political and economic reconstruction, cinema and literature of post-war Japan. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 355 Clnlism & Ntnlism SE Asa (3 credits)
This course will focus on the experience of colonialism and the development of independent modern nation-states in Vietnam, Cambodia, Laos, and Indonesia, and to a lesser extent, Malaysia, Singapore, Burma, and the Philippines. The course seeks to help students understand how colonialism redefined pre-existing relations among the peoples of the region and how modern nationalism and independence movements emerged in this context. Although political and economic interests are essential parts of this story, the course will focus on intellectual, cultural, and social factors.
Attributes: Asian Studies Course, International Relations Course, Undergraduate

HIS 357 History of Islam in Asia (3 credits)
This course explores the early history of Islam, and the ways it grew beyond the Arabian peninsula and ultimately took hold in Central, South, Southeast Asia and East Asia. The course examines the expansion of Islam throughout Asia, its relationship with existing systems and geopolitics, the relationship between Islam and statecraft, and questions of gender, identity, belonging as well as the pressures of globalization, including the most current events affecting Asian Muslims.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 358 Contemporary China (3 credits)
The history of China since 1976. Major topics covered will be the death of Mao and the end of the Cultural Revolution; the opening of relations with the United States; Deng Xiaoping's rise; opening and reform; China's "economic miracle"; the one-third policy; the 1989 democracy movement and its aftermath; China's rise as a global economic and political power; the environmental challenge accompanying China's economic development; and the Communist Party's strategies and tactics to maintain power. Usually offered as part of the SJU-in-China summer program. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 359 India & Pak: Colony to Nation (3 credits)
This course will examine the emergence of anti-imperialists and nationalist leaders and the evolution of their thinking; the politics of Indian nationalism; Muslim nationalism; the history of the partition and its reverberations and the challenges of state building after independence from Britain. This course has been designated as a non-western studies course under the GEP.
Attributes: Asian Studies Course, International Relations Course, Non-Western Studies (GEP), Undergraduate

HIS 360 Colonial America (3 credits)
A survey of the social, economic, cultural, and political developments in colonial America with special emphasis on the origins and evolution of the plantation system, slavery, religious diversity, cities, and scientific inquiry.
Attributes: Diversity Course (New GEP), Undergraduate

HIS 361 Amer Hist in Age of Revolution (3 credits)
A survey of American history from the era of the American Revolution through the mid-nineteenth century with special emphasis on Independence, the 1800 revolution in politics, the transportation, agricultural, and industrial revolutions, and the social revolution accompanying modernization in the nineteenth century.
Attributes: Undergraduate

HIS 362 The Civil War Era (3 credits)
A survey of the middle period of American history with special emphasis on the Civil War and Reconstruction—the causes, management, and consequences of the war in society, economics, politics, and culture. This course has been designated as an ethics intensive course under the GEP.
Prerequisites: PHL 154
Attributes: Africana Studies Course, Ethics Intensive (New GEP), Undergraduate
HIS 363 The Elections of 2020 (3 credits)
An analysis of the presidential, congressional, and gubernatorial races of 2020. The course will offer the student a basis for understanding the ongoing election cycle of 2020, especially drawing upon the changes that have taken place in American politics since the 1980s and the history of electioneering in America, especially in the modern era. This will include discussion of partisan realignment, the growing importance of personality and interest group politics, and the role of issues in influencing electoral choice. Particular attention will be devoted to understanding the tactics and strategies of the two major parties as they position themselves for and then campaign in the Elections of 2020.
Attributes: Undergraduate

HIS 364 Ethnic America (3 credits)
A survey of the development of cities and the process of urbanization in America with special emphasis on urban institutions—government, police, voluntary associations—and the changing character and functions of cities in the modern period.
Attributes: Africana Studies Course, Undergraduate

HIS 365 Urban America (3 credits)
A survey of the development of cities and the process of urbanization in America with special emphasis on urban institutions—government, police, voluntary associations—and the changing character and functions of cities in the modern period.
Attributes: Africana Studies Course, Undergraduate

HIS 366 Progressive Era to New Deal (3 credits)
Reform affected all levels of U.S. politics and society in the first half of the twentieth century, linking the first Roosevelt administration to the last. Besides cleaning up at home, Progressives and New Dealers also tried to save the world abroad with varying success. This course will examine the origins, nature, contradictions and social and political consequences of these important Reforming Decades.
Attributes: International Relations Course, Undergraduate

HIS 367 Postwar Am, 1945 to the Presnt (3 credits)
This course will explore recent American history through an examination of political, social, and cultural developments, with particular emphases on the expanding role of the presidency, social movements embracing racial, class, and gender issues, and emerging cultural crosscurrents since World War II.
Attributes: International Relations Course, Undergraduate

HIS 368 Am Ideas: Col Era to Civil War (3 credits)
This course explores the history of American thought and culture from the Puritans to the Civil War, largely through primary source readings by major intellectual figures. The emphasis will be on social, political, and religious thought, but students will also discuss developments and trends in the arts, literature, and philosophy. Key topics include Puritanism and revivalism; liberalism, republicanism, and democracy; cultural nationalism and Transcendentalism; and abolitionism and antebellum reform.
Attributes: Undergraduate

HIS 369 Am Ideas: Gilded Age to Pres (3 credits)
This course explores the history of American thought and culture from the late nineteenth century to the present, largely through primary source readings by major intellectual figures. The emphasis will be on social and political thought, but students will also discuss developments and trends in philosophy, religion, the arts, and literature. Key topics include Victorianism and modernism; pragmatism and Progressivism; liberalism and conservatism; and postmodernism and multiculturalism.
Attributes: Undergraduate

HIS 370 Topics in History (3 credits)
The course introduces students to recent theoretical or practical topics of interest in history. Content and structure of the course are determined by the course supervisor. The special topic(s) for a given semester will be announced prior to registration.
Attributes: Undergraduate

HIS 371 Directed Readings in Asian His (3 credits)
HIS 372 Directed Rdgs in European His (3 credits)
HIS 379 Afr Amer Hist Since Civil War (3 credits)
This course will explore the history of African-Americans from Reconstruction to the present day. Students will examine the unity and diversity of the African-American experience, including the myriad social, cultural, political, and economic conditions that created this experience, the ways in which African-Americans have shaped American history and culture, and African-American efforts, in concert with other Americans, to subvert, transcend, and otherwise reform a discriminatory landscape and reassert the founding principles of the American republic.
Prerequisites: HIS 154
Attributes: Africana Studies Course, Diversity Course (New GEP), Undergraduate

HIS 380 Am Foreign Policy, 1775-1914 (3 credits)
This course explores the origins of United States foreign relations from their earliest days during the Revolution until the First World War. The course takes a broad approach, embracing such issues as independence, expansion, sectionalism, nationalism, idealism and imperialism.
Attributes: International Relations Course, Undergraduate

HIS 381 US in the World, Wilson-Reagan (3 credits)
This course covers the enhanced profile of the United States in the world from 1917 until the end of the Cold War. The nation's transformation from a hesitant embrace of international commitments to an expansive vision of global involvement is a major theme, as are the resultant crusades and conflicts that generated domestically.
Attributes: International Relations Course, Undergraduate

HIS 382 American Foreign Policy (3 credits)
This course offers an interdisciplinary perspective on the United States's role in global events emphasizing both historical understanding and theoretical approaches. Beginning with World War I, the course will develop major themes and challenges for U.S. foreign policy in the 20th century and beyond: isolationism vs. internationalism, hegemony vs. empire, citizens' rights vs. state interests, and the extent to which the pursuit of national security (national power and prosperity) should recognize ethical limits.
Attributes: Undergraduate

HIS 383 Food in American History (3 credits)
Examines how food has shaped and reflected American culture, society, economy, and politics.
Attributes: Undergraduate

HIS 384 The Civil Rights Mov in Am (3 credits)
A survey of the modern civil rights movement in the United States, with special emphasis on the desegregation struggles in the American South and the personalities, strategies, and ideologies of the civil rights movement as it became a national movement through the 1960s and 1970s.
Attributes: Africana Studies Course, Undergraduate
HIS 385 His of Women in Am Since 1820 (3 credits)
This course will explore the history of American women from the beginnings of the antebellum period to the dawn of the post-Cold War era. It will focus upon the evolution of women's family and work roles as well as their involvement in social reform and political movements and will emphasize both the unity and the diversity of women's historical experiences, based upon factors such as race, ethnicity, class, and region. (DGNW overlay)
Attributes: Diversity Course (New GEP), Undergraduate

HIS 386 American Environmental History (3 credits)
This course will describe our historical place in the natural landscape. It will tell that story through the methods of "environmental history," examining ecological relationships between humans and nature, political and economic influences on the environment, and cultural conceptions of the natural world. Drawing on methods from the natural sciences, the social sciences, and the humanities, the course will survey over 500 years of North American environmental history, with topics ranging from urban pollution and suburban sprawl to agricultural practices and wilderness protection.
Attributes: Ethics Intensive (New GEP), Undergraduate

HIS 387 Popular Culture in the US (3 credits)
This course will explore the production and consumption of commercialized leisure in the United States from the mid-nineteenth century to the present day. Throughout the nation's history, American popular culture has both reflected and shaped society's values, often serving as an arena of conflict among classes, races, and genders. By investigating selected sites on this contested terrain—from novels, stage shows, and movies to radio, television, and popular music—students will learn to think seriously, critically, and historically about the mass-produced culture that surrounds us every day.
Attributes: Communication Studies ILC Crs, Undergraduate

HIS 388 Reacting to the Past (3 credits)
This course will immerse students in moments of historical controversy through a series of extended role-playing games. By reading primary sources, conducting additional research, and participating in first-person debates, students will develop a more active, engaged, and empathetic understanding of both historic events and historical practice. Students will also participate in the play testing of new "Reacting" games, thereby contributing to the development of an innovative interactive pedagogy.
Attributes: Undergraduate

HIS 389 Gender/Sexuality Mod Euro & US (3 credits)

HIS 391 American Military History (3 credits)
This course assesses the development of the American military from the period of the Spanish-American War to the present. Emphasis will be placed on growth and change in the military within a broader social, political and economic context.
Attributes: Undergraduate

HIS 394 Middle East (3 credits)

HIS 458 Epidemiology (3 credits)

HIS 460 Research Seminars (3 credits)

HIS 470 Seminar in American History (3 credits)
Lectures, readings, and discussions focusing on an announced theme in United States history. Each student undertakes a major research project associated with the selected theme.
Attributes: Undergraduate

HIS 471 Seminar in American History (3 credits)

HIS 472 Seminar in European History (3 credits)
Lectures, readings, and discussion focusing on an announced theme in European history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course, and an ethics intensive course under the GEP.
Prerequisites: ENG 101
Attributes: Ethics Intensive (New GEP), European Studies Course, Undergraduate, Writing Intensive Course- GEP

HIS 473 Seminar in Eurasian History (3 credits)
Lectures, readings, and discussion focusing on an announced theme in Asian history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course under the GEP.
Prerequisites: ENG 101 and HIS 154
Attributes: Undergraduate

HIS 474 Seminar in Latin Am His (3 credits)
Lectures, readings, and discussion focusing on an announced theme in Latin American history. Each student undertakes a major research project associated with the selected theme. Latin American Studies. Latin American Studies.
Attributes: Undergraduate

HIS 475 Seminar in Latin Am His (3 credits)

HIS 476 Seminar in Asian History (3 credits)
Lecture, readings, and discussion focusing on an announced theme in Asian history. Each student undertakes a major research project associated with the selected them. This course has been designated as a writing intensive course under the GEP.
Attributes: Asian Studies Course, Undergraduate

HIS 477 Seminar in African History (3 credits)
Lectures, readings, and discussion focusing on an announced theme in African history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course under the GEP.
Attributes: Africana Studies Course, Diversity Course (New GEP), Undergraduate

HIS 478 Seminar in Global/Comp His (3 credits)
Lectures, readings and discussion focusing on an announced theme in global and/or comparative history. Each student undertakes a major research project associated with the selected theme. This course has been designated as a writing intensive course under the GEP.
Prerequisites: ENG 101
Restrictions: Enrollment is limited to students with a major in History.
Attributes: International Relations Course, Undergraduate, Writing Intensive Course- GEP
HIS 479 Seminar in Global/Comp His (3 credits)
HIS 480 Directed Readings in Amer Hist (3 credits)
HIS 481 Directed Rdgs in European Hist (3 credits)
HIS 482 Directed Rdgs in Asian Hist (3 credits)
HIS 483 Directed Rdgs in African Hist (3 credits)
HIS 484 Directed Rdgs in Latin Am Hist (3 credits)
HIS 489 Directed Readings (3 credits)
HIS 491 Philadelphia Area Internship (3 credits)
The Philadelphia Area Internship Program supports student internships in public sector, private sector, and non-government organizations. The course focuses on developing multiple skills. Students work at the organization a designated number of hours per week, keep a journal, read and analyze materials relevant to their internships, and produce written work that connects their internship experiences with relevant scholarly research. This course has been designated as writing-intensive under the GEP.
Prerequisites: ENG 101
Attributes: International Relations Course, Undergraduate, Writing Intensive Course- GEP
HIS 493 Honors Resrch and Ind Study I (3 credits)
Independent research leading to the successful completion and defense of an Honors Thesis.
Attributes: Undergraduate
HIS 494 Honors Research & Ind Study II (3 credits)
Independent research leading to the successful completion and defense of an Honors Thesis.
Attributes: Undergraduate
HONORS (HON)

HON 150 Epic Tradition in Literature (3 credits)
This course will be organized around major thinkers whose works address perennial questions central to our Jesuit mission (the nature of Justice, questions of Faith, the Social contract, etc.). Each author considered will be presented within a rich historical context. Also, significant emphasis will be placed on Ancient and Medieval writers, in order to provide students a foundational introduction to the Western intellectual tradition that is taken up in subsequent team-taught interdisciplinary seminars. The Homeric epics, Plato’s Dialogues, Aeschylus’ Oresteia, Virgil’s Aeneid, the Confessions of Augustine, Dante’s Divine Comedy – such works established the conceptual framework in which questions of justice, personal freedom, and moral obligation continue to be debated today. GEP First Year Seminar

Restrictions: Enrollment limited to students with the Honors Program Student attribute.

Attributes: First-Year Seminar, Honors Course, Undergraduate

HON 300 Community Engaged Scholarship (3 credits)
In this course, students will work with a community-based organization to design and conduct research on an issue related to homelessness or affordable housing. Throughout the semester, students will learn about research methods, research ethics, and the particular urban context within which they will be working. More importantly, students will gain experience working alongside staff of a community-based organization to solve problems or assess needs and strengths. This is a service-learning course, which fulfills both the GEP Social Science requirement and the diversity overlay.

Restrictions: Enrollment limited to students with the Honors Program Student attribute.

Attributes: Diversity Course (New GEP), GEP Social Science, Honors Course, Undergraduate

HON 301 Modern Mosaic I (3 credits)
An interdisciplinary study in Western European civilization from 1832 to 1839, analyzing developments in history, philosophy, science, music, the arts and literature. Satisfies ENG 102 or the Art/Literature GEP requirement; GEP Writing Intensive; Honors team-taught.

Restrictions: Enrollment limited to students with the Honors Program Student attribute.

Attributes: GEP Art/Literature, Honors Course, Undergraduate, Writing Intensive Course- GEP

HON 302 Modern Mosaic II (3 credits)
An interdisciplinary study in Western European civilization from 1832 to 1839, analyzing developments in history, philosophy, science, music, the arts and literature. Satisfies ENG 102 or the Art/Literature GEP requirement; GEP Writing Intensive; Honors team-taught.

Restrictions: Enrollment limited to students with the Honors Program Student attribute.

Attributes: GEP Art/Literature, Honors Course, Undergraduate, Writing Intensive Course- GEP

HON 303 Reason Revolution Reaction I (3 credits)
An interdisciplinary study in Western European civilization from 1500 to 1832 analyzing developments in history, philosophy, science, music, the arts, and literature. Satisfies ENG 102 or the Art/Literature GEP requirement; GEP Writing Intensive; Honors team-taught.

Restrictions: Enrollment is limited to Undergraduate Day Division level students. Enrollment limited to students with the Honors Program Student attribute.

Attributes: English Area 4- British/Irish, GER Art/Literature, GEP Art/Literature, Honors Course, Undergraduate, Writing Intensive Course- GEP

HON 304 Reason Revolution Reaction II (3 credits)
An interdisciplinary study in Western European civilization from 1500 to 1832 analyzing developments in history, philosophy, science, music, the arts, and literature. Satisfies ENG 102 or the Art/Literature GEP requirement; GEP Writing Intensive; Honors team-taught.

Restrictions: Enrollment is limited to Undergraduate Day Division level students. Enrollment limited to students with the Honors Program Student attribute.

Attributes: English Area 4- British/Irish, GER Art/Literature, GEP Art/Literature, Honors Course, Undergraduate, Writing Intensive Course- GEP

HON 305 America: Myth/Images/Real I (3 credits)

HON 306 America: Myth/Images/Real II (3 credits)

HON 307 Math Models in Chemistry I (3 credits)

HON 308 Math Models in Chemistry II (3 credits)

HON 309 Pens/Guns:Litr Road Am Civ War (3 credits)
An interdisciplinary study of the links between literature and politics leading up to and occurring during the American Civil War, with emphasis on the ways American writers used fiction, poetry, and other literary forms to react to and to comment publicly upon slavery and the sectional crisis that threatened the nation from the 1840s to the 1860s. Satisfies the Art/Literature GEP requirement; satisfies GEP Writing Intensive and Ethics Intensive; the upper-level requirement for history majors, the American literature requirement for English majors, and the elective requirement for American Studies minors; Honors Team-taught.

Prerequisites: PHL 154

Restrictions: Enrollment limited to students with the Honors Program Student attribute.

Attributes: Ethics Intensive (New GEP), GEP Art/Literature, Honors Course, Undergraduate, Writing Intensive Course- GEP

HON 310 Womens Writing as Emancipation (3 credits)
This course explores how British and American women of the late seventeenth to early twentieth centuries used writing as a means of emancipation. Drawing on a wide variety of women’s texts—narrative fictions, poetry, political polemics, conduct books, letters, autobiographies, social theories, sermons, etc.—we will examine both the historical circumstances in which women found themselves and the literary production that resulted. Satisfies Art/Literature GEP for all majors; Honors Team-taught. GEP Writing intensive and Diversity.

Restrictions: Enrollment limited to students with the Honors Program Student attribute.

Attributes: Diversity Course (New GEP), GEP Art/Literature, Honors Course, Undergraduate, Writing Intensive Course- GEP
HON 311 Paradoxes, Prob & Proofs (3 credits)
Can a sentence be both true and false at the same time? Can a theorem be true if it has no proof? Can there be different sizes of infinity? Can a single solid ball be decomposed and reassembled to create two balls each with the same volume as the original? These questions all lie at the juncture of philosophy and the foundations of mathematics. This course examines the questions that have emerged in the 20th century about the nature of mathematical truth and the status of our mathematical knowledge. This is a genuinely interdisciplinary course that considers questions from both mathematical and philosophical perspectives.
Satisfies Mathematics GEP; Honors Team-taught.
Prerequisites: PHL 154
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: Ethics Intensive (New GEP), Honors Course, Math Beauty (New GEP)

HON 312 Word Became Flesh: Cath Spirit (3 credits)

HON 315 An Understanding of Suffering (3 credits)
The template through which this class will be offered is the Bio-Psycho-Social-Spiritual model. In so many words such a model is designed to help one arrive at an “Ecology of the Spirit” whereby one is led to respond to the question, What are the conditions through which a person is more open to be alert to the movements and workings of God’s Spirit (whatever one’s belief)? In effect, this “Ecology of the Spirit” may serve as a useful way of conceptualizing theologically suffering, trauma and evil, that is to say, a theodicy. This particular class is designed to accentuate the philosophical, psychological and theological meanings surrounding suffering and trauma. Using the faith and reason principle of gratia perfecta natura (grace perfects nature), I will suggest how God comes to a person in and through suffering, even in trauma. Various religious understandings of suffering and trauma will be offered with special emphasis given to the Catholic tradition. Through an appropriation of these understandings, the student will learn to become even more skilled in encountering suffering, one’s own and that of others, and be a source and a resource for healing and hope. In this respect the student will become a competent and compassionate man/woman for others.
Prerequisites: PHL 154 and (THE 154 or THE 221) and ENG 101
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: Writing Intensive Course- GEP

HON 318 Society, Democracy, Republic (3 credits)
This Honors team-taught course will focus on the intellectual heritage of thinking and writing about collective human life, with particular reference to governance, decision-making, mores, social codes and conventional relationships of power (including both explicit power-sharing arrangements and customary divergences in status, authority, autonomy or control for various classes of persons). Despite an avowed focus on governance and the exercise of power, the course is devoted neither to the history of governments nor to political analysis. It will, instead, deal with principles, ethical frameworks and broadly humanistic values that we will illuminate through a large and varied sample of readings from the Ancient World and from the modern West. The intellectual content of the course will be rooted in social commentary and in literary and philosophical texts. Ethical considerations lie at its core. Prerequisite: PHL 154 Moral Foundations. Fulfills the following GEP requirements: Honors team-taught; Ethics-Intensive Overlay; Fine Art/Literature
Prerequisites: PHL 154
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: Ethics Intensive (New GEP), GEP Art/Literature, Honors Course, Undergraduate

HON 320 Honors:Elections of 2012 (3 credits)
This course coincides with the Federal Election cycle, and provides an analysis of the presidential, congressional, and gubernatorial races. Student will develop a basis for understanding the election cycle, especially drawing upon the changes that have taken place in American politics since the 1980s and the history of electioneering in America, especially in the modern era. This will include discussion of partisan realignment, the growing importance of personality and interest group politics, and the role of issues in influencing electoral choice. Particular attention will be devoted to understanding the tactics and strategies of the two major parties as they position themselves and then engage in the campaign process.
Prerequisites: ENG 101
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: GEP Social Science, Honors Course, Writing Intensive Course-GEP

HON 366 Violence and Non Violence (3 credits)

HON 384 Jew/Chr: Theologies Compared (3 credits)

HON 390 Decending Tower: Commnty Rsch (3 credits)
Engaged scholarship can take several forms. Broadly defined, it means connecting the rich resources of the university to our most pressing social, civic, and ethical problems. One key way of sharing these resources is through research—not “on” the community, but “with” the community. This type of research model is one in which projects are developed collaboratively by community organization staff, faculty, and students, building on the unique strengths of those involved. In this course, students will work with a community-based organizations to design and conduct research. Throughout the semester, students will learn about research methods and ethics, and the particular urban context in which they will be working. More importantly, students will gain experience working alongside staff of a community-based organization to solve problems or assess needs and strengths.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
INSTRUCTIONAL TECHNOLOGY (ITS)

ITAL 605 Technology Appl for Classroom (3 credits)
This course will introduce students to the role that technology plays in a learning environment. 3 credits; required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 610 Apply Theory Lrn Interact Tech (3 credits)
This course provides an in-depth study of classic and contemporary theories of learning and their applications in educational technology. Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 615 Intro to Interact Technology (3 credits)
This course will explore new interactive technologies and the ways in which they might be used to promote communication and collaboration and to support authentic learning environments. Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 620 Multimedia Productions (3 credits)
In this course, the students will utilize a project development plan to demonstrate proficiency in the development of a multimedia project. Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 625 Res in Instruct Technology (3 credits)
In this course, students will explore the ways that educational research is conducted. This course includes developing skills in problem identification, collecting data, analyzing data, and preparing research. Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 630 Instructional Design (3 credits)
This course serves to introduce and provide experience with the systems approach to the design of instruction and training. Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 635 Networks: Config & Implement (3 credits)
This course will discuss basic PC architecture and concepts, wired and wireless networks. Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 640 Technology Plan Across Curr (3 credits)
In this course, students will formulate a systematic process for the identification, selection, use, and evaluation of technology. Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 645 Teach & Learn at a Distance (3 credits)
This course is designed to prepare students with knowledge, skills, and tools in the area of Distance Communications. Topics covered include communications technology, delivery systems, instructional development for distance education, and program quality assessment. Note: offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 646 Cultur Ling: Diversity & Techn (3 credits)
This course introduces candidates to key theories, critical issues, and research-based practices related to promoting the language and literacy development of culturally and linguistically diverse students (PK-12), with a special focus on English language learners (ELLs). Note: required for Certification; offered in an 8 week accelerated format
Restrictions: Enrollment is limited to Graduate level students.

ITAL 650 Emerging Internet Technologies (3 credits)
ITAL 655 Del Instruct-Interact Peripher (3 credits)
ITAL 690 Instruct Tech Corporate Intern (6 credits)
ITAL 695 Graduate Internship (6 credits)
In this course, students will develop knowledge and skill in the area of using current peripherals such as iPads, Smart Boards, Classroom Performance Systems and Flipped Classrooms. Student's work environments will drive the choice of projects. Note: offered in an 8 week accelerated format.
Restrictions: Enrollment is limited to Graduate level students.
INTERDISCIPLINARY (INT)

INT 101 Seminar in Learning Strategies (1 credit)

INT 102 Adult Seminar in Learning (3 credits)

INT 354 Psychology and Religion (3 credits)
This course enters into the ongoing dialogue between psychology and religion, focusing first upon what psychologists have to say about the phenomenon of religion as it relates to culture, society, and the individual, then also considering ways in which religious people have articulated (from "non-psychological" perspectives) viable "psychologies" as well. The course surveys psychological thinking about religion in the works of James, Freud, Maslow, Jung, Allport, and more contemporary psychologists of religion. In addition, it focuses upon specific issues and problems related to religious experience and behavior, exploring what both psychologists and "religionists" have to say about such phenomena as cults, conversion, prayer and ritual behavior, shamanism, meditation, religious intolerance, and altruism.
Prerequisites: PHL 154 and THE 154
Attributes: Faith Justice Course, Faith-Reason Course (New GEP), Undergraduate

INT 390 McNulty Seminar I (0 credits)
Topics and agenda may include outside speakers, local speakers, and discussion of special topics in science, mathematics and computer science, especially as they relate to women in these and associated areas. McNulty Program Scholars, Associates, and Fellows are required to attend each semester. Graded on a P/NP basis.
Attributes: Undergraduate

INT 391 McNulty Seminar II (0 credits)
INTERDISCIPLINARY HEALTH SERV (IHS)

IHS 110 Psych Aspects Illness & Disab (3 credits)
A survey of the psychological, social, and behavioral theories as they relate to the experiences of chronic illness and disability with particular emphasis on how bio psychosocial factors impact motivation, social support, and life satisfaction. Current theories, as they apply to the epidemiology of public health behaviors throughout the life cycle are evaluated. An inquiry into the health needs of women, children, and ethnic minorities is explored, as well as how society perceives and responds to people with illnesses and disabilities.
Attributes: Undergraduate

IHS 150 First Year Seminar (3 credits)
This is a first year seminar course designed to introduce non-major students to several major themes of American health care and to a comparison of this country's health care system in relation to the health care systems of other countries. These macro health care issues include the social, political, and cultural foundations for health care, the economics of health care delivery, the ethical frameworks countries use to establish their interpretation of acceptable performance and behavior, the process by which the United States and other countries develop and implement their health policies, and what are now global trends for health care regardless of historical past, political system, or social cultures. The course requires significant analysis and critical review, application of data mining and literature reviews to study the unique aspects of the American health care system and how this system compares to those of other countries.
Attributes: First-Year Seminar, Globalization Course (New GEP), Undergraduate

IHS 151 Global Health Care (3 credits)
IHS 211 HlthCareSystem/ Responsibility (3 credits)
An introduction to public health and the organization and structure of the health care delivery system in the United States. This course will focus upon the various types of health care services, where these services are provided, ways to assess and keep track of diseases and public health care needs, health policies, and administration of these services. Also included will be a discussion of how legal, economic, psychological, cultural, political, ethical, and technological forces affect health care and the people who provide it. An introduction to managed care including current and evolving models, terminology, and differences among insurers and payer types will be included.
Attributes: Undergraduate

IHS 216 Alcohol, Drugs & Society (3 credits)
IHS 217 Mental Health & Society (3 credits)
This course examines the connections between mental health and society. What are the major forms of mental and behavioral health and illness? How widespread are mental disorders and what predicts their occurrence? What impact do they have on society and institutions such as health care and criminal justice? How does mental illness relate to social norms? What roles do psychiatric diagnoses play in society and how do diagnoses affect individuals relative to society?
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.
Attributes: Undergraduate

IHS 243 HelpHealing:EthicsCommPersonal (3 credits)
IHS 244 Health Care Administration (3 credits)
This course focuses on the fundamental principles and theories of administration in a number of different types of health care and public health organizations. It covers areas of management, supervision, and leadership required in today's complex health care settings such as hospitals, public health agencies, physician practices, clinical departments, ambulatory and long-term care settings, and health education programs with an emphasis on human resources, finance, budgeting, planning, customer relations, systems design, outcome measures, and program evaluation. It recognizes the unique characteristics of health care organizations and what is needed to operate clinical, educational, and public health programs in this environment. Critical administrative strategies will be presented giving students opportunities to understand their importance and how they may be applied. Through various instructional methodologies such as case studies, team assignments, guest presentations, and role-plays, students will experience the rich, exciting environment of health care administration.

IHS 248 Hlth and the School aged Child (3 credits)
This course introduces students to some of the unique health issues faced by the school-aged child. In contemporary society, schools have become one of the primary avenues of health care; the school is responsible for assuring that a child has received all of his/her required vaccinations and regular health examinations. Schools provide routine health screenings for diseases such as high blood pressure, and often are the first to notice mental health problems such as Depression, ADHD, eating disorders, and addictions. In addition, schools are required to provide regular health education programs relative to prevention of illness, physical fitness, and sex education. Issues such as coping with childhood chronic illnesses including Type I Diabetes and Asthma, what happens when a child is diagnosed with cancer, AIDS, a learning or physical disability, or Depression, as well as the importance of proper nutrition, physical fitness, mental health, and the reduction of risky health behavior will be addressed.

IHS 251 Healthcare Law and Ethics (3 credits)
This course provides an overview of legal and ethical issues central to the health care delivery system and their impact on individual institutions and professionals. The relationships among biomedical and technology, societal changes, court rulings, and governmental legislation within the context of the healthcare system will be examined. During the regular fall and spring semesters, this course fulfills the overlay requirement of an ethics intensive course.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP)

IHS 252 Health Care Policy (3 credits)
This course will explore health care policy issues (such as Medicare, Social Security, Medicaid, Long-Term Care, AIDS/HIV programs) and lead to a general understanding of the health care policy process. Focus will be placed on examining the various factors that lead to health care policy at the state and national level, and how health care policy impacts health care professionals' ability to deliver care and consumers' ability to utilize care in an ever-changing environment. The role of the political process to address issues revolving around cost of health care, access to and quality of that care will be addressed. During the regular fall and spring semesters, this course fulfills the overlay requirement of an ethics intensive course.
Attributes: Undergraduate
IHS 253 Nutrition: Health & Disease (3 credits)
The number of children who are obese or overweight in the United States has tripled in the past twenty years. Being overweight puts people at risk for heart disease, diabetes, and other health-related problems. A basic knowledge in the science of food helps people make wise food choices, avoid disease, and to live longer, more productive lives. This course explores fundamentals of nutrition, diet-related diseases and current issues. The content material of IHS 253 Nutrition: Health and Disease overlaps with the content of CHM 110 Food Chemistry I and CHM 111 Food Chemistry II. Students may take either Nutrition or the Food Chemistry courses, not both.
Attributes: Undergraduate

IHS 255 Human Sexuality and Disease (3 credits)
Human Sexuality and Disease explores the biological, psychosocial, behavioral and cultural perspectives of human sexuality. The course has a strong emphasis on sexual anatomy and physiology, pathophysiology, and health behaviors.
Attributes: Undergraduate

IHS 256 HIV/AIDS (3 credits)
This course offers the student the opportunity for an in-depth assessment of one of the most critical public health issues facing the world today. Topics include current HIV/AIDS information as well as exploration of related issues including politics, sexuality, homophobia, ethical issues, discrimination, international implications, and worldwide economic effects. This class will include site visits to local agencies in the Philadelphia area as well. During the regular fall and spring semesters, this course fulfills the overlay requirement of an ethics intensive course.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

IHS 263 Theory: Addiction/Addictive Behav (3 credits)
This course involves the study of the nature and causes of substance abuse and other compulsive behaviors. The historical and socio/cultural/economic trends are evaluated in view of current and new addiction theories and treatment interventions. Emphasis is placed upon the relation of addiction to family and work environments.
Attributes: Undergraduate

IHS 270 Violence Aggression: Deconstruct (3 credits)
IHS 276 The Continuum of Adult Health (3 credits)
This course will focus on the demographic, political, economic and psychosocial issues of adults along the continuum of health from community-based services to home care, hospice, hospital and nursing home settings. The course will focus on the interventions that health providers can use to maximize safety, function and social stability in the community, deferring or delaying institutionalization. Specific topics will include fall prevention, medication safety, telemedicine applications, HIV transmission prevention, improving cognitive function, improving nutrition the effects of widowhood, increasing longevity, improving the quality of life and the quality of care of adults and the avoidance of hospitalization and nursing home placement.

IHS 280 Global Health Disparities (3 credits)
IHS 285 Med Terminology & Health Comm (3 credits)
Students, within the Interdisciplinary Health Services Major/Minor, are exposed to many courses related to acute illness, disease and prevention. Ongoing advancement in the allied health professions dictates the need for students to understand proper medical and anatomical terminology to include its source language, evolution and application in the field of medicine and allied health. The need to understand proper medical and anatomical terminology is imperative as this language provides proficient communication between members of the same profession, minimizing the potential for misinterpretation in such a highly critical field. This course will introduce and educate students to a substantial medical vocabulary comprised of prefixes (location of an organ, the number of parts, or time involved), word roots (body part) and suffixes (condition, disease process, or procedure) which are utilized by health care practitioners as a devoted language. This course will describe the human body, coupled components, conditions, processes and medical treatments; providing the proper medical vocabulary for each.

IHS 315 The Culture of Addiction (3 credits)
IHS 323 Health and Society (3 credits)
Health and health care are of central concern in a post-industrial society. This course examines sociological issues in health and health care, with special focus on the contemporary United States. How do such factors as race, gender, and social class shape physical and mental illness? How is health care organized, and what professions and organizations make up the health care sector? How have health and health care become major social problems, and what are the prospects for major social change in society’s response to health issues? During the regular fall and spring semesters, this course fulfills the overlay requirement of a diversity, non-western or globalization course.
Attributes: Diversity Course (New GEP), Undergraduate

IHS 325 Theories: Disease Prevent Mgmt (3 credits)
Health theories provide practitioners with tools to understand health-related behaviors and develop effective interventions against disease. This course introduces students to commonly used models and theories, such as the Health Belief Model, Stages of Change, Diffusion of Innovations, Social Cognitive Theory, Health Communications, and Social Marketing. The theoretical foundations apply to the leading causes of death and disability in the United States, heart disease, cancer, and injuries.
Attributes: Undergraduate

IHS 331 Statistics & Research Methods (3 credits)
Statistics and Research Methods introduces students to research methods and data analyses as they apply to research in the health services field. Topics are human participant protections, research designs, instrumentation, validity, reliability, quantitative and qualitative data analyses, and drawing conclusions. Students are responsible for developing a research idea, writing an extensive review of the literature, analyzing data, and discussing the results. This course is approved as a faith justice studies course. During the regular fall and spring semesters, this course fulfills the overlay requirement of a writing intensive course.
Prerequisites: ENG 101
Attributes: Undergraduate
IHS 331L Stats Research Methods Lab (0 credits)

IHS 343 HelpHealing:EthicsCommPersonal (3 credits)
This course will provide students with a hands-on practicum-style learning environment and explores health-related counseling theories and techniques to build the skills necessary for engaging with patients and clients as future health professionals. Using a three-phase approach which merges contemporary health issues (e.g., violence, addiction, overweight/obesity) with skill-building activities, students develop the basic skills needed for effective one-on-one, group, and crisis counseling to support prevention and treatment of disease. Students will gain competencies including but not limited to: interviewing techniques; active listening; decision making; problem-solving; and factors affecting energy, control, and symptoms of patients and clients. The course will also emphasize basic models in counseling (e.g., behavioral counseling; Gestalt, Rational-Emotive and Rogerian therapies; crisis counseling) and proven helping techniques. Upon completion, students will be able to critically assess, discuss, and demonstrate effective counseling and assessment with individuals and groups.
Attributes: Undergraduate

IHS 345 DyingWell:The Hospice Movement (3 credits)
This course examines how people across cultures and throughout history have responded to the challenge of dying. It will examine cultural practices relating to treatment of the death and to care of the dying, as well as the process of confronting one’s own death from a psychological perspective. After describing the limitations of the traditional medical (curative) model’s approach to death, the course will study the hospice movement: its history, philosophy, and practices of caring. In addition to specific models and essential components of hospice care, administrative issues (legal, reimbursement, human resources) will be addressed. This course will include presentations by and interviews with hospice workers, as well as a survey of hospices in the metropolitan area. This course includes a weekly service-learning requirement.
Attributes: Undergraduate

IHS 346 Admin of HlthCare/PublicHealth (3 credits)

IHS 349 Managed Health Care (3 credits)

IHS 354 Diversity Ldship in Hlth Care (3 credits)
The impact of valuing diversity and multiculturalism is profound in the healthcare field. Research has long suggested that health outcomes and health services delivery are improved when caregivers and managers integrate genuine valuing of diversity in their operations. This course offers students the means to develop effective awareness, knowledge and sensitivity concerning diversity and multiculturalism. It provides strategies and insights allowing students to build their leadership skills in this critical area and then apply such knowledge and competencies in the field itself.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.
Attributes: Undergraduate

IHS 357 Autism Spectrum Disorders (3 credits)

IHS 359 PlanningEvaluatingHealthPromo (3 credits)
Community health education programs are a cost effective way to prevent injuries and diseases. The most effective programs are theory based, include an evaluation component, and are tailored to the audience. This course takes students through the process of health promotion planning including theoretical foundations, needs assessment, program development, and evaluation. Development and implementation of a health promotion project is a core component of the course.
Attributes: Undergraduate

IHS 360 TherapRolesAnimals in Hlthcare (3 credits)
This course is designed to give students an understanding of animals in formal roles of support within society. Various levels of animal-assisted interventions and their legal implications, including Emotional Support Animals, Animal-Assisted Activities, Animal-Assisted Therapy, and Service Animals will be reviewed. The role of animals providing services to people with autism spectrum disorders, children with cancer, individuals with psychiatric disorders, the elderly, and individuals with physical disabilities will be discussed. The history of Animal-Assisted interventions leading up to their current status will be addressed.
Prerequisites: IHS 110, IHS 465, PSY 208, or SOC 217.
Attributes: Undergraduate

IHS 368 Just Hlth Care Dev Nations (3 credits)
An investigation of adequate health care as a fundamental human right. The course will proceed from the premise that socially induced needs are a result of historical development of material and social conditions, coupled with a social consensus that some things are necessary for happiness, social life, or some other goal. It will consider the inability of many societies to supply adequate health care as an issue of basic personal dignity, a claim against society, and as a matter of justice. The course will examine the issue of just health care for all peoples from both public health and ethical perspectives. Latin American Studies.
Prerequisites: PHL 154
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.
Attributes: Globalization Course (New GEP), Undergraduate

IHS 370 Special Topics in Health Servi (3 credits)

IHS 441 Alt Med/Non TraditionalTherapy (3 credits)
This course introduces students to the history and practice of complementary medicine and non-tradition therapies. Included will be an overview of the debate between eastern and western societal approaches to medicine, the relationship between mind and body in health and illness, how cultural issues affect the way individuals feel about and comply with their medical treatment, some of the non-traditional therapies used in the treatment of physical and psychological illness such as art and music therapy, and the overall emphasis on wellness promotion.
Attributes: Diversity Course (New GEP), Globalization Course (New GEP), Non-Western Studies (GEP), Undergraduate

IHS 458 Public Health & Epidemiology (3 credits)
This course introduces the basic principles and methodologies used in epidemiology and will demonstrate how these are applied to the field of public health. Topics to be covered will include historical perspectives of epidemiology, measures of disease occurrence and association, clinical epidemiology, disease screening, causal inference, and study design.
Attributes: Undergraduate
IHS 458L Epidemiology Lab (0 credits)

IHS 465 Intro: Autism Spectrum Disorder (3 credits)
Autism Spectrum Disorders (ASD’s), including Autism, Pervasive Developmental Disorder, and Asperger’s Syndrome, are common, occurring in 1 in 166 individuals. The result of a neurological disorder that affects the functioning of the brain, ASD’s impact social interactions and communication skills. The types of ASD’s range in severity from very low functioning associated with significant cognitive deficits and highly disruptive behaviors, to very high functioning, associated with highly gifted intelligence and “quirky” behaviors. This course introduces students to the neurology, symptoms, diagnostic criteria, causes, biomedical treatments, and behavioral interventions, as well as to the impact on individuals with ASD’s, families, friends, school districts, the economy, and society with regard to functioning, coping, prognosis, and outcomes.
Attributes: Undergraduate

IHS 466 ABA and Autism Treatment (3 credits)
This course is designed to introduce the current research-based interventions in the field of autism that include applied behavior analysis (verbal behavior, discrete trial instruction, picture communication, Pivotal Response Training, Competent Learner Model), TEACCH, and social skills. Students will gain a general understanding of applied behavior analysis principles and how they can be used across multiple environments (home, school, early intervention, clinics) to address the various social, behavioral and communication deficits of individuals with autism. IHS 465 is recommended prior to or concurrently with this course.
Attributes: Undergraduate

IHS 467 Social Skills Dev. and Autism (3 credits)
Social skills are learned behaviors that individuals need to successfully navigate social interactions and relationships. This course introduces students to a variety of approaches for assessing and improving the social skills of individuals with Autism Spectrum Disorders. A variety of empirically validated methodologies will be discussed, including incidental teaching; video modeling; social stories; and using textual cues. Students will learn to apply these methodologies to teach skills such as joint attention, greetings, conversations, social play, self-awareness, perspective-taking, critical thinking, developing friendships, and community and home success. IHS 465 is recommended prior to or concurrently with this course.
Attributes: Undergraduate

IHS 468 Resources & Advocacy for Autism (3 credits)
Intervention and therapeutic services are critical to improving the lives of children and adults, and advocating for individuals with autism is an important process in securing these services. This course introduces students to the role that therapists, physicians, families, case workers and community agents serve in advocating for those with autism, where services are provided, how they are funded, what they offer those with autism, and how to advocate for individuals with autism. IHS 465 is recommended prior to or concurrently with this course.
Attributes: Undergraduate

IHS 469 Adult/Transition Autism Serv (3 credits)
This course focuses on understanding the issues facing adults with Autism Spectrum Disorder. Students will learn about issues adults with ASD face including independent living skills, friendships, sexual relationships and marriage, finding and coping with employment, secondary education, post-secondary education, psychiatric disturbances in adulthood, legal issues, and enhancing independence. Students will learn the newest research and intervention techniques to promote a successful transition to adulthood. IHS 465 is recommended prior to or concurrently with this course.

IHS 470 Senior Seminar (3 credits)

IHS 471 Special Topics in Autism (3 credits)
Autism Spectrum Disorders (ASD), including Autism, Pervasive Developmental Disorder, and Aspergers Syndrome, are common. The result of a neurological disorder that affects the functioning of the brain, ASD’s impact social interactions and communication skills. The types of ASD range in severity from very low functioning associated with significant cognitive deficits and highly disruptive behaviors, to very high functioning, associated with highly gifted intelligence and “quirky” behaviors. This course is a continuation of Intro to Autism Spectrum Disorder and provides advanced topics in the causes, treatments and implications of autism. The format for this course is seminar style. This will primarily consist of significant student involvement.
Prerequisites: IHS 465

IHS 472 Seminar in Autism (4 credits)
In this course, important topics on Autism Spectrum Disorders will be discussed in more detail and students will design an individualized behavioral project. This project will help students to focus on the specific needs of children or adults with autism by developing particular types of goals, services, programs, or other relevant activities. This course will also involve designing a plan for working with individuals with autism to help improve the quality of their functioning in meaningful areas of their lives. In addition, this course will serve as the third practicum course for BCaBA certification. This course will also include the third practicum requirement for BCaBA certification. Only open to students completing the BCaBA sequence. Prerequisites: IHS 465; IHS 466; IHS 467; IHS 473; IHS 474 and Senior Status.

IHS 473 Advanced Principles of ABA (4 credits)
This course is designed to expand upon the previously learned concepts of behavior analysis and connect it to the practical world for teachers and educators. In this course, students will gain an understanding of how to use the principles and practices of applied behavioral management in the classroom. Classroom-based examples and practices firmly grounded in research will be discussed. This course will address identifying target behavior, collecting and graphing data, functional assessment, experimental design, arranging antecedents and consequences, generalizing behavior change, and the importance of ethical considerations in using applied behavior analysis in the classroom. Students will also have the opportunity to analyze classroom examples that show teachers using applied behavior analysis techniques in different settings. This course will also include the first practicum requirements for BCaBA certification. Prerequisites: IHS 465, IHS 466, and IHS 467.
Prerequisites: IHS 465 and IHS 466 and IHS 467 (may be taken concurrently)
Attributes: Undergraduate
IHS 474 Functional Analysis and Ethics (4 credits)
This course is designed to expand upon the previously learned concepts of behavior analysis and will present the student with information on observation, data collection, and data interpretation. Students will learn the methods for obtaining descriptive data and the procedures for conducting systematic manipulations. Functional assessments and analysis of individual behaviors will be a primary focus. Specific single subject experimental designs will be discussed. The ethical considerations inherent in behavioral assessment, treatment, and research will be reviewed. This course will also include the second practicum requirements for BCaBA certification. Prerequisites: IHS 465, IHS 466, IHS 467, and IHS 473.
Prerequisites: IHS 465 and IHS 466 and IHS 467 and IHS 473 (may be taken concurrently)
Attributes: Undergraduate

IHS 475 Coping with Autism (3 credits)
This course explores how families and service providers cope with autism. The impact of autism on parents, siblings, grandparents and others close to the family is discussed, particularly around coping with the behaviors associated with autism and the reactions of others. In addition, how families cope with complex issues such as school placement and support services, respite time, marital relationships, economics of paying for services and other important and difficult issues faced by those who care for children and adults with autism are presented. Finally, the impact on service providers and their strategies for effective coping are explored.
Attributes: Undergraduate

IHS 480 ABA Practicum I (3 credits)
IHS 480F ABA Practicum I supervision (0 credits)
IHS 481 ABA Practicum II (3 credits)
IHS 481F ABA Practicum II supervision (0 credits)
IHS 482 ABA Practicum III (3 credits)
IHS 482F ABA Practicum III supervision (0 credits)
IHS 490 Internship in IHS (3 credits)
This course will provide students with direct, hands-on experience in the health care field in an instructional setting. Offered in the summer only. Permission of the Director is required.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.
Attributes: Undergraduate

IHS 491 Internship in Autism Studies (3 credits)
The course will provide students with direct, hands-on experience in working with children and/or adults with autism in a highly supervised, instructional setting. Offered in the summer only. Permission of the Director is required.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.

IHS 493 Independent Study (3 credits)
Students who have completed four regular semesters with an overall grade point average of 3.0 (or cumulative average of 3.4 or higher for courses in the major field) may, with the prior approval of the chairs and Dean's office concerned, register each semester for one upper division course in the major field (or a closely related field) to be taken in the Independent Study/Directed Readings or Research/Tutorial format. Such courses are offered to enrich the student's major program and not as a special arrangement to facilitate a student's fulfillment of course or credit requirements. Additional conditions are described in Guidelines for Directed Readings, Independent Study, and Similar Courses issued by the appropriate Dean's Office.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.
Attributes: Undergraduate

IHS 494 Independent Study (3 credits)
Students who have completed four regular semesters with an overall grade point average of 3.0 (or cumulative average of 3.4 or higher for courses in the major field) may, with the prior approval of the chairs and Dean's office concerned, register each semester for one upper division course in the major field (or a closely related field) to be taken in the Independent Study/Directed Readings or Research/Tutorial format. Such courses are offered to enrich the student's major program and not as a special arrangement to facilitate a student's fulfillment of course or credit requirements. Additional conditions are described in Guidelines for Directed Readings, Independent Study, and Similar Courses issued by the appropriate Dean's Office.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.
Attributes: Undergraduate

IHS 495 Seminar in Inter Health Svc (3 credits)
This course is offered as one of the final courses in the Interdisciplinary Health Services major to provide students with a solid platform in leadership, professionalism, and career development. Course content is based upon two overarching educational goals. The first major goal is to synthesize key themes and information that constitute the IHS curriculum, allowing students to review critical concepts and material. The second major goal is to help students transition from their undergraduate environment to the world of professional careers in health care; professional education in various clinical fields; or graduate education in health administration, public health, or health education. Prerequisites: IHS 110, 211, 323
Prerequisites: (IHS 2101 or IHS 110) and (IHS 2231 or IHS 323 or SOC 323) and (IHS 2111 or IHS 211) and (IHS 2311 or IHS 331 (may be taken concurrently))
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Interdisciplinary Health Srvs.
Attributes: Undergraduate
INTERNATIONAL BUSINESS (IBU)

IBU 150 Cultrl Divers & Intern'l Bus (3 credits)
The course develops the understanding that cultural diversity is a crucial component of sustained and productive cross-border interactions in general and international business in particular. It discusses the power of diversity whereby the whole can be made greater than the sum of the parts. Through in-class exercises and out-of-class assignments, the course leads students to accept that their framework for looking at the world around them, i.e., their worldview, may be very different from that of other cultures. The course encourages students to explore their comfort level with different views of the world through experiential exercises and through investigation of some causes for differences across cultures. It introduces and develops critical thinking regarding the role of business and its obligations to all stakeholders while developing the notion of corporate social responsibility. First Year Seminar
Attributes: Diversity Course (New GEP), First-Year Seminar, Globalization Course (New GEP), Undergraduate

IBU 210 Intro International Busines (3 credits)
This course is designed to introduce students to the basic concepts of international business by examining the following: 1) Country differences in political economy and culture; 2) Theories and politics of international trade, foreign direct investment and regional economic integration; 3) International operations from a functional perspective (i.e. Marketing, Operations, and Human Resources).
Attributes: Globalization Course (New GEP)

IBU 270 International Bus Spec Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

IBU 310 Managing Foreign Direct Invest (3 credits)
This course is designed to provide students with a deeper understanding of international business by examining the following: 1) Theories of foreign direct investment (FDI) and international trade; 2) types of multinational corporations (MNCs) and MNCs' global strategies; 3) managing entry, operation, and exit-level managerial issues, including exchange rates and risk. This course is primarily geared towards juniors who are interested in majoring or minoring in International Business.
Prerequisites: MGT 110 or MGT 120 or MGT 121
Restrictions: Enrollment limited to students with a class of Junior, Sophomore or Senior.
Attributes: Globalization Course (New GEP), Undergraduate

IBU 363 International Business Law (3 credits)

IBU 370 Intern'l Topics & Study Tour (3 credits)
The objective of this course is to participate in a study tour or similar experience offering numerous corporate and institutional visits to allow first hand exploration of business issues. Emphasis will be placed on accounting, economic, finance, management, and marketing issues for various firms. A secondary objective is to expose students to different national cultures and cultural issues related to business. A third objective is to focus on one or more current business topics affecting at least two functional areas. Students will be expected to analyze the impact of the topic (s) on the various areas of business, particularly on the operation of multinational corporations. Prerequisites: none
Attributes: Undergraduate

IBU 420 International Management (3 credits)

IBU 470 Spec Topics in Internat Bus (3 credits)

IBU 471 Int Business Practicum (1 credit)
This course is meant for students with opportunities working over the course of the semester/summer whose employers require a credit as condition of employment. To apply, the student submits a letter to the chair explaining why the practical training is required and includes a letter from the employer. The student submits to the department chair an 8-10 page paper at the end of the practical training describing their work responsibilities and what skills s/he acquired by participating.
Prerequisite/co-requisite: Student’s major must be management or approved by the chair and have completed MGT 110 or MGT 120 or MGT 121 or equivalent. Does not satisfy any major, minor, general education or elective requirement. Grade is Pass/Fail. May be repeated once. Permission of Chair required.
Attributes: Undergraduate

IBU 472 International Busine Practicum (1 credit)

IBU 490 International Bus Internship (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.
Attributes: Undergraduate

IBU 493 Internatnl Business Research I (3 credits)

IBU 494 Internmtl Business Research II (3 credits)

IBU 495 Global Strategic Planning (3 credits)
This course is the capstone class of the International Business program and focuses on the management of corporations operating internationally. The international environment implies greater opportunities as companies have access to a wider variety of markets and resources. However, this environment also implies greater managerial challenges. The aim of this course is to investigate how this greater complexity affects the management of companies that are international. Prerequisite IBU210 MGT 110/120/121 and PHL154, and senior standing
Prerequisites: IBU 210 and (MGT 110 or MGT 120 or MGT 121) and PHL 154
Restrictions: Enrollment limited to students with a class of Senior.
Attributes: Ethics Intensive (New GEP), Undergraduate

IBU 661 International Management (3 credits)
This course examines the international business environment, management practices outside the United States, and the interpersonal, organizational and institutional, issues facing managers conducting business in more than one cultural context. Prerequisite: Completion or waiver of MGT 500.
Restrictions: Enrollment is limited to Graduate level students.

IBU 662 International Business Law (3 credits)
The purpose of this course is to acquaint the student with the international legal environment in which businesses operate. It will introduce the students to international business law as it has evolved over the centuries. It will also introduce students to national, regional and international organizations that regulate foreign commerce, including how international disputes are resolved. International sales, credits, and international trade will be examined, as well as international and U.S. trade law. Prerequisites: Completion or waiver of MGT 500.
Restrictions: Enrollment is limited to Graduate level students.
IBU 663 Manage Intl Strategic Alliance (3 credits)
This course examines formation, management, and evolution of international strategic alliances (including international joint ventures) as the most frequently used and uniquely characterized mode of entry into foreign markets. Completion or waiver of MGT 500.
Prerequisites: MGT 500

IBU 770 International Bus Study Tour (3 credits)
A specially designed international tour to varying countries which offers students a unique opportunity to study international management—its dimensions, participants, trends, and opportunities. Students will also experience the heritage, ambience and excitement of the world’s great countries and cities. Prerequisite: MGT 551 or MGT 553.
Prerequisites: MGT 551 or MGT 553

IBU 771 Topics: International Business (3 credits)
This course covers topics of current interest in the field of leadership. The specific subjects and prerequisites will be announced in the course schedule. Prerequisite: MGT 551 or MGT 553.
Prerequisites: MGT 551 or MGT 553
INTERNATIONAL RELATIONS (IRT)

IRT 211 World Regional Geography (3 credits)
World Regional Geography is a course of social and spatial inquiry; it helps students compare and contrast societies and cultures. For nearly every area of the globe, this course explores how physical geography, the environment, politics, population, culture, and economy have shaped and continue to shape the diverse lives of people living on this increasingly connected planet. Furthermore, as a geography course, special attention is paid to how issues of place and scale influence and are influenced by human activity. Thus this course not only sheds light on what is out there in the world, but also the major patterns and processes that cut across regions and explain why what is out there is where it is.
Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

IRT 250 Research & Writing in INTR (3 credits)
This course exposes students to some classical theories in international and comparative studies. It will also introduce students to different methodologies appropriate for performing undergraduate research in International Relations. Throughout the semester, students will work on developing and completing their own research project, and the final product will be a significant paper which they will write in multiple drafts.
Prerequisites: POL 113 (may be taken concurrently) and POL 115 (may be taken concurrently) and ENG 101
Restrictions: Enrollment is limited to students with a major in International Relations or Political Science.
Attributes: International Relations Course, Undergraduate

IRT 493 Honors Rdgs & Research in IR (3 credits)
These courses are for students pursuing College Honors. Students must both have a 3.5 GPA as junior and generate a research proposal for a year-long project to be completed under the supervision of a member of the IR Committee. Interested students apply to the Honors Program by April 15 of their junior year for the right to perform Departmental Honors. Majors then work on their project from the summer prior to and throughout their final year at the University. For more information, please consult the Honors Program or the Director of the International Relations Program.
Attributes: International Relations Course, Undergraduate

IRT 494 Honors Rdgs & Research in IR (3 credits)
These courses are for students pursuing College Honors. Students must both have a 3.5 GPA as junior and generate a research proposal for a year-long project to be completed under the supervision of a member of the IR Committee. Interested students apply to the Honors Program by April 15 of their junior year for the right to perform Departmental Honors. Majors then work on their project from the summer prior to and throughout their final year at the University. For more information, please consult the Honors Program or the Director of the International Relations Program.
Attributes: International Relations Course, Undergraduate

IRT 495 IR Senior Capstone Seminar (3 credits)
Designed to be a culminating experience for all senior International Relations majors, this course provides students with an opportunity to pursue research on a topic of their choosing and present their papers to the class.
Prerequisites: (POL 231 or IRT 250) and ENG 101
Restrictions: Enrollment is limited to students with a major in International Relations or Political Science.
Attributes: International Relations Course, Undergraduate
ITALIAN (ITA)

ITA 101 Beginning Italian I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students with no experience with the Italian language. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of IT101
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Italian 102 Placement, Italian 201 Placement, Italian 202 Placement or Italian 301 Placement attributes may not enroll.
Attributes: Undergraduate

ITA 102 Beginning Italian II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid/high level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 101 or Italian 102 Placement with a score of 1 or Language Placement with a score of IT102
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Italian 201 Placement, Italian 202 Placement or Italian 301 Placement attributes may not enroll.
Attributes: Undergraduate

ITA 111 Adult Learner Beginning ITA I (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ITA 112 Adult Learner Beginning ITA II (3 credits)
Fundamentals of grammar and pronunciation. Extensive oral drill and practice in conversation based on graded readings. Audio-visuals and language laboratory sessions. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 1015 or ITA 111
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ITA 113 First Year Italian III (4 credits)
ITA 150 First Year Seminar in Italian (3 credits)
ITA 201 Intermediate Italian I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 102 or Italian 201 Placement with a score of 1 or Language Placement with a score of IT201
Restrictions: Students with the Italian 202 Placement or Italian 301 Placement attributes may not enroll.
Attributes: Undergraduate

ITA 202 Intermediate Italian II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar, pronunciation, and writing will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 201 or Italian 202 Placement with a score of 1 or Language Placement with a score of IT202
Restrictions: Students with the Italian 301 Placement attribute may not enroll.
Attributes: Undergraduate

ITA 206 The Roman Experience (3 credits)
This month-long, full-immersion course will improve students’ command of Italian as it provides an enriching cultural experience. Students will discover what it means to live amidst ancient ruins, baroque basilicas, and artistic treasures as they navigate the eternal city. Through daily excursions and task-based activities students will acquire practical skills as they are immersed in Roman art, cuisine, culture and history. In particular, we will examine forces that have shaped the world we have inherited through units on the Jesuits in Rome. Fulfills the GEP Art/Lit requirement. Pre-requisite ITA 102 (for ITA 206) and ITA 301 (for 306).
Both courses count toward the minor and major in Italian, and for the major in Italian Studies.
Prerequisites: ITA 102
Attributes: GEP Art/Literature, Undergraduate

ITA 240 Ital BegCult&Civilization Tour (3 credits)
ITA 301 Italian Conversation (3 credits)
This course is designed to help students improve their oral communication skills in Italian through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students’ attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions, and tailoring the discourse to the audience and context. Fulfills the GEP non-native language requirement.
Prerequisites: ITA 202 or Italian 301 Placement with a score of 1 or Language Placement with a score of IT301
Attributes: Undergraduate
ITA 302 Italian Composition (3 credits)
This course is designed to improve students’ ability to communicate in written Italian and to develop the writing skills they will need to succeed in advanced Italian courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. Prerequisite: ITA 301 or permission of the instructor. This course satisfies the GEP writing-intensive requirement. Prerequisites: ITA 301 or Italian 302 Placement with a score of 1 or Language Placement with a score of IT302
Attributes: Undergraduate, Writing Intensive Course - GEP

ITA 303 Advanced Italian Conversation (3 credits)
The purpose of this course is to improve students’ oral command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 304 Advanced Italian Composition (3 credits)
The purpose of this course is to improve students’ written command of the language by means of an intensive practical presentation of the structures and stylistics of the language. We shall read both literary texts and short newspaper articles. The course will be organized thematically around two main areas: issues in contemporary society and Roman literary and historical landscapes. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 306 The Roman Experience (3 credits)
The purpose of this course is to improve students’ oral and written command of Italian through an intensive full-immersion presentation of the structures and stylistics of the language. The course is organized thematically around two main areas: issues in contemporary society and Roman literary and historical landscapes. Students will read twentieth-century writers’ appreciation of Rome, and newspaper articles on local cultural and social issues. While visiting sites described in the readings, interviewing the denizens on local issues, and observing the art and architecture that has left its imprint on western civilization as we know it, students will be asked to comment on their observations both in writing and in group conversation. They will acquire a very personal appreciation of the meraviglie di Roma and will formulate oral and written analyses on social, historical and artistic subjects. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Lit Requirement.
Prerequisites: ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 309 I giovani e l’Italia di oggi (3 credits)
This course offers a unique perspective on contemporary Italy by placing the young generation at the center of study. Students will to improve their communication skills while exploring a variety of narratives — songs, short stories, film, music, poems and newspaper articles—written by, for, or about Italian culture; the course will therefore introduce the analytical tools necessary for literary and film analysis. Political engagement, school life, adolescence, and generational conflicts are among the themes we will discuss. Class activities will provide students the opportunity to express and debate their personal views, which will guide the development and refinement of oral and written proficiency. The expansion of vocabulary and the study of grammar will be incorporated in the discussion of the trends and habits of the young Italian generation. Requirements include a variety of presentations, role-play dialogues, and creative and collaborative projects. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Literature requirement.
Prerequisites: ITA 301 and ITA 302

ITA 310 Italian Stylistics (3 credits)
This course introduces the fundamental principles and techniques of literary analysis in each of the major genres (lyric poetry, short story, theatre, epic poetry, novel), while presenting a sampling of masterpieces and authors from across the Italian literary tradition. By introducing students to the major writers and movements of Italian literature from the thirteenth through the twentieth centuries, we will examine the work of different styles and themes, with specific attention to historical and cultural frameworks. We will pay close attention to the vocabulary used in literary study, as well as to linguistic and stylistic difficulties in textural analysis. Pre-requisite: ITA 301 or permission of instructor. Fulfills the GEP Art/Literature requirement.
Attributes: GEP Art/Literature, Undergraduate

ITA 311 Italian Conversation & Comp I (3 credits)
ITA 312 Italian Conversation & Comp II (3 credits)
ITA 315 Italy Through Art (3 credits)
In this language and culture course students refine their skills while learning about Italy through the medium of art. The approach encourages the development of a critical understanding of individual works by introducing students to the visual language of art. As a survey course, the subject content is chronologically wide ranging, extending from Magna Grecia to the Novecento, and includes a variety of media, including painting, sculpture and architecture. Among the artists covered are Cimabue, Giotto, Donatello, Masaccio, Piero della Francesca, Botticelli, Leonardo, Raphael, Michelangelo, Cellini, Giorgione, Tiziano, Tintoretto, Caravaggio, Canaletto, Guardi, Canova, Modigliani, and De Chirico. By analyzing a variety of cultural artifacts, students will build vocabulary and use advanced grammatical structures. We will also read critical articles on art history and study the University’s Art collection, which includes replicas of Michelangelo’s most famous sculptures. The course is complemented visits to the Barnes Foundation and the Philadelphia Museum of Art. Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor. Fulfills the GEP Art/Lit Requirement.
Attributes: European Studies Course, GEP Art/Literature, Undergraduate

ITA 320 Italian Through Film (3 credits)
Course aims to improve students’ speaking and listening skills and their understanding of Italian culture by viewing and discussing Italian film. Conducted in Italian. Prerequisite: ITA 301 or permission of instructor.
Attributes: Undergraduate
ITA 330 The Ita Bus Wrld & its Lang (3 credits)
This course explores the language and culture of the Italian business world at an intermediate-high to advanced level. Besides developing writing and speaking skills—such as writing c.v., business letters and job descriptions; practicing job interviews, business meetings and presentations—the course analyzes socio-economic issues such as the position of women in the work force, the globalization of the markets of the European Union, and business etiquette through the analysis of Italian articles, the internet and visual materials (TV and movies). Conducted in Italian. Prerequisite: ITA 301 or permission of the instructor.
Attributes: Undergraduate

ITA 340 Italian Culture & Civilization (3 credits)
A survey of the culture of Italy, its geography, history, politics, outstanding personalities, arts, literature, economic and social problems, sciences, and education. Conducted in Italian. Fulfills the GEP Art/Literature requirement.
Prerequisites: ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 345 Art Fashion: la moda italiana (3 credits)
The goal of this course is to facilitate future educators in the teaching of foreign language and to allow those students, who are Education Majors and Minors, to fully comprehend how the multi-dimensional world of bilingualism plays and will continue to play a very important role in the future of this country. This course will examine the intricacies of acquiring a second language through the pedagogical years and into adulthood and will be taught in Italian. It will also examine the communication skills of Italian students learning English and of American students learning Italian. Emphasis shall be placed on the characteristics of interaction within the contexts that facilitate second language acquisition. Students will explore social, environmental and cultural differences and the roles they play in promoting or impeding L2 fluency and pronunciation. Theories and methodologies will be discussed, language classes observed and, eventually, students may have the possibility to teach specific grammar points in first year classrooms. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: (ITA 301 and ITA 302) or (Language Placement with a score of IT345)
Attributes: GEP Art/Literature

ITA 350 Topics & Meth for Teaching Ita (3 credits)
The goal of this course is to facilitate future educators in the teaching of foreign language and to allow those students, who are Education Majors and Minors, to fully comprehend how the multi-dimensional world of bilingualism plays and will continue to play a very important role in the future of this country. This course will examine the intricacies of acquiring a second language through the pedagogical years and into adulthood and will be taught in Italian. It will also examine the communication skills of Italian students learning English and of American students learning Italian. Emphasis shall be placed on the characteristics of interaction within the contexts that facilitate second language acquisition. Students will explore social, environmental and cultural differences and the roles they play in promoting or impeding L2 fluency and pronunciation. Theories and methodologies will be discussed, language classes observed and, eventually, students may have the possibility to teach specific grammar points in first year classrooms. Conducted in Italian. Prerequisite ITA 30 or permission of the instructor.
Prerequisites: Language Placement with a score of IT350 or ITA 301
Attributes: Undergraduate

ITA 360 Modern Italian Culture (3 credits)
The purpose of this course is to study some of the principal characteristics of contemporary Italian culture. The course explores such topics as regionalism, the formation of a national language, the question of national identity, terrorism, the separatist movements, gender relations, feminism, and popular culture. It studies Italian cultural trends in Italy today, outlines their history over the last one hundred years, and explores the future of Italian culture and society. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT360 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 365 Italian Society and the Media (3 credits)
The goal of this course is to develop advanced-level oral/aural and reading/writing skills while addressing key aspects of contemporary Italian culture through the consideration of exclusively authentic materials, such as Italian newspaper and magazine articles, Italian TV broadcasting, and Italian internet sites. We shall also learn how to critique the written and visual Italian media, as well as how to navigate Italian websites. Students will choose readings and topics initially within a given list of categories and, later, among a virtually endless variety of internet sources. Among the topics we may address are: style, fashion and design; geography, art and tourism; the environment; immigration and racism; the position of young people and women in Italian society; current Italian and international events from an Italian perspective. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT365 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 370 Topics in Italian (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Italian speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT370 or ITA 301
Attributes: Undergraduate

ITA 380 Ita Journeys from Marco Polo (3 credits)
This interdisciplinary course investigates Italy’s dual role as the home of legendary travelers and the destination for tourists over the centuries. Through a variety of texts—travel diaries, letters to kings and queens, maps, travel guides and film—we will explore the reality and metaphor of travel in the lives and works of pilgrims, poets, explorers and artists. We will consider three historical periods: the age of discovery (ca. 1300-1600), the grand tour (ca. 1600-1800) and the age of global tourism (ca. 1800-present). The course concludes with a virtual tour of various regions of contemporary Italy. As a final project, students will author their own travel guide to the Italian city (or cities) of their choice. Recommended for students who wish to further their cultural and linguistic preparation before studying abroad, this content-based language course emphasizes the vocabulary and idiomatic expressions necessary for travel in Italy. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT380 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 396 Italian AP Course (3 credits)
This course traces the birth and development of silent film, the transition to sound, and film under fascism, with emphasis on film’s relationship to theatre, literature and social and cultural history. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT401 or ITA 301
Attributes: Undergraduate

ITA 401 Early Ita Cinema-Stage to Scrn (3 credits)
ITA 402 L'Italiano al Cinema (3 credits)
This course investigates major films as both aesthetic and cultural objects. It will introduce major directors, movements, and genres in Italian cinema from World War II to the present. We will study both "film d'autore" (Visconti, De Sica, Fellini, Scola, Risi, Monicelli) and "nuovi registi" (Bellochio, Giordana, Muccino). We will analyze typically Italian historical drama, "commedia all'italiana" and postmodern pastiche and explore contemporary social issues such as regional, ethnic and gender diversity. We will read literary sources, screenplays and film criticism. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT420 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 410 Major Italian Authors (3 credits)
This course focuses on travel through Italy as an educational experience (1860) to the present in literary works and films. We shall consider films by contemporary Italian filmmakers (Visconti, Damiani, Rosi, Fratelli, Tavian), and the literary works on which they are based, including works by D'Annunzio, Pirandello, Levi, and Sciascia. While comparing cinematographic and literary techniques, we shall explore ideological and cultural currents, such as Romanticism, Risorgimento, Realism and Neo-realism. Topics discussed will include: the problems of unification; regionalism and separatism between industrial north and rural south; solitude and marginalization; the search for an identity. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT420 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 420 From Novel to Film (3 credits)
This course studies representations of Italian society from unification (1860) to the present in literary works and films. We shall consider films by contemporary Italian filmmakers (Visconti, Damiani, Rosi, Fratelli, Tavian), and the literary works on which they are based, including works by D'Annunzio, Pirandello, Levi, and Sciascia. While comparing cinematographic and literary techniques, we shall explore ideological and cultural currents, such as Romanticism, Risorgimento, Realism and Neo-realism. Topics discussed will include: the problems of unification; regionalism and separatism between industrial north and rural south; solitude and marginalization; the search for an identity. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT420 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 425 Art&Madman:Renaissance&Reform (3 credits)
What separates genius from madness? Is creativity inspiration or insanity? This interdisciplinary course examines tales of psychosis, violence and the making of artistic masterpieces. We will explore the lives and works of artists and poets, such as Sandro Botticelli, Leonardo Da Vinci, Michelangelo Buonarotti, Vittoria Colonna, Benvenuto Cellini, Galileo Galilei, Caravaggio and Artemisia Gentileschi. A variety of works [poetry, prose, painting and sculpture] will be studied against the backdrop of the crisis of the Italian Renaissance. We will look closely at Counterreformation intellectual debates, religious dissent and persecution. At the center of our inquiry is the figure of the artist—genius, madman, or both? This course will be complemented by guest speakers and a trip to the Philadelphia Museum of Art. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: ITA 301 or Language Placement with a score of IT425
Attributes: GEP Art/Literature, Undergraduate

ITA 430 Images of Rome:Papl Rome - Pres (3 credits)
This course will interpret the symbolic and political importance of Rome in literary works and film. The course is organized historically: from the struggle over Rome within the Risorgimento movement to fascist and war-torn Rome; from the 50’s Rome of reconstruction to the economic boom of the 1960’s, to the socio-political problems of a new multicultural city in the 80’s and 90’s. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT430 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 435 Rebels and Revolutionaries (3 credits)
The course aspires to provide an understanding of the culture of Baroque, Enlightenment and Risorgimento Italy and of its influence on contemporary Italian culture (especially as regards definition of concepts of gender, language and national identity). It considers a variety of genres—novels, poems, essays and plays—in the context of ideological and cultural currents. Audio-visual materials (videos, movies, cd roms) will be used and a variety of subtexts and interdisciplinary relationships will be explored, especially with history, art and philosophy. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT435 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 440 Profane and Sacred Love (3 credits)
The course aspires to provide an understanding of the culture of Medieval and Renaissance Italy and of its influence on contemporary Italian culture. It focuses on how power and gender relationships are reflected in the literature—canzoni, sonetti, ballate, novelle. The works studied belong to the tradition of Courtly Love, Neo-Platonic love and the literature of the Renaissance courtesans and follows the evolution of concepts of sacred and profane love in Italian literature from the thirteenth to the sixteenth centuries. The course considers a variety of subtexts and interdisciplinary relationships especially with history and art history. Audio-visual materials (videos, movies, cd roms) will be used to bring home to the students the sights and sounds of this vibrant age. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT440 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 445 The Medici Court (3 credits)
For the Medici, art and propaganda went hand in hand. This interdisciplinary course investigates the city and family that nurtured artists and humanists [including Brunelleschi, Fra Angelico, Donatello, Botticelli, Poliziano and Michelangelo]. Tracing the rise and fall of the dynasty, we will consider how the Medici fashioned an enduring image of princely power though architecture and music. We will study a variety of texts, including painting, sculpture, poetry and intimate letters exchanged between family members. This course will be complemented by visiting the Medici Collection at the Philadelphia Museum of Art. Conducted in Italian. Fulfills the GEP Art/Lit requirement.
Prerequisites: Language Placement with a score of IT445 or ITA 301
Attributes: GEP Art/Literature, Undergraduate

ITA 450 Italy in Age of Grand Tour (3 credits)
This course focuses on travel through Italy as an educational experience and cultural initiation and aims to improve students’ reading, writing and speaking skills in Italian, while familiarizing them with culturally important sites and encouraging them to think critically about the notion of the Grand Tour. Conducted in Italian Pre-requisite: ITA 301 or permission of instructor.
Prerequisites: Language Placement with a score of IT450 or ITA 301
Attributes: Undergraduate
**ITA 455 Women's Voices (3 credits)**
We will investigate the relation between the emergence of a self-professed woman novelist and the changing ideologies concerning the moral and intellectual nature of women and their role in society. We will not only study the way prominent women intellectuals helped shape the debate on women's condition and on women's writing, but also their original contribution to the interpretation of twentieth century history (e.g. Fascism, the Resistance, the Second World War and the Holocaust). Among the literary theoretical issues we will encounter: the relationship of genre to gender, of gender to writing, and the role of gender values in historiographical representation. We shall read autobiographical and historical novels, as well as essays and non-fictional prose. The course will be complemented by a film and a lecture series. Conducted in Italian. Fulfills the GEP Art/Lit requirement.

*Prerequisites:* Language Placement with a score of IT455 or ITA 301

*Attributes:* GEP Art/Literature, Undergraduate

**ITA 460 Dante, Petrarch, Boccaccio (3 credits)**
This course explores intersections between the lives and the major works of the three "crowns" of Italian literature: Dante Alighieri [1265-1321], Francesco Petrarca [1304-1374] and Giovanni Boccaccio [1313-1375]. By reading selections from Dante's Commedia, Petrarca's Canzoniere and Boccaccio's Decameron, the course aims to contextualize and interpret the literary masterpieces that marked the end of the Middle Ages and the beginning of the Renaissance. We will touch on the social world in which the three crowns lived, highlighting the authors' conceptions of politics, theology, philosophy and the visual arts. Throughout the course, particular attention will be granted to the rivalries, friendships and collaborations that unite the three crowns of Florence. Conducted in Italian. Fulfills the GEP Art/Lit requirement.

*Attributes:* GEP Art/Literature, Undergraduate

**ITA 465 The Birth of a Nation: Italy (3 credits)**
This course encourages a critical approach to the study of Italian unification in its aesthetic, cultural, and political dimensions as well as their repercussions on present-day Italian society and culture. The making of Italians, as Massimo D'Azeglio famously put it, would engage the best Italian minds for the following 150 years. The divisions between North and South, between Church and State, between the government and the people were created or compounded by the making of Italy. The course studies the debate on Italian Unification and the development of an Italian identity in a variety of historical artistic and literary sources, including diaries, letters, treatises, paintings, sculptures, poems and short stories.

**ITA 470 Topics in Italian (3 credits)**
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Italian-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Fulfills the GEP Art/Lit requirement.

*Attributes:* Undergraduate

**ITA 490 Internship (3 credits)**

**ITA 491 Internship (3 credits)**
**ITALIAN STUDIES (IST)**

**IST 150 Ital Cinema-Neoreal to Present (3 credits)**
This course investigates major Italian films as both aesthetic and cultural objects. It offers an introduction to Italian cinema from the 1940’s to the Present, and also to Italian social and cultural history of that time. It introduces major directors, movements, and genres in Italian cinema, focusing on movies that not only are influential masterpieces, but also offer incisive interpretations of their cultural and social milieus, including regional, ethnic and religious diversity; gender diversity; social tensions and class issues. Visconti, De Sica, Fellini, Scola, Belloccchio, Giordana are among the directors we study. 

*Attributes: First-Year Seminar, GEP Art/Literature, Undergraduate*

**IST 350 Mangia! Flavors of Italy (3 credits)**
The expression "Mangia, mangia!" is commonly associated with American stereotypes of Italians. But is the perceived Italian love of food the same in the United States and in Italy? Is it an issue of quantity or quality? Of socio-economics, politics, or education? Is it global, local or both? In this interdisciplinary course, we will explore the role of food in Italian culture and in the shaping of Italian identity, in Italy and abroad. We will trace its evolution through a variety of texts: literature, works of art, music, and film, as well as family recipes. Guest lectures made by Italian chefs in Philadelphia, food tastings, and a visit to the Italian Market, will enrich the course. Fulfills the GEP Art/Lit requirement.

*IST 360 Italian Identities (3 credits)*
In this course, taught in English, we will explore the complex nature of Italian Identities, focusing on race, sex and gender roles, religion, food, art and science. Fulfills the GEP Art/Lit requirement. Does not count toward a minor in Italian. Counts towards a major in Italian Studies and it may count toward the major in Italian, with permission of the Chair of Modern and Classical Languages.

*Attributes: GEP Art/Literature, Undergraduate*

**IST 370 Topics in Italian Studies (3 credits)**
The purpose of this course is to explore specific topics within the Italian-Speaking World. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Classes are taught in English.

*Attributes: GEP Art/Literature, Undergraduate*

**IST 375 Shadow State: Mafia in Italy (3 credits)**
This course explores the nature of organized crime in Italy, its origins, its economic aspects, its connection with politics, its reality beyond stereotypes, and finally, the way it is portrayed in Italian Arts and literature. No pre-requisites required. Does not count toward a minor in Italian. May count toward the major, with permission of the Chair of Modern and Classical Languages. Fulfills the GEP Art/Lit requirement.

*Attributes: GEP Art/Literature, Undergraduate*

**IST 420 Italian Cinema and the Sacred (3 credits)**
Italian culture has been widely influenced by the sacred and many intellectuals have used the Bible as source of inspiration. In this course, we will analyze how Italian filmmakers have approached the dimension of the sacred and how they have depicted it in their movies. We will explore a range of directors from 1940’s Neorealism to the present in order to understand how the relationship with the sacred has evolved over time. Throughout our analyses, we will engage in dialogue with selected Italian writers in order to see how they have approached the sacred. The course also considers the role of Jesuits in Italian society through the study of a film set in a Jesuit monastery in contemporary Venice. Fulfills the GEP Art/Lit requirement.

*Attributes: GEP Art/Literature, Undergraduate*

**IST 460 The Art of Dante’s Inferno (3 credits)**
An interdisciplinary reading of Dante’s Inferno from the perspectives of the history of art, music and cinema provides the focal point for this course. Primary sources from across the fine arts span seven centuries of reception, and include architectural (Terragni’s “Danteum”), visual (medieval manuscripts, Doré, Greenaway), musical (Franz Liszt, Puccini) and sculptural (Rodin) interpretations of the poem. Visits to the Saint Joseph’s University art collection and to the Rodin Museum will complement the course. Taught in English. Fulfills the Art/Lit requirement of the GEP. Counts toward a major in Italian Studies. Counts towards a minor in Art History.

*Attributes: GEP Art/Literature, Undergraduate*
JAPANESE (JPN)

JPN 101 Beginning Japanese I (4 credits)
Proficiency-based instruction will encourage the development of speaking and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. This course is reserved for beginning students with no experience with the Japanese language. Fulfills the GEP non-native language requirement.

Prerequisites: Language Placement with a score of JP101
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Asian Studies Course, Undergraduate

JPN 102 Beginning Japanese II (4 credits)
Proficiency-based instruction will encourage the development of speaking and listening comprehension, with some focus on understanding Japanese characters. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid level according to ACTFL – American Council on the Teaching of Foreign Languages. Prerequisite: Fulfills the GEP non-native language requirement.

Prerequisites: JPN 101 or JPN 101 or Language Placement with a score of JP102
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Asian Studies Course, Undergraduate

JPN 201 Intermediate Japanese I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high/intermediate low level according to ACTFL – American Council on the Teaching of Foreign Languages. Fulfills the GEP non-native language requirement.

Prerequisites: Language Placement with a score of JP201 or JPN 102
Attributes: Asian Studies Course, Undergraduate

JPN 202 Intermediate Japanese II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the intermediate low/mid-level according to ACTFL – American Council on the Teaching of Foreign Languages. Prerequisite: JPN 201 or equivalent.

Prerequisites: JPN 1211 or JPN 201
Attributes: Asian Studies Course, Undergraduate

JPN 211 Second Year Japanese I (3 credits)

JPN 212 Second Year Japanese II (3 credits)

JPN 301 Japanese Conversation (3 credits)
This course is designed to give the student the necessary practice in spoken and written Japanese with increased emphasis on the more difficult modern Japanese grammatical constructions and idioms. Prerequisite: Fulfills the GEP non-native language requirement.

Prerequisites: Language Placement with a score of JP301 or JPN 202
Attributes: Asian Studies Course, Undergraduate

JPN 302 Japanese Conversat & Compos II (3 credits)
This course is designed to give the student the additional practice in spoken and written Japanese with increased emphasis on the more difficult modern Japanese grammatical constructions and idioms. Prerequisite: JPN 301 or equivalent.

Prerequisites: JPN 1311 or JPN 301 or Language Placement with a score of JP302
Attributes: Asian Studies Course, Undergraduate

JPN 310 Selections in Japanese Lit I (3 credits)

Prerequisites: Language Placement with a score of JP310 or JPN 301
Attributes: Asian Studies Course, GEP Art/Literature, Undergraduate

JPN 311 Selections in Japanese Lit II (3 credits)

JPN 330 Japanese Film and Culture (3 credits)
LABOR STUDIES (LAS)

LAS N001 Non-Cred:Par Proc Union Offic (1 credit)
LAS 241 American Labor Movement (3 credits)
LAS 272 Employment Law (3 credits)
LAS 273 Collective Bargaining (3 credits)
LAS 281 Benefits and Compensation (3 credits)
LAS 320 Sociology of Work (3 credits)
LATIN (LAT)

LAT 101 Beginning Latin I (4 credits)
In an interactive environment, students will learn basic Latin vocabulary, grammar, and syntax, with special attention to English and modern language derivatives. Students will develop reading ability through carefully selected Latin prose and verse texts, and they will discuss aspects of Roman culture illuminated in these texts. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of LA101
Attributes: Ancient Studies Course, Undergraduate

LAT 102 Beginning Latin II (4 credits)
In an interactive environment, students will learn basic Latin vocabulary, grammar, and syntax, with special attention to English and modern language derivatives. Students will develop reading ability through carefully selected Latin prose and verse texts, and they will discuss aspects of Roman culture illuminated in these texts. Fulfills the GEP non-native language requirement.
Prerequisites: LAT 101 or Language Placement with a score of 1 or LAT 102 Language Placement with a score of LA102
Attributes: Ancient Studies Course, Undergraduate

LAT 201 Intermediate Latin I (3 credits)
Students will engage in translation, discussion, and analysis of selected passages from the works of Cicero, Livy, Catullus, Virgil, and Ovid. Each author's particular style and intent will be evaluated by examining his grammar, diction, and use of literary and rhetorical figures. Students will discuss aspects of Roman political and social history that are illuminated in our readings. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of LA201
Attributes: Ancient Studies Course, Undergraduate

LAT 202 Intermediate Latin II (3 credits)
Students will engage in translation, discussion, and analysis of selected passages from the works of Cicero, Livy, Catullus, Virgil, and Ovid. Each author's particular style and intent will be evaluated by examining his grammar, diction, and use of literary and rhetorical figures. Students will discuss aspects of Roman political and social history that are illuminated in our readings. Fulfills the GEP non-native language requirement.
Prerequisites: LAT 201 or LAT 202 Placement with a score of 1 or Language Placement with a score of LA202
Attributes: Ancient Studies Course, Undergraduate

LAT 301 Oratory (3 credits)
We will engage in translation, discussion, and analysis of selected passages of Cicero's Pro Caelio. We will explore Cicero's rhetorical style and tactics, including his personal conflict with Clodius and his attack on the character of Clodius' sister Clodia Metelli, who has been identified with Catullus' "Lesbia." We will also examine the political charges against Caelius within the complex political and social systems of late Republican Rome. Fulfills the Art/Literature requirement of the GEP.
Prerequisites: Language Placement with a score of LA301
Attributes: Ancient Studies Course, Undergraduate

LAT 302 Republican Prose (3 credits)
We will engage in reading and discussion of selections from Sallust's Bellum Catilinae and Julius Caesar's De Bello Civil. Among the topics we will explore are Sallust's Latin style and his reputation as a historian, his political stance and his connections to Julius Caesar, the conspiracy of Catiline and its significance within the context of Roman political history, Catiline's aims and associates, Sallust's depiction of the famous debate in the Senate about the fate of the captured Catilinarian conspirators (in which Cato and Caesar take opposing viewpoints), the questions surrounding the legality of the decision to execute the conspirators, and Cicero's responsibility for this decision. Fulfills the Art/Literature requirement of the GEP.
Prerequisites: Language Placement with a score of LA302
Attributes: Ancient Studies Course, Undergraduate

LAT 303 Historiography (3 credits)
We will engage in translation, discussion, and literary/historical analysis of selected passages from Livy’s Ab Urbe Condita I. We will consider Livy’s use of sources and his approach to historiography, with particular attention to his stress on the didactic purpose of history. We will also examine how Livy’s own background promoted his concern with the development of the Roman national character and with the importance of moral values as a factor in history. Evaluation will be made of Livy's designation as an "Augustan" and a "literary" historian. We will also discuss Livy's treatment of religion and the significant themes of fratricide and the rape of women in Rome's early political and social development. Fulfills the Art/Literature requirement of the GEP.
Attributes: Ancient Studies Course, Undergraduate

LAT 304 Drama (3 credits)
The class will engage in daily translation, discussion, and metrical analysis of selected passages from Plautus' Menaeachmi. We will explore the following topics: the development of comedy at Rome and its debt to Greek "New Comedy," its staging and performance, and its conventional themes and stock characters. We will also develop an appreciation for the principal features of Plautus’ language, including colloquialisms, Grecisms, puns, and double entendres. Fulfills the Art/Literature requirement of the GEP.
Prerequisites: Language Placement with a score of LA304
Attributes: Ancient Studies Course, Undergraduate

LAT 305 Lyric Poetry (3 credits)
This course in Latin lyric poetry will engage us in translation, discussion, and literary and historical analysis of selected passages from the poems of Catullus and the Odes of Horace. We will consider poems within the "Lesbia" cycle, exploring the principal themes and images of these poems. We will also consider how Catullus exploits these themes and images in the rest of the corpus. Exploration will also be made of the historical background of Catullus by examining the clues which the poems provide for our understanding of the poet's social environment. Does the evidence contained in these poems, along with Cicero's testimony in the Pro Caelio, form a coherent and reliable "history" of the Catullus/"Lesbia" affair? We will also read selected Odes of Horace, exploring Horace's indebtedness to his Greek models in lyric, Sappho and Alcaeus. We will also consider topics such as literary patronage in Rome, Augustan social and political policy, Alexandrian poetics, generic composition, and metrical and structural principles of Latin poetry.
Fulfills the Art/Literature requirement of the GEP.
Prerequisites: Language Placement with a score of LA305
Attributes: Ancient Studies Course, Undergraduate
LAT 306 Roman Elegy (3 credits)
This course in Roman elegy focuses on the erotic poetry of the neoteric poet Catullus, and the elegies of the Augustan poets Propertius, Tibullus, Sulpicia, and Ovid. The course places emphasis upon both text (grammar, translation, and meter) and context. Fulfills the Art/Literature requirement of the GEP.
Attributes: Ancient Studies Course, Undergraduate

LAT 396 Latin AP Course (3 credits)
LAT 401 Silver Age Latin (3 credits)
The class will engage in daily translation, discussion, literary and metrical analysis of selections from Silver Age authors Juvenal (Satires), Martial (Epigrams), Petronius (Satyricon), and Apuleius (Metamorphoses). We will explore the following topics: literary patronage; the social and financial status of poets; the identity of the poet’s friends and patrons; questions of historical accuracy in depicting elements of everyday life in imperial Rome; the social divide between rich and poor; the generic conventions of satire, epigram, and novel; the use of allegory in Latin poetry; Platonic philosophy, myth, and religion as reflected in Roman novel. Fulfills the Art/Literature requirement of the GEP.
Attributes: Ancient Studies Course, Undergraduate

LAT 402 Golden Age Latin (3 credits)
The class will engage in daily translation, discussion, literary and metrical analysis of selections from Golden Age authors Virgil (Eclogues and Aeneid), Horace (Odes and Satires), and Ovid (Metamorphoses and Amores). We will explore the following topics: literary patronage, Augustan social and political policy reflected (both approved and critiqued) in the literature of the Augustan period, Alexandrian poetics, generic composition, and structural principles of Latin poetry. Fulfills the Art/Literature requirement of the GEP.
Attributes: Ancient Studies Course, Undergraduate

LAT 403 Epic Poetry (3 credits)
Translation, discussion, literary and historical and metrical analysis of selected passages from Vergil’s Aeneid. Highlighted passages will include Aeneas’ arrival in Carthage and encounters with Venus and Dido (Aeneid book 1), Aeneas’ narration of Troy’s final hours (Aeneid book 2), the tragedy of Dido and Aeneas (Aeneid book 4), and the pageant of future Roman heroes (Aeneid book 6). We will explore the following topics: the development of Roman epic, Vergil’s indebtedness to Homer, Augustan policy as viewed in the Aeneid, the quality of pietas as embodied in Vergil’s hero Aeneas, the role of women in epic and Augustan Rome as exemplified in Aeneas’ treatment of Creusa and Dido, and Vergil’s focus on human suffering and personal sacrifice. Fulfills the Art/Literature requirement of the GEP.
Prerequisites: Language Placement with a score of LA404
Attributes: Ancient Studies Course, European Studies Course, Undergraduate

LAT 404 Horace (3 credits)
This course in the poetry of Horace will engage us in translation, discussion, and literary and historical analysis of selections from the Satires and Odes. We will explore topics such as the development of satire as a genre at Rome, Horace’s debt to Lucilius, his use of autobiographical material and creation of the Horatian persona in his poems, his introduction into the circle of Maecenas and his defense against accusations about his social and political ambitions, his indebtedness to his Greek models in lyric (chiefly Sappho and Alcaeus), and his literary and aesthetic principles and ideals. We will also consider topics such as literary patronage in Rome, Augustan social and political policy (both approved and critiqued) in the literature of the Augustan period, Alexandrian poetics, generic composition, and metrical and structural principles of Latin poetry. Fulfills the Art/Literature requirement of the GEP.
Prerequisites: Language Placement with a score of LA404
Attributes: Ancient Studies Course, GEP Art/Literature, Undergraduate

LAT 410 Research Materials & Methods (3 credits)
This course is a seminar-style exploration of primary and secondary source materials for research principally in Latin literary and cultural studies. A full range of research materials in print and online formats will be examined and evaluated, and research methods for teaching and publishing will be studied and practiced.
Attributes: Ancient Studies Course, Undergraduate

LAT 411 Advanced Latin Grammar (3 credits)
This course will provide a detailed review of Latin vocabulary, morphology, grammar, and syntax, analyzed on both theoretical and applied levels. Lexical, grammatical, and syntactic topics related to the Latin language that are usually problematic for advanced level learners of Latin will be discussed and explored. This course is designed to help students deepen and improve their knowledge about and understanding of the complexities of Latin grammar and syntax. This course will benefit majors in Latin who are considering teaching and research careers in Latin and Classical studies. Emphasis will be placed on the role of proficiency in Latin vocabulary, morphology, grammar, and syntax in language teacher education. Translation and composition in Latin poetry and prose will highlight complex grammatical principles and structures and will sharpen students’ awareness of the complexities of Latin language and literature.
Prerequisites: Language Placement with a score of LA411
Attributes: Ancient Studies Course, Undergraduate

LAT 470 Topics in Latin (3 credits)
LAT 490 Internship (3 credits)
LAT 491 Internship (3 credits)
LAT 493 Independent Research in Latin (3 credits)
LAT 494 Independent Research in Latin (3 credits)
LDRSHP/ETHICS & ORG SUSTAINAB (LEO)

LEO 150 Serious Comedy & Soc. Justice (3 credits)
Comedy has long been a vehicle by which performers and audiences can engage uncomfortable truths and issues of social injustice. Comedy is increasingly important to individuals’ identity; recent research has shown that comedy is essential to how people view themselves and others. Comedy (including satire and parody) is also a growing business, as evidenced by the popularity of Comedy Central, movies, television programs, YouTube, and other platforms. In this course, we will explore important issues of social justice (e.g., globalization, racism, gender equity, poverty) as presented in comedy across a variety of sources both contemporary (e.g., South Park, The Daily Show, The Colbert Report, The Simpsons) and classic (e.g., All in the Family, The Smothers Brothers, M*A*S*H). First Year Seminar only
Attributes: Diversity Course (New GEP), First-Year Seminar, Undergraduate

LEO 210 Business Stakeholders & Ethics (3 credits)
This course analyzes the question, “Does business have a social responsibility?” through the examination of various internal and external stakeholders of the contemporary business organization. Students will be introduced to frameworks and theoretical principles in ethics that may be used as foundations to the analysis of the question above. Students then will learn how stakeholder management relates to an organization’s triple bottom line of people, planet, and profits. The course includes theoretical concepts and practical analysis, exposing students to some of the ethical dilemmas confronted by employees in the workplace, and serves to help students enhance their skills in resolving these types of dilemmas. Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair. PHL 154
Prerequisites: (MGT 110 or MGT 120 or MGT 121 or MGT 1011 or MGT 1015) and (PHL 154 or PHL 1031 or PHL 1033 or PHL 1035)
Attributes: Ethics Intensive (New GEP), Undergraduate

LEO 211 Perspectives on Leadership (3 credits)
This course aims to increase students’ knowledge and skills concerning effective leadership. Through a seminar format we will employ a historical perspective to investigate different approaches, models and contexts to leadership. We will then explore the contemporary role of leadership in work organizations. Through workshops, we will develop skill competencies critical to effective leadership. Students will have an opportunity to apply their knowledge and skills to a leadership experience they design and implement themselves. Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
Prerequisites: MGT 1011 or MGT 1015 or MGT 110 or MGT 120 or MGT 121
Attributes: Undergraduate

LEO 212 Organizational Sustainability (3 credits)
This course is an introduction to Organizational Sustainability in its broader sense and is primarily designed for the Leadership, Ethics, and Organizational Sustainability major and minor and those students interested in this area. For the organization, sustainability means the capacity to survive (to sustain itself) while contributing to the survival (the sustenance) of the various environments in which it finds itself, be these social, biological, economic, ecological, or other. The course offers a framework for understanding sustainability and introduces the concept of the triple-bottom line whereby corporate social responsibility and environmental protection are necessary conditions for business success in addition to profitability. It is not enough to fulfill only one or two of these three necessary conditions: organizations should be structured so all three are mutually reinforcing. The main objective of the course is to provide students with a broad context enabling them to develop the capacity for critical thinking and the skills necessary to understand the importance of sustainability. Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair. PHL 154
Prerequisites: (MGT 110 or MGT 120 or MGT 121) and PHL 154
Attributes: Ethics Intensive (New GEP), Globalization Course (New GEP)

LEO 270 LEO Special Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

LEO 310 Breaking News in Bus. Ethics (3 credits)
Everyday business ethics uses real-time reporting of current events by credible media as the vehicle to help students connect the language of moral reasoning and business ethics to emerging ethical issues in the world of business, organizations, and leadership. The course will review the major theoretical basis for moral reasoning, e.g., deontological ethics, utilitarian ethics, and ethical relativism. A discussion of source credibility will also precede the second (main) portion of the course. Students will keep abreast of current events via daily reading of various media outlets. Students will be expected to (a) identify ethical issues, controversial decisions, and unethical conduct reported by journalists; (b) analyze the stakeholders and ethical issues identified in news reporting; and (c) identify potential resolutions or recommendations for action that might be taken by individuals involved in the decisions. The course will culminate in a research paper by each member of the class on a current business ethics issue of interest. Prerequisites: PHL 154; ENG 101. (if offered as writing intensive). HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
Prerequisites: PHL 154 and ENG 101
Attributes: Ethics Intensive (New GEP), Undergraduate, Writing Intensive Course- GEP

LEO 311 Leading Teams (3 credits)
This course aims to increase students’ understanding and skills required for effective team leadership. Through participating in experiential exercises, simulation, and team projects the course arms the students with an opportunity to develop skills and apply course material in building productive and happy teams. As leading teams involves learning about oneself, and understanding others, we will explore both in detail. Peculiarities of managing and leading diverse and virtual teams will also be addressed. The overarching course objective is to lead the students from identifying relevant group and leadership theories to integrating them into their team work.
Prerequisites: MGT 110 or MGT 120 or MGT 121
Restrictions: Enrollment limited to students in the Haub School of Business college.
Attributes: Undergraduate
LEO 330 Leading Teams (3 credits)
This course aims to increase students’ understanding and skills required for effective team leadership. Through participating in experiential exercises, simulation, and team projects the course arms the students with an opportunity to develop skills and apply course material in building productive and happy teams. As leading teams involves learning about oneself, and understanding others, we will explore both in detail. Peculiarities of managing and leading diverse and virtual teams will also be addressed. The overarching course objective is to lead the students from identifying relevant group and leadership theories to integrating them into their team work.

LEO 370 LEO Special Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

LEO 470 LEO Special Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

LEO 490 LEO Internship I (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

LEO 491 LEO Internship II (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

LEO 493 LEO Research 1 (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

LEO 494 LEO Research II (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

LEO 495 Applied Ldrshp & Sustain Capst (3 credits)
This course is an integrative course in which students (either individually or in teams) undertake an action-learning project in an organization under the direction of a faculty member with the objective of applying leadership and sustainability concepts developed throughout the program. Students will work with live clients (e.g., non-profit organizations or for-profit businesses) to help them improve their triple bottom-line performance along the people, planet, and profit dimensions and build leadership skills as they do so. Prerequisites: MGT 110 or MGT 120 or MGT 121; LEO 210 (or Permission of Chair); LEO 211 (or Permission of Chair); LEO 212 (or Permissions of Chair); Senior standing. Prerequisites: LEO 210 and LEO 211

Attributes: Undergraduate

LEO 565 Leading Change in Organization (3 credits)
This course focuses on the knowledge and skills necessary for leading, planning, and implementing organizational change. Students will examine their own leadership skills and abilities, and will have the opportunity to develop skills critical to achieving effective change, including communication, leadership, and team development. Prerequisite: MGT 551, or MGT 553, or MHC 560. Restrictions: Enrollment is limited to Graduate level students.

LEO 651 Leading for Success in Orgs (3 credits)
This course examines the basics of career development and how it fits into the organizational structure. It includes theory and practice of career/adult development, its delivery systems, and its target populations. Prerequisite: Completion or waiver MGT 500. Prerequisites: MGT 500 or HSB Waiver with a score of MG500 or MGT 500 Waiver Score with a score of 1 Restrictions: Enrollment is limited to Graduate level students.

LEO 653 Lead in Modern Organizations (3 credits)
This course will explore what it means to provide leadership to others in modern organizations. Topics will include enhancing one’s leadership capability, crisis periods of leadership, conflicts between the organization’s leadership and one’s personal leadership, and strategies for success in leadership positions. Additional themes of power, authority, and control will be examined in terms of the organization and the individual. Prerequisite: Completion or waiver of MGT 500. Restrictions: Enrollment is limited to Graduate level students.

LEO 654 Leading Global & Virtual Teams (3 credits)
This course surveys the basic principles, concepts, and theories concerning group dynamics and team leadership. Leading modern teams involves not only managing different personalities, but also different cultures, and, frequently, doing so from a distance. In the course, the student will enhance learning in how to be an effective team member and a leader of global and virtual teams. Through participating in experiential exercises, simulations, and team projects the course provides the student with an opportunity to develop skills in managing highly diverse groups and building effective and efficient teams in a global and virtual world. Prerequisite: Completion or waiver of MGT 500.

LEO 655 Leading Projects (3 credits)
Managing diversity is becoming increasingly important to contemporary organizations and is likely to become more critical in the future as the population and workforce become even more heterogeneous. Human diversity is both a moral imperative and a potential source of competitive advantage. This course is designed to help students become aware of the multiple dimensions of diversity such as race, class, gender, physical ability, sexual orientation, age, and nationality. In addition, differences in function, perspective, and work style will be explored to examine their potential impact in the workplace. The course provides information and experiences to help make students more proficient in dealing with an increasingly diverse workforce. Prerequisite: Completion or waiver of MGT 500. Prerequisites: MGT 500

LEO 668 Leading for Sustainability (3 credits)
The Leading for Sustainability course positions your role as business leader as one that connects with sustainability at multiple levels – self, others, the organization and society. The course analyzes the definitions and development of Corporate Sustainability and its relationship with environmental management, the Triple Bottom Line and Corporate Social Responsibility (CSR). The course then focuses on leadership of self. Leadership is about “making a difference” and hence it is important to consider deeply the nature and type of difference that you intend to make in this world. In particular, this course aims to increase awareness of your values, ethics, beliefs, attitudes, etc. and how these may relate to issues of sustainability. The course then looks at organizational values and sustainability. Lastly, the course integrates the material through a value/sustainability gap analysis. Pre-requisite: Completion or waiver of MGT 500. Restrictions: Enrollment is limited to Graduate level students.
**LEGAL STUDIES (LAW)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>LAW N001</td>
<td>Non-Credit Law Office Administ</td>
<td>1 credit</td>
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<tr>
<td>LAW N002</td>
<td>Non-Credit Legal Terminology</td>
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<td>LAW N003</td>
<td>Non-Credit Computers &amp; the Law</td>
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<td>LAW 200</td>
<td>Intro to the Legal System</td>
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<td>LAW 201</td>
<td>Prof Response &amp; Legal Ethics</td>
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<td>LAW 205</td>
<td>Paralegal, Research,Analysis I</td>
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<td>LAW 206</td>
<td>Paralegal, Research,Analysis II</td>
<td>3 credits</td>
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<td>LAW 307</td>
<td>Law and Litigation</td>
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<td>LAW 308</td>
<td>Tort &amp; Personal Injury Law</td>
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<td>LAW 309</td>
<td>Corporate and Commercial Law</td>
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<td>LAW 310</td>
<td>Discovery</td>
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<td>LAW 314</td>
<td>Trusts &amp; Estate Administration</td>
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<td>LAW 316</td>
<td>Family Law</td>
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<td>LAW 318</td>
<td>Real Estate Law</td>
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<td>LAW 320</td>
<td>Criminal Law and Procedure</td>
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<td>LAW 322</td>
<td>Court Administration</td>
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<td>LAW 325</td>
<td>Intellectual Prop &amp; Patent Law</td>
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<td>LAW 326</td>
<td>Health Care Law</td>
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<td>LAW 327</td>
<td>Labor and Employment Law</td>
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<td>LAW 328</td>
<td>Sports and Entertainment Law</td>
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<td>LAW 490</td>
<td>Paralegal Internship</td>
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LIN 150 First Year Sem in Linguistics (3 credits)
Language, Communication, and Culture is a first-year seminar that explores the interaction among language, communication, and culture. Communication can potentially be facilitated through the recognition of similar cultural or linguistic practices as well as impeded by lack of awareness of differences in usage of language - or even one dialect of a language - to another. In this course, we will discuss communicative behaviors from around the world to highlight both similarities and differences that exist in human language and examine the ways in which these present us with 'rich points' for learning (Agar 1996). This course fulfills the First-Year Seminar requirement of the GEP and counts toward the Linguistics major/minor and the TESOL minor.
Attributes: First-Year Seminar, Undergraduate

LIN 200 Introduction to Linguistics (3 credits)
This course is an introduction to the study of language and areas of linguistics. It focuses on how language works, where it comes from, how it is used in society, how it changes over time and how it is learned. We will also explore commonly-held beliefs about the nature of language and language use in real-life contexts. This course fulfills the GEP Art/Lit requirement and also counts for the American Studies minor.
Attributes: Communication Studies ILC Crs, Undergraduate

LIN 210 English Grammar (3 credits)
To prepare current and future English language teachers, this course explores aspects of English grammar that are particularly challenging for ESL/EFL learners. This course is beneficial to TESOL minors and to Linguistics majors/minors who plan to teach English at any level.

LIN 220 Logic (3 credits)
A study of the logic of ordinary language; the function of language, forms of argument, fallacies, definition; analysis of propositions and deductive reasoning, analogy and scientific hypothesis testing. See PHL 220. This course does not fulfill the GEP Philosophical Anthropology requirement.
Attributes: Undergraduate

LIN 240 Symbolic Logic (3 credits)
The study of a method for translating arguments from ordinary language into a symbolic notation which reveals logical structure, procedures for establishing the validity or invalidity of deductive arguments so symbolized, and properties of formal deductive systems—dependence of axioms, expressive and deductive completeness, and consistency. See PHL 240. This course does not fulfill the GEP Philosophical Anthropology requirement.
Attributes: Undergraduate

LIN 250 Social Media Discourse (3 credits)
The focus of this course is on understanding and investigating linguistic aspects of electronic social media such as email, texting, Twitter, Facebook, etc. This course has two goals: (1) to analyze everyday social media discourse from a linguistic perspective and (2) to learn how to conduct linguistic research in the context of a student-designed investigation on some type of social media discourse. To that end, we will examine previous research in related areas and students will conduct an original research project based on a selected context of social media discourse. This course will be taught as a seminar in which students are expected to come to class prepared to discuss and/or lead the majority of discussions about course readings. This course is open to students from all academic majors and there is no prerequisite.
Attributes: Communication Std's Maj Choices, Undergraduate

LIN 260 Language and the Law (3 credits)
This course is an introduction to linguistic issues that influence interaction in a variety of legal contexts. It explores the role of language used in court cases and police investigations while paying special attention to particular discourse contexts such as courtroom talk, interpreter interactions and police interrogations/ interviews. Particular emphasis will be placed on recognizing and understanding ethical issues related to linguistic sources of disadvantage before the law for both educated and uneducated native speakers, minority speakers and non-native speakers of a given language. This course will help prepare students for careers in which a particular sensitivity to, and understanding of, the use of language is vital. By looking closely at areas studied by linguists, we will seek to uncover the role and the ethical nature of oral and written interactions that take place in the legal field. These linguistic issues affect the concept of justice as well as its application in the legal system and also influence how humans are perceived and, in turn, treated by those who apply the law (police officers, lawyers, judges, etc.). This course fulfills the GEP Ethics-Intensive overlay requirement; it also fulfills a requirement in the Sociology and Criminal Justice majors/minors. This course is open to students from all academic majors and there is no prerequisite.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

LIN 270 Topics in Linguistics (3 credits)
This course is an introduction to the study of how language is represented in the human mind and what processes are involved in language use, including producing, comprehending, and storing both spoken and written language. Together, we will explore questions such as the following: How do humans store and recognize words? How do we analyze speech? What processes are involved when we speak and read? We will study spontaneously-occurring speech errors and misperceptions and carry out experimental investigations on language production and comprehension. This course is open to students from all academic majors and there is no prerequisite.
Attributes: Undergraduate

LIN 280 Lang. Acquisition & Learning (3 credits)
Language, Acquisition, and Learning focuses on the study of existing approaches to explaining first and second language acquisition and learning. Drawing on current research in the field of linguistics, we will explore various aspects of language (e.g., negation, questions, references to the past) as well as particular factors (e.g., age, motivation, anxiety, personality, learner beliefs) that affect the acquisition and learning of specific languages. Paying particular attention to English language learning, we will devote significant course time to understanding L2 developmental sequences as they relate to theories of acquisition and learning based on social, psychological, and educational frameworks. Students will also be challenged to consider the relationship between their understanding of and experiences with language acquisition and learning as well as the relationship between language learning theories and language teaching. This course is open to students from all academic majors.
LIN 330 Discourse, Style & Presupp (3 credits)
This course builds on Sociolinguistics. Here we examine issues of register, variety (dialect), discourse structure, style, presupposition. The student will be invited to (1) examine discourse samples to analyze presupposition, implications, and fallacies. The insights of argument structure will organize this approach.

Attributes: Undergraduate

LIN 340 Communication in Soc Contexts (3 credits)
Communication in Social Contexts analyzes how people communicate with each another in various social contexts. We will focus on recent research topics in discourse analysis and explore particular contexts of discourse such as that which takes place in the legal field (police interrogations; naturalization interviews); family interactions (homecoming routines; ventriloquizing); childhood settings (apologies, sporting events), the workplace (medicine, business, media) and the classroom (teacher-student, student-student, teacher-teacher interactions). Special attention will be given to classroom discourse, the area of applied linguistics research that investigates empirical linguistic data from classroom interaction. This course is open to student from all academic majors and there is no prerequisite. This course fulfills the GEP Social Science requirement and counts for the American Studies minor.

Attributes: Communication Studies ILC Crs, Undergraduate

LIN 381 History of the Eng Language (3 credits)
A survey of the outer and inner history of the English language, from its Indo-European origins to its present American and world-wide use. The course will be based on modern linguistic methods and information. See ENG 381.

Attributes: Undergraduate
LIN 401 Bilingualism & Lang Diversity (3 credits)
This course is an exploration of bilingualism and linguistic diversity both within the U.S. and beyond its borders. Bilingualism is examined from both sociolinguistic and psycholinguistic perspectives, as we identify historical, geographical and socio-political issues that shape the identity of bilinguals in the U.S. who come from languages and cultures other than our own. In addition to examining the theoretical and methodological issues in bilingualism research, students will also engage this reality through community observations and interviews with representatives of the bilingual communities. This course is open to students from all academic majors and there is no prerequisite. This course fulfills the GEP Diversity overlay requirement.
Attributes: Diversity Course (New GEP), Undergraduate

LIN 470 Topics in Linguistics (3 credits)
The purpose of this course is to explore specific topics within the field of linguistics. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic.
Attributes: Undergraduate

LIN 474 Language and Thought (3 credits)
Rene Descartes held a view called "mind-body dualism", according to which human persons are fundamentally thinking substances that are somehow causally linked to particular physical substances: bodies. One of his reasons for holding this view was that he believed that the human faculty of language could never, even in principle, be adequately explained by any purely physical description of things. Language, as he saw it, is evidence of mind, and indeed he believed that where language is absent, mind is also absent. Creatures without language are, in Descartes' view, mindless organic automata. Few today would defend Descartes' view in all details, but the general sense that language is an important "mark of the mental" has not gone away. Instead, it has given rise to a cluster of narrower but interesting and important questions: Are certain kinds of mental states impossible without language? Does the specific language that we speak influence our thoughts in some way? Do our innate tendencies of thought force our languages to take certain forms? We could restate these questions in a somewhat different way. Does language hold thought on a leash? Does thought hold language on a leash? This course does not fulfill the GEP Philosophical Anthropology requirement. See PHL 474.
Attributes: Undergraduate

LIN 475 Language and Meaning (3 credits)
This course examines the core issues in the philosophy of language, including the nature of meaning, problems of reference, and the relation between language and thought. Further issues include the status of propositions, the problem of whether linguistic competence implies innate knowledge of some sort, the nature of metaphor, the private language problem, the indeterminacy of translation and language as symbolic capital. This course does not fulfill the GEP Philosophical Anthropology requirement. See PHL 475.
Attributes: Undergraduate

LIN 490 TESOL Internship (3 credits)
This course is a practicum in which the student applies his/her knowledge of Linguistics in a professional work environment. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place in order to discuss the course requirements and expectations. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or will deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Linguistics majors or TESOL minors who have completed the other course requirements.
Attributes: Undergraduate

LIN 491 Linguistics Internship (3 credits)
This course is a practicum in which the student applies his/her knowledge of Linguistics in a professional work environment. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place in order to discuss the course requirements and expectations. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or will deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Linguistics majors/minors who have completed the other course requirements.
Attributes: Undergraduate

LIN 493 Ind Research in Linguistics (3 credits)
This will allow the student to round out the major/minor with a supervised research project that will help expand the student's interests and development.
Attributes: Undergraduate

LIN 494 Ind Research in Linguistics (3 credits)
This will allow the student to round out the major/minor with a supervised research project that will help expand the student's interests and development.
Attributes: Undergraduate

LIN 496 Special Topics Transfer Course (3 credits)
LIN 497 Special Topics Transfer Course (3 credits)
LITERATURE IN TRANSLATION (LAN)

LAN 310 The French Story (3 credits)
LAN 320 Chinese Lit in Translation (3 credits)
LAN 340 The Fem Profile: Euro Novels (3 credits)
LAN 350 The European Scene (3 credits)
LAN 360 Non-Western Lit in Translation (3 credits)
LITERATURE IN TRANSLATION (LTT)

LTT 150 First-Year Seminar (3 credits)
Language, Culture, Identity This First-Year Seminar is taught in English and will introduce students to undergraduate scholarship through substantive readings (both primary and secondary materials), research tasks, critical discussions and cultural experiences outside of class. The focus will be on the Francophone world, moving from the development of French language and culture, and the construction of “Frenchness,” through the colonial and post-colonial periods, ending with French-speaking communities as they function in today’s global environment. The ideas of French sociologist Pierre Bourdieu will also be studied. Does not normally count for the French Minor or Major. The course is appropriate for students interested in pursuing a minor in Faith-Justice or Africana Studies. Satisfies the GEP diversity overlay requirement.

The German Experience in America This first-year seminar explores the history of German immigration to the United States and its impact on the country’s history and culture. In addition, we will reflect on the question of cultural identity in America, considering the dichotomy assimilation/integration vs. multiculturalism. Italian Journeys Taught in English, this interdisciplinary First Year Seminar is designed for students who wish to gain knowledge of Italian culture and history as explored through the medium and metaphor of travel. We will investigate Italy’s dual role as the home of legendary travelers and the destination for tourists over the centuries. Through a variety of texts we will explore notions of travel in the lives and works of pilgrims, poets, explorers and artists. We will consider three historical periods: the age of discovery (ca. 1300-1600), the grand tour (ca. 1600-1800) and the age of global tourism (ca. 1800- present). As we evaluate narratives and interpret the figure of the traveler, students will be encouraged to be “travelers” themselves. In particular, the seminar will be geared toward helping students become aware of issues of identity and power in the contact between cultures. Accordingly, the course pushes them to reflect critically on their own cultural assumptions, as well as those of others. Supplementary cultural experiences will include guest lectures and a trip to the Philadelphia Museum of Art.

Attributes: First-Year Seminar, Undergraduate

LTT 310 The French Story (3 credits)
A study of representative French short stories from Voltaire to Albert Camus that will emphasize how a good short story functions as a work of art, the various elements of the genre and its French cultural context. Satisfies Professional and Liberal Studies GEP non-native foreign language requirement.

LTT 320 Lit Culture & the Nobel Prize (3 credits)
Every year the Nobel Prize for Literature is awarded in recognition of outstanding literary accomplishment by men and women from all corners of the globe. In this course we will explore the rich, diverse cultures reflected in literature that has been translated into English by examining the work of acclaimed writers who have been awarded the Nobel Prize.

Attributes: Undergraduate

LTT 330 Society in World Literature (3 credits)
This course offers students the opportunity to read and analyze twenty and twenty-first literature from around the globe. Students will explore prose from a variety of regions and develop an understanding of diverse traditions and cultures and the political, social and historical landscape that provides context for this work. Students will examine the literary devices and theoretical frameworks utilized by writers as a form of cultural expression.

Attributes: Undergraduate

LTT 340 The Feminine Profile (3 credits)
The goal of this course is to familiarize students with European literature, focusing on the condition of women and their circumstances. In order to accomplish our objective, we will need to not only read relevant works, but also look at the history and culture that shaped these individuals. No knowledge of a European language is necessary. Satisfies Professional and Liberal Studies GEP non-native language requirement. Prerequisites ENG 111, ENG 113.

Attributes: Undergraduate

LTT 350 The European Scene (3 credits)
Selected plays of modern Europe with emphasis on the portrayal of women in dramatic literature. No knowledge of a European language is necessary.

Attributes: Undergraduate

LTT 360 Non-Western Lit in Translation (3 credits)
In this course we read literature from around the world, exploring different cultures and the social, political and artistic landscape that provides background and context for this writing. We will read and review literature by writers from Peru, Morocco, Egypt, the Caribbean and Japan and gain a broad and rich variety of perspectives. Fulfills PLS GEP Art/Lit requirement.

Restrictions: Enrollment is limited to PLS/HDC level students.

Attributes: GEP Art/Literature, Undergraduate

LTT 361 French-Carib. Lit [in English] (3 credits)
This course will teach students to read and appreciate contemporary Francophone literature of Martinique, Guadeloupe and Haiti, in translation, by familiarizing them with the colonial and post-colonial history of the region, its cultural richness and its literary modes. As background, students will learn about the colonization of Amerindian lands by Europeans, the history of slavery in the Caribbean and the development of Creole dialects and culture. The primary focus of the course will be on recent cultural and intellectual history, particularly the development of two twentieth-century literary movements that have profound social, psychological and political implications, Négritude and Crélité. Students will read entire works or substantive excerpts of works by major authors of the French Caribbean. The course is appropriate for students pursuing minors in Faith-Justice or Africana Studies.

Satisfies the GEP Art/Lit requirement. Satisfies the GEP diversity overlay requirement.

Attributes: GEP Art/Literature, Undergraduate

LTT 370 Special Topics (3 credits)
Students read and examine a selection of twentieth century literature from the Middle East. The goal of this course is to enhance appreciation of Middle Eastern literature and to broaden our understanding of Middle Eastern culture as we explore the rich social, cultural and political history that provides background and context for the works we study.
LTT 461 Franco-Afro-Caribbean Story (3 credits)
This course is intended to provide an English-language introduction to the history of the French-speaking Antilles and its complex mix of cultures. It will also allow students to read selected writers from Haiti, Martinique and Guadeloupe (in translation). The fundamental characteristics of the course are: 1) A primary focus on historical events, literary modes and the cultures of the francophone Antilles, including the Atlantic slave trade and its aftermath, race and racism, communal relationships, persistent social injustices and forgotten or silenced histories; 2) paying attention to marginalized voices and modalities, in literature and in historiography; 3) emphasizing the rich cultural traditions and intellectual movements arising from (or resonating in) the French Caribbean, including story-telling and orality, creoles, vaudou, opposition to Duvalierism, négritude, antillanité and créolité; 4) critically viewing the relationships between this region and the francophone world at large.
Course content includes historical and theoretical readings that will focus on the exercise of power and on persistent forms of injustice and resistance. The course is appropriate for students pursuing minors in Faith-Justice or Africana Studies. Satisfies the GEP Art/Lit, diversity, writing-intensive and ethics-intensive overlay requirements. Latin American Studies.
Prerequisites: PHL 154 and ENG 101
Attributes: Africana Studies Course, Diversity Course (New GEP), Ethics Intensive (New GEP), GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP
MANAGEMENT (MGT)

MGT N001 Non-Credit Project Mgmt (1 credit)
MGT N002 Non-Credit Mgmt Essentials (1 credit)
MGT N003 Non-Credit Change Management (1 credit)
MGT N004 Non-Credit Meetings Mgmt (1 credit)
MGT 110 Essentials of Organizational Beh (3 credits)
This course surveys the basic principles, concepts, and theories concerning organizations and groups and individuals within those organizations. The concepts and theories in this course concern individual behavior (e.g., perceptions, attitudes, and motivation), group and interpersonal processes (e.g., leadership, power, and conflict), and essential organizational theories. Students CAN take either MGT 110 or MGT 120 or MGT 121 to satisfy the HSB core Management requirement. Students who take MGT 110 cannot take MGT 120 or MGT 121 for credit. Attributes: Undergraduate

MGT 120 Essentials of Management (3 credits)
This course surveys the basic principles, concepts, and theories concerning organizations and groups and individuals within those organizations. The concepts and theories in this course include the organizational environment, management functions (planning, organizing, leading, and controlling), and essential individual and interpersonal theories. Students CAN take either MGT 110 or MGT 120 or MGT 121 to satisfy the HSB core Management requirement. Students who take MGT 120 cannot take MGT 110 or MGT 121 for credit. Attributes: Undergraduate

MGT 121 Organizations in Perspc Honors (3 credits)
This course explores the nature of the firm and the development of the employer-employee relationship in work organizations since the turn of the 20th century in the U.S. We will investigate and integrate the perspectives of various stakeholders (e.g., government, unions, community) as they relate to the manager-employee relationship, and demonstrate the effects of these stakeholders on individual and organizational well-being. University Honors students only. Students who take MGT 121 cannot take MGT 110 or MGT 120 for credit. Restrictions: Enrollment limited to students with the Honors Program Student attribute. Attributes: Honors Course, Undergraduate

MGT 140 Navigating the Road Ahead (3 credits)
This course focuses on positioning students for academic, career and personal excellence within the context of fostering an understanding of the adult student’s role in the learning/teaching process at Saint Joseph’s University. Its purpose is to enhance learning skills such as understanding material as it applies to oneself and others, applying concepts and ideas to real issues, thinking critically, analyzing text and ideas, and assessing progress. A key strength of this course is that it gives students the freedom to select and apply their own interests and academic pursuits to all of the assignments, thus making the course meaningful—as well as interesting and valuable—from both skill-building and content perspectives. HDC or PLS students ONLY Restrictions: Enrollment is limited to PLS/HDC level students. Attributes: Adult Learning Seminar

MGT 150 Work is our Fire (3 credits)
Is our work who we are? Drawing from the social sciences, this seminar encourages students to approach work as the essence of being—our “fire”—and working as a journey of experience and expression of dignity and not solely as a burden or means to make a living. Students will isolate and interrogate social and economic class stereotypes, misconceptions, and attitudes concerning a variety of jobs and professions as well as possible origins for these perceptions. The concept of occupational identity is introduced to illustrate how work can consume us (positively and negatively), how we can assume our working role as part of our understanding of “self,” and how we see others based on our attitudes about their occupational roles. Discussions will tackle definitions of success, legacy, respectability, prestige, materialism, workaholism, stress, and professionalism and how our definitions are influenced by personal and cultural values. First Year Seminar only Attributes: First-Year Seminar, Undergraduate

MGT 200 Intro to Project Management (3 credits)
Project Management is the application of knowledge and techniques to project activities in order to meet stakeholder needs. A project is an endeavor having a definite beginning and a definite end, undertaken to create a unique product or service. Key elements of Project Management will be introduced in this course: scope, schedule, budget, quality, human resources, communications, risk, and procurement. Through lectures, exercises and case studies, we will see how these elements fit into a project management plan, as well as how the plan is executed and controlled. Guidelines presented will be consistent with The Project Management Body of Knowledge (PMBOK) and be a step towards a possible Project Management Professional (PMP) certification. Attributes: Undergraduate

MGT 212 Managing Workforce Diversity (3 credits)
MGT 213 Negotiation Skills (3 credits)
MGT 214 Perspectives on Leadership (3 credits)
MGT 220 Business, Society & Ethics (3 credits)
MGT 242 Adv Organizational Behavior (3 credits)
MGT 260 Legal&Eth Iss in Supply Chain (3 credits)
The primary objective of this course is to give the student an overall understanding of the legal and ethical issues in supply chain management (assessed via cases and tests). The course is designed to provide a background on the legal and ethical issues affecting the supply chain management function within businesses and government and delve deeply into those issues throughout the course (assessed via Discussion posts, cases and tests). In so doing, the course will identify key legal and ethical issues in the supply chain management profession with an emphasis on navigating those legal and ethical issues in the performance of supply chain management duties. Attributes: Undergraduate

MGT 360 Legal Environment of Business (3 credits)
This course introduces students to the study of law, particularly as it affects business organizations. Comprehensive in scope, it covers the court system and the judicial process, as well as areas of substantive law including torts, contracts, constitutional, administrative, employment, agency and international law. Various forms of business organizations are examined, and the interplay between law and ethics is addressed throughout. Attributes: Undergraduate
MGT 361 Introduction to Law Honors (3 credits)
This course is an introduction to the legal system and some of the areas of the law that have a significant impact on our lives are presented. The structure of the legal system and how it operates is described. Areas of torts, contract, criminal, constitutional, family, employment and others are examined. Current legal issues will receive particular attention. A Moot Court exercise is included. This course is highly recommended for students who plan to attend law school. University Honors students only; satisfies MGT 360 for Business Majors.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: Honors Course, Undergraduate

MGT 362 Legal Environment of Business II (3 credits)
This course builds upon the students’ knowledge of law attained in the Legal Environment of Business I course. Areas of law such as product liability, sales, intellectual property, environmental, consumer, labor, securities and antitrust are examined. Accountants’ liability is also covered. Highly recommended for students desiring to sit for the C.P.A. Exam or attend law school. Prerequisite: MGT 360 or MGT 361.
Prerequisites: MGT 1001 or MGT 1005 or MGT 360 or MGT 361
Attributes: Undergraduate

MGT 370 Special Topics in Management (3 credits)
MGT 470 Special Topics in Management (3 credits)
MGT 471 Practicum in Management (1 credit)
MGT 490 Internship I (3 credits)
MGT 491 Internship II (3 credits)
MGT 492 Management Practicum (1 credit)
MGT 493 Research I (3 credits)
MGT 494 Research II (3 credits)
MGT 495 Mgt Intervention & Consultation (3 credits)
MGT 499 Business Strategy Simulation (3 credits)
This course is restricted to Haub Degree Completion students and can be substituted for BUS495. This is the capstone course for the undergraduate curriculum in the Haub Degree Completion Program. It is designed to integrate previous learning across business disciplines. The course will focus on applying knowledge in a dynamic global setting. It utilizes a strategy simulation software-based game within which teams create virtual firms and compete in a simulated industry. Prerequisites: ACC 101, ACC 102, ECN 101, FIN 200, MGT 110 or MGT 120 or MGT 121, and MKT 201. HDC or PLS students ONLY.
Prerequisites: (ACC 101 or ACC 1011 or ACC 1015) and (ACC 102 or ACC 1021 or ACC 1025) and (ECN 101 or ECN 1011 or ECN 1015) and (FIN 200 or FIN 1341 or FIN 1345) and (MGT 110 or MGT 1011 or MGT 1015 or MGT 2025 or MGT 120 or HON 1723 or MGT 121) and (MKT 201 or MKT 1011 or MKT 1015 or MKT 211)
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

MGT 500 Managing Work Organizations (3 credits)
This course focuses on both the behavioral and technological aspects of work organizations. The behavioral aspects of organizations are discussed at three different levels. On a societal level, the place of work organizations relative to other institutions in contemporary society will be considered using a stakeholder model of the firm. On an organizational level, the concepts of organizational structure, technology, job design, and culture will be examined, emphasizing the importance of each to the goal of organizational effectiveness. On an individual level, the roles and responsibilities of the manager will be analyzed, helping students to recognize the critical managerial practices for achieving organizational effectiveness.
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 509 Curricular Practical Training (1 credit)

MGT 510 Empowering Work Organizations (2 credits)
This course examines the impact of individual, group and organizational behavior on the performance of an organization. Topics include leadership, motivation, group and team dynamics, organizational change, communication, and conflict management.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

MGT 512 Empower Human Cap: Legal & HR (2 credits)
The Human Resource Management course is designed to introduce graduate students to the key concepts and practices in human resource management (HRM). As part of the six seminars that make up this course, students will be exposed to the support and functional activities involved in the management of human resources. This exposure will also involve an overview of the relationships that these activities have to various outcomes that organizations seek to achieve through HRM, and the strategic role HRM can (and should) play in organizational development. Aimed at the graduate student who sees him/herself as either a future (or current) general manager or a specialist who deals with general managers, the course forces the student to struggle in a realistic and practical way with human resource policy and administration issues that top managers face today. The course also consists of students performing a HRM Audit and Evaluation study of an actual company’s human resource strategies and activities.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 520 Empowering Individuals & Grps (2 credits)
This course focuses on an organization’s most salient resource, the power of its human capital. It investigates the foundation of, and strategies for, empowering organizational members to manage organizational transformation processes from an executive perspective. Empowering individuals and groups requires an understanding of how to manage oneself and collectives effectively, creatively, and ethically in work organizations. This course investigates executive strategies for enhancing individual and collective performance through learning about motivation, perception, individual differences, organizational culture, teams, and change management. No prerequisites
Restrictions: Enrollment is limited to students with a major in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.
MGT 545 Management Gateway Course (3 credits)
What will the world be like in 2025? What are the global challenges and opportunities that businesses will face in the future and how might business organizations respond? This course, Global Revolutions and Business, examines the global trends and forces that are shaping our world and the impact of those trends and forces on business organizations. In particular, we will focus on the global forces driving revolutionary changes such as Population, Resources, Information, Technology, Economic Integration, and Governance. Focusing on the future, this course seeks to develop and hone your strategic thinking skills, in considering the near-term and long-term impact of the global changes on organizations. Pre-requisite: Completion or waiver of MGT 500. Gateway course.
Restrictions: Enrollment is limited to Graduate level students. Enrollment limited to students in a Master of Bus Administration or Master of Science degrees. Enrollment limited to students in the Haub School of Business college.
Attributes: Gateway Course (Grad HSB)

MGT 550 Applied Project Team Skills (3 credits)

MGT 551 Empower Human Potentl at Wrk (3 credits)
This course focuses on an organization’s most salient resource—its human capital. It investigates the foundation of, and strategies for, empowering organizational members to manage organizational transformation processes in a national and global environment. Empowering human potential requires an understanding of how to manage one’s self, other individuals, and groups effectively, creatively, legally, and ethically in work organizations. Done well, empowered workers can help to achieve both personal and organizational objectives.
To accomplish this goal, the course investigates strategies for enhancing individual performance (e.g., perceptions and motivation) and facilitating interpersonal processes (e.g., leadership and power). We will also explore ways of managing human resource issues (e.g., recruitment, selection, employee development), especially from a legal perspective. Prerequisite: Completion or waiver of MGT 500. Students count either MGT 551 or MGT 553 towards their degree.
Prerequisites: MGT 500 or HSB Waiver with a score of MG500
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 552 Stakeholder Theory & Soc Resp (3 credits)
This course addresses corporate social responsibility through a stakeholder theory of business. The course will center on the question, "Which interests of which stakeholders impose obligations on business?" The internal and external stakeholders addressed include investors, employees, customers, and the natural environment, among others. Some issues will be analyzed by exploring international differences in the treatment of stakeholders The course exposes students to some of the ethical dilemmas confronted by employees in the workplace, and serves to enhance student skills in resolving these dilemmas. Prerequisite: Completion or waiver MGT 500. Students count either MGT 552 or MGT 554 towards their degree.
Prerequisites: MGT 500 or HSB Waiver with a score of MG500 or MGT 500 Waiver Score with a score of 1
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 553 Excellence in Organizations (3 credits)
This online course focuses on the dynamics of organizations, with special attention to those that have achieved a distinguished level of excellence in their fields. It examines theories for analyzing an organization’s current stats and strategies as seen by its stakeholders. A variety of organizational contexts will be analyzed including individual motivation and behavior, team dynamics, organizational conflict and crisis, power and leadership, managing talent, culture, change management and communication. Prerequisite: Completion or waiver MGT 500. Students count either MGT 551 or MGT 553 towards their degree.
Prerequisites: MGT 500 or MBA 3515 or MBA 3515 Placement Score with a score of 1 or HSB Waiver with a score of MG500 or MGT 500 Waiver Score with a score of 1
Restrictions: Enrollment is limited to Graduate level students.

MGT 554 Ethical Practices in Business (3 credits)

MGT 555 Management Gateway Course (Grad HSB)

MGT 556 Intro to Strategic Human Res (3 credits)

MGT 561 Human Res Resrch/Surv Methds (3 credits)

MGT 562 Employment & Labor Law (3 credits)

MGT 563 Human Resource Technology (3 credits)

MGT 564 Fin & Acc for Managers (3 credits)

MGT 565 Leading Change in Organ (3 credits)

MGT 570 Business Ethics (2 credits)
This course develops foundational concepts in ethical theory that are necessary tools for a systematic and disciplined evaluation of business practice. Central attention is given to the use of rights and the common good in moral arguments. Ethics I also begins to apply these conceptual tools to specific issues in business ethics.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

MGT 571 Ethics II (1 credit)
This course continues the application of theoretical tools developed in Ethics I and it requires students to prepare a team-based case analysis.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 572 Leadership and Development (2 credits)
This course finishes the process started in MGT 572. Students will assess their leadership development progress between courses, learn and apply new material about leadership, and further refine their practice of leadership.
Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.
MGT 575 Teams & INC (2 credits)
This course explores and challenges the use of influence, effective negotiation, conflict resolution, and decision-making in organizational settings. Focus is on basic principles, concepts, and theories. The course goal is for students to obtain a theoretical understanding of influence, negotiation, and improve their ability to engage a wide range of situations. Moreover, the course is highly interactive, involves a series of negotiation, and conflict resolution exercises. These exercises are framed, and analyzed in terms of readings, and in-class discussions. Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment limited to students in the MBAEX program. Enrollment is limited to Graduate level students.

MGT 581 Leadership & Development (2 credits)
What is leadership? How do I realize my leadership potential? This course is designed for executives who want to develop and hone their leadership skills and approaches. Successful completion of the course will enable participants to (1) identify and understand the keys to successful leadership, (2) analyze their own leadership styles and behaviors and receive feedback on the appropriateness and effectiveness of their styles, (3) develop the decision-making skills needed for leadership, (4) understand approaches for developing and empowering employees, and (5) inspire organizational change. Prerequisite: Waiver or completion of MGT 520
Prerequisites: MPE 6000 or MGT 520 or HSB Waiver with a score of MG520 or MPE 6000 Waiver Score with a score of 1 or MGT 520 Waiver Score with a score of 1
Restrictions: Enrollment is limited to students with a major in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 582 Business Ethics (2 credits)
MGT 591 Business Ethics (2 credits)
MGT 592 Empowering Individuals (2 credits)
MGT 593 Empowering Groups & Teams (2 credits)
MGT 594 Legal Issues in Food Marketing (2 credits)
MGT 600 Global Revolutions & Business (3 credits)
MGT 650 Business Law for Management (3 credits)
This course introduces students to the contemporary legal environment of business. Comprehensive in scope, it examines the court system and the judicial process, as well as areas of substantive law such as torts, contract, criminal, constitutional, administrative, labor, employment, and environmental. Various forms of business organizations, as well as the arena of international law, are also covered. Prerequisite: Completion or waiver of MGT 500.
Prerequisites: MGT 500 or MGT 500 Waiver Score with a score of 1
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 651 Career Management in Organ (3 credits)
MGT 652 Conflict Resolution (3 credits)
MGT 653 Leadership in the Mod Organ (3 credits)
MGT 654 Managing Teams (3 credits)
MGT 655 Managing Workforce Diversity (3 credits)
MGT 656 Negotiation Skills (3 credits)
MGT 660 Consulting to Management (3 credits)
MGT 662 Compensation Administration (3 credits)
MGT 663 Organizational Staffing (3 credits)
MGT 665 Managing Nonprofit Organ (3 credits)
MGT 666 Practicum in Non-Profit Organ (3 credits)
MGT 667 Human Resource Fundamentals (3 credits)
MGT 690 Leadership & Development (2 credits)
MGT 770 Management Study Tour (3 credits)
MGT 771 Topics in Human Resources (3 credits)
MGT 772 Topics in Management (3 credits)
MGT 789 Global Bus Strategy Simulation (3 credits)
This course deals with the strategic management of firms that operate in a global environment. It is the capstone class of the online professional MBA and allows you to integrate your previous learning across business disciplines. The course will focus on applying knowledge in a dynamic global setting. It utilizes a strategy simulation software-based game within which teams create virtual firms and compete in a simulated industry. Prerequisites: Completion of all foundation courses and eight or more 545 and above level core and concentration area courses. Permission of Program Director.
Restrictions: Enrollment is limited to Graduate level students.

MGT 791 Internship (3 credits)
MGT 792 Internship (3 credits)
MGT 793 Research in Management (3 credits)
MGT 794 Research in Management (3 credits)
MGT 795 Global Business Strategy (3 credits)
The capstone course is designed to provide the student with knowledge of the strategic management and organizational policy processes. This course provides the opportunity to apply this knowledge by practicing strategic decision-making and by formulating policy through the use of cases with a focus on globalized firms. This course is usually taken in the last semester of study. Prerequisites: Completion of all foundation courses and eight or more 545 and above level core and concentration area courses and permission of the Program Director.
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.
MGT 796 Strat Man of Hlth Care Organ (3 credits)
This course is the capstone experience for students selecting the health and medical administration specialization. This course provides the healthcare students with knowledge regarding the formulation and implementation of organizational strategy and business policy processes focused on the healthcare system/industry. Students will be required to apply strategic management principles through the analysis of cases and the health care industry environment. This course is usually taken in the last semester of study. Prerequisites: Completion of all foundation courses and eight or more 545 level and above core and healthcare concentration courses.

Prerequisites: HMS 5015 and HMS 5045 or PMK 600
Restrictions: Students cannot enroll who have a major in Executive MBA Program (1-year), Executive MBA Program, Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MGT 797 Strat Hum Res Mang: Degn & Imp (3 credits)

MGT 798 Capstone (2 credits)
This course is a computer simulation experience designed to integrate and apply knowledge gained throughout the EMBA Program. The focus is on strategic analysis and choice in a team-based and competitive learning environment. Student teams vie for competitive advantage in the industry. The simulation includes a realistic treatment of market and competitive dynamics and is completed over the course of multiple days during the students’ final residency in the program.

Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 799 Business Policy (2 credits)
These seminars will serve as a capstone course for the EMBA Program, focusing on the Strategic Management Process. The seminars will provide an opportunity to learn strategic management concepts and to analyze and develop strategic recommendations using the case study method. The seminars will culminate in an in-class “live case”. It is best described as a CEO intervention.

Restrictions: Enrollment is limited to students with a major in Executive MBA Program (1-year) or Executive MBA Program. Enrollment is limited to Graduate level students.

MGT 5045 Production & Operations Mgt (3 credits)
MANAGEMENT INFORMATION SYST (MIS)

MIS 3015 Intro Information Systems (3 credits)
MIS 4015 Info Systems for Managers (3 credits)
MANAGING HUMAN CAPITAL (MHC)

MHC 150 Gender Issues in the Workplace (3 credits)
This course will approach workplace issues involving gender from both a psychological and management perspective. Specific issues discussed will include gender and leadership, occupational segregation of the workforce by gender, the effects of gender on manager-subordinate relationships, gender and sexual harassment in the workplace, pay equity, and "family friendly" workplace policies. Wherever appropriate, comparisons to other countries and cultures will be made. First Year Seminar only
Attributes: Diversity Course (New GEP), First-Year Seminar, Gender Studies Course, Undergraduate

MHC 220 Intro: Managing Human Capital (3 credits)
A survey of the functional areas of human resource management including: planning, staffing, training, compensation, performance appraisal, and labor relations. This course explores the growing importance of human resource management, emerging topics in the field, and techniques for effective management of human resources.
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
Prerequisites: MGT 1011 or MGT 1015 or MGT 110 or MGT 120 or MGT 121
Attributes: Undergraduate

MHC 221 Diversity in the Workplace (3 credits)
This course will increase students' awareness of workforce diversity as both a challenge and opportunity for contemporary managers. Topics to be covered include demographic trends in the U.S., various models for understanding the importance of managing diversity, the differences between affirmative action and managing diversity, identity issues, real cultural differences vs. stereotyping, individual responses to diversity, organizational strategies for managing diversity and promoting positive organizational change, challenges inherent in managing diversity, and potential outcomes of successful diversity management.
Attributes: Diversity Course (New GEP), Undergraduate

MHC 222 Influence, Negotiation & Conflict (3 credits)
This course focuses on developing students' interpersonal and communication skills in order to increase influence, negotiation, and conflict resolution abilities in a fair and principled fashion. Students should obtain a theoretical understanding of influence and negotiation, and improve their ability to engage in negotiations and address conflict in an effective and ethical manner in a wide range of situations.
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair
Prerequisites: MGT 110 or MGT 120 or MGT 121

MHC 270 Manage Hum Capital Spec Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

MHC 320 Career Management (3 credits)
This course provides students with the knowledge and skills to understand and manage careers in organizations. Students will learn to help others manage their careers while also learning how to manage their own careers. Topics will include, but will not be limited to motivation theory, professional skill-development, career ladders, career coaching, labor market/occupational trends, market research, job search techniques, resume writing, interviewing skills, negotiating, and networking.
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
Prerequisites: (MGT 110 or MGT 120 or MGT 121)
Attributes: Undergraduate

MHC 321 International HR (3 credits)
The purpose of this course is to develop knowledge for managing a global workforce, and to prepare students to encounter international business from an interpersonal standpoint. While expertise in international human capital and talent management is an important pathway to competitive advantage for organizations, the goal of this course is also to develop thoughtful managers and workers who will be cognizant of the challenges of an international career, and respectful of cross-cultural differences.
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
Attributes: Globalization Course (New GEP)

MHC 322 Decision Making w/ Analytics (3 credits)
This course introduces students to the metrics that are essential to the strategic management of human capital. Human capital leaders help drive business performance by delivering competitive advantage through people. Performance relies on measures, so future leaders need to be adept at planning and interpreting those measures. The emphasis of this course will be on logical and strategic decision making through planning which measures to use, and using the resulting analytics to facilitate effective talent acquisition and retention, maximize the productivity and effectiveness of organizational human capital, and allocate limited resources effectively.
Prerequisites: MCH 220.
Prerequisites: MGT 110 or MGT 120 or MGT 121
Attributes: Undergraduate

MHC 360 Employment and Labor Law (3 credits)
The purpose of this course is to acquaint the student with the legal aspects of human resource management. It will describe the sources of employment law and how those laws govern the hiring, promotion, evaluation and termination of employees, as well as the terms and conditions of employment in 21st century America. Attention will be given to current legal and ethical issues, including the challenges of managing an increasingly diverse workforce.

MHC 370 Special Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.

MHC 470 Special Topics (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; CAS students: Permission of Chair.
MHC 471 Practicum in Human Capital I (1 credit)
This course is meant for students with opportunities working over the course of the semester/summer whose employers require a credit as condition of employment. To apply, the student submits a letter to the chair explaining why the practical training is required and includes a letter from the employer. The student submits to the department chair an 8-10 page paper at the end of the practical training describing their work responsibilities and what skills s/he acquired by participating. Prerequisite/co-requisite: Student’s major must be management or approved by the chair and have completed MGT 110 or MGT 120 or MGT 121 or equivalent. Does not satisfy any major, minor, general education or elective requirement. Grade is Pass/Fail. May be repeated once. Permission of Chair required.

MHC 472 Practicum in Human Capital II (1 credit)
This course is meant for students with opportunities working over the course of the semester/summer whose employers require a credit as condition of employment. To apply, the student submits a letter to the chair explaining why the practical training is required and includes a letter from the employer. The student submits to the department chair an 8-10 page paper at the end of the practical training describing their work responsibilities and what skills s/he acquired by participating. Prerequisite/co-requisite: Student’s major must be management or approved by the chair and have completed MGT 110 or MGT 120 or MGT 121 or equivalent. Does not satisfy any major, minor, general education or elective requirement. Grade is Pass/Fail. May be repeated once. Permission of Chair required.

MHC 490 Manage Human Cap Internship I (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

MHC 491 Manage Human Cap Internship II (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

MHC 493 Manage Human Capital Research I (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

MHC 494 Manage Human Capital Research II (3 credits)
Prerequisites: HSB students: MGT 110 or MGT 120 or MGT 121; Permission of Chair. CAS students: Permission of Chair.

MHC 495 Manage Human Cap: Resrch/App (3 credits)
This course focuses on critical thinking skills, research skills, and applied human capital issues. Students will learn and work on HR metrics (assessing, measuring, and valuing employee behaviors and attitudes). Substantive topics will be of interest to both people-oriented future managers and those who aspire to a career in human resources. This offering focuses on critical thinking, research and metrics relating to motivation (the OB side) and compensation (the HR side). There will also be a strong emphasis on the strategic importance of human capital in all organizations. Prerequisites: MGT 110 or MGT 120 or MGT 121; MHC 220 (or Permission of Chair); MHC 221 (or Permission of Chair); Senior standing. Prerequisites: MHC 220 and MHC 221 (may be taken concurrently) Attributes: Undergraduate

MHC 554 Ethical Practices in Business (3 credits)
This online course will consider the ethical responsibilities of managers and corporations. It is designed to raise ethical consciousness and sensitivity to the ethical dimensions of business decisions, on an individual, institution and systematic level. It will be highly interactive, introducing the student to factors which incentivize ethical and unethical behavior, and to dilemmas which arise in business. It will provide plausible decision procedures and frameworks for dealing with ethical matters and methods for rationally adjudicating ethical disputes. It is also designed to reveal common patterns of success and failure in managing ethical conflicts. It will attempt to engage students in a critical evaluation of managerial and corporate ethics and encourage each student to develop a justifiable perspective on the role of ethics in business and their responsibility to various stakeholders.

MHC 560 Strategic Human Cap&Talent Mgt (3 credits)
This course examines the integration of human resource management strategy within the broader context of an organization’s business strategy. Students will gain an understanding of major approaches to business strategy, and the corresponding implications for human resource management in varied strategic circumstances. Implications of a firm’s strategy for functional areas within human resource management will also be examined. The course will introduce emerging trends in theory, research, and the practice of human resource management. Restrictions: Students cannot enroll who have a major in Undeclared. Enrollment limited to students in the following programs:
• GBMB
• GRB1
• MBAFMKT
• MBAINTL
• MBAPHMK
• MBAPHMKOL
• MBAFCAD
• MSMHC

Enrollment is limited to Graduate level students.

MHC 561 Human Cap Research Meas&Metric (3 credits)
This course is designed to introduce students to the processes involved in measuring the effectiveness of human resource programs, and to provide a thorough grounding in survey methodology, from survey design through data collection and data analysis. Students will build their skills in survey design and construction, scale selection, survey administration, and data analysis and evaluation. Students will be required to conduct a research study during which they will act as project managers/lead researchers responsible for envisioning, executing, analyzing, interpreting, and reporting the results of the study to an external client. The overarching goal of the course is to prepare human resource professionals to effectively lead a survey project and to interpret the results of research conducted by others. Prerequisites: MHC 560 or MGT 560 Restrictions: Enrollment is limited to students with a major in Managing Human Capital. Enrollment limited to students in the MSMHC program. Enrollment is limited to Graduate level students.
MHC 562 Employment & Labor Law (3 credits)
This course will provide an overview of the major laws that govern employer/employee relations in both union and non-union workplaces. Labor topics include, inter alia, the historical development of labor law, union organizing, unfair labor practices, concerted activities by unions and dispute settlement. Employment law topics include, inter alia, employment discrimination, testing, evaluation and privacy, and laws that govern wage and salary, health and safety, income security, benefits continuation, and family and medical emergencies.

Prerequisites: MGT 552 or MGT 554
Restrictions: Enrollment is limited to students with a major in Managing Human Capital. Enrollment limited to students in the MSMHC program. Enrollment is limited to Graduate level students.

MHC 563 Human Resource Technology (3 credits)
The course examines how technology has enabled and transformed the modern human resource function within large enterprises. A variety of HR applications will be covered including Employee and Manager Self Service, Talent Acquisition, Performance Management, e-Learning, Compensation Planning and HR Analytics. The processes required justify, select, deliver and support HR technology solutions will be analyzed. Finally, special topics such as HR data privacy, HR Shared Service Centers, HR Outsourcing and the evolution and future of HR Technology will be covered.

Prerequisites: MGT 560 or MHC 560
Restrictions: Enrollment is limited to students with a major in Managing Human Capital. Enrollment limited to students in the MSMHC program. Enrollment is limited to Graduate level students.

MHC 564 Finance & Acc for Managers (3 credits)
This course develops students' practical skills in the interpretation and use of financial and accounting information for managerial decision-making. Students will learn how to (1) understand and analyze financial statements, (2) evaluate relevant costs for decision-making, (3) perform present value analyses, and (4) make sound capital budget decisions.

Prerequisites: (MGT 500 or MGT 500 Waiver Score with a score of 1) and (ACC 500 or ACC 500 Waiver Score with a score of 1)
Restrictions: Enrollment is limited to students with a major in Managing Human Capital. Enrollment limited to students in the MSMHC program. Enrollment is limited to Graduate level students.

MHC 565 Workforce Diversity (3 credits)
Managing diversity is becoming increasingly important to contemporary organizations and is likely to become more critical in the future as the population and workforce become even more heterogeneous. Human diversity is both a moral imperative and a potential source of competitive advantage. This course is designed to help students become aware of the multiple dimensions of diversity such as race, class, gender, physical ability, sexual orientation, age, and nationality. In addition, differences in function, perspective, and work style will be explored to examine their potential impact in the workplace. The course provides information and experiences to help make students more proficient in dealing with an increasingly diverse workforce. Prerequisite: Completion or waiver of MGT 500.

Prerequisites: MGT 500 Waiver Score with a score of 1 or MGT 500
Restrictions: Enrollment limited to students in the following programs:
• GBMB
• GRB1
• MBAFMKT
• MBAINTL
• MBAPHMK
• MBAPHMKOL
• MBATRAD
• MSMHC

MHC 651 Career Management in Organ (3 credits)
This course examines the basics of career development and how it fits into the organizational structure. It includes theory and practice of career/adult development, its delivery systems, and its target populations. Prerequisite: Completion or waiver of MGT 500.

Prerequisites: MGT 500 Waiver Score with a score of 1 or MGT 500
Restrictions: Enrollment limited to students in the following programs:
• GBMB
• GRB1
• MBAFMKT
• MBAINTL
• MBAPHMK
• MBAPHMKOL
• MBATRAD
• MSMHC

MHC 652 Interpersonal & Influence Skill (3 credits)

MHC 655 Influence/Negot/Conflict Skill (3 credits)
Whether conflict is healthy or unhealthy for an organization is a function of an individual's ability to surface, work with, and resolve differences that inevitably arise in organization life between individuals and within and between groups and departments. This course examines the psychological and social dynamics which are connected to conflict, including power, leadership, personal needs, roles, communication. It also provides practical tools and skills development for dealing with conflict in a range of organizational settings. Prerequisite: Completion or waiver of MGT 500.

Prerequisites: MGT 500 Waiver Score with a score of 1 or MGT 500
Restrictions: Enrollment limited to students in the following programs:
• GBMB
• GRB1
• MBAFMKT
• MBAINTL
• MBAPHMK
• MBAPHMKOL
• MBATRAD
• MSMHC
MHC 662 Total Rewards (3 credits)
The focus of this course is on strategic compensation systems needed in a dynamic business environment. Both basic and advanced concepts are reviewed, including job evaluation, wage and salary structures, gain-sharing, and other pay-for-performance systems.
Restrictions: Enrollment limited to students in the following programs:
- GBMB
- GRB1
- MBAFMKT
- MBAINTL
- MBAPHMK
- MBAPHMKOL
- MBATRAD
- MSMHC
Enrollment is limited to Graduate level students.

MHC 663 Talent-Selection & Retention (3 credits)
An examination of traditional staffing functions (recruitment, selection, orientation) is undertaken so that the process by which organizations and individuals are matched may be better understood. Always mindful of the legal issues that permeate these processes, this unique course will examine the staffing function at an advanced level. Issues such as labor supply and demand, HR strategy and planning, the regulatory environment, validity and reliability, job analysis, realistic job previews, assessment centers, honesty and ability testing, and state of the art recruitment and selection techniques will be explored in depth.
Restrictions: Enrollment limited to students in the following programs:
- GBMB
- GRB1
- MBAFMKT
- MBAINTL
- MBAPHMK
- MBAPHMKOL
- MBATRAD
- MSMHC
Enrollment is limited to Graduate level students.

MHC 667 Human Resource Fundamentals (3 credits)
This course will provide the student with the fundamental knowledge essential to all practicing HR professionals. Critical HR functions will be explored in depth to provide a solid understanding of the many issues confronting the HR professional. Topic areas will include (but not be limited to) Strategic Management, Workforce Planning and Employment, Human Resource Development, Total Rewards, Employee and Labor Relations, and Risk Management. In all topic areas, the legal impact of human resources decision making will be considered. This course is appropriate for early HR careerists, those interested in entering the HR field, and students interested in how HR practices further organizational performance.
Restrictions: Enrollment limited to students in the following programs:
- GBMB
- GRB1
- MBAFMKT
- MBAINTL
- MBAPHMK
- MBAPHMKOL
- MBATRAD
- MSMHC
Enrollment is limited to Graduate level students.

MHC 797 Manage Hum Cap:Strategy&App (3 credits)
This course requires the student to apply their knowledge of business strategy and human resource management in the development of a Strategic Human Resource Management Project. This project will build on previous course work in the MSHRM Program and allow students to choose a particular area of interest in which to further enhance their knowledge and expertise. Students may choose either a field-based project or choose to conduct an in-depth exploration into a particular HR discipline. Throughout this course, each student will demonstrate their ability to fulfill the four strategic human resource management roles serving as a strategic business partner, a change agent, an employee advocate, and an efficient administrator. Prerequisites: Completion of all required foundation and core MSMHC courses. Open to MSMHC students only.
Restrictions: Students cannot enroll who have a major in Undeclared.
Enrollment limited to students in the following programs:
- GRB1
- MBAFMKT
- MBAINTL
- MBAPHMK
- MBAPHMKOL
- MBATRAD
- MSMHC
Enrollment is limited to Graduate level students.
MKT 201 Principles of Marketing (3 credits)
In today's Marketing environment, information is power. An in-depth study of the various steps of the market research process from problem definition to data analysis. Focus on the use of market research techniques and technology as applied to marketing planning, product development, performance monitoring and marketing communications. Prerequisite: MKT 201.
Attributes: Undergraduate

MKT 202 Marketing Research (3 credits)
In today's Marketing environment, information is power. An in-depth study of the various steps of the market research process from problem definition to data analysis. Focus on the use of market research techniques and technology as applied to marketing planning, product development, performance monitoring and marketing communications. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 211 Honors Principles of Marketing (3 credits)
Brands, sports teams, charities, politicians and entertainers all depend on Marketing to stand out from the crowd. An introduction to the theory and practice of Marketing—the process of building strong relationships with customers by meeting or exceeding their needs. In this course, you will review the basic concepts of Marketing from "STP" (Segmenting, Targeting & Positioning) to the "4 Ps" (Product, Promotion, Price & Place). The broad social, cultural, political and economic issues that impact Marketing are also examined. Limited to students in the Honors Program. Prerequisites: (ECN 1011 or ECN 1015) or ECN 101

MKT 295 Independent Study Marketing (3 credits)

MKT 301 Integrated Mktg Communications (3 credits)
Breaking through the "clutter" to gain the customer's attention is a never-ending challenge. An inclusive review of the various elements of Integrated Marketing Communications and how they are used to successfully engage the target audience. Topics such as advertising, digital/alternative media, public relations and sales promotion are addressed from creative development to media selection to execution with the goal of communicating to constituents with one clear voice. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 302 Consumer & Buyer Behavior (3 credits)
Understanding what makes customers "tick" is the foundation of successful Marketing. A study of how consumer and business needs and wants are converted into satisfactions, with primary emphasis on the core consumer psychological processes that underlie consumer decision making. The course highlights major consumer behavior models, current research on consumer behavior, and the socio-cultural issues that influence consumers. Prerequisite: MKT 201
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 303 MKT Communications (non-Bus) (3 credits)
This course is for Communications Studies students who will not take Principles of Marketing (MKT 201). Topics such as advertising, digital/alternative media, public relations and sales promotion are addressed from creative development to media selection to execution with the goal of communicating to constituents with one clear voice. Not available to Marketing majors or minors.
Attributes: Undergraduate

MKT 312 Selling and Sales Management (3 credits)
Behavioral and systems approaches to selling will be covered, along with the role of selling in the Marketing mix and the importance of selling in customer service. Discussion of sales force management including the tools and techniques of effective sales presentations, the role of technology, sales training and motivation. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 313 Ethics in Marketing (3 credits)
With almost lightning speed, technology has changed the way we learn, communicate, forge relationships and shop. Explore the growing popularity of using digital technologies to reach consumers and further your working knowledge of the four zones of social media (community, publishing, entertainment & commerce). Prerequisite: MKT 201
Prerequisites: MKT 201 or MKT 211
Attributes: Ethics Intensive (New GEP), Undergraduate

MKT 314 Social Media Marketing (3 credits)
With almost lightning speed, technology has changed the way we learn, communicate, forge relationships and shop. Explore the growing popularity of using digital technologies to reach consumers and further your working knowledge of the four zones of social media (community, publishing, entertainment & commerce). Prerequisite: MKT 201
Prerequisites: (MKT 201 or MKT 211) or MKT 301
Attributes: Undergraduate

MKT 315 Mk in a Multicultural World (3 credits)
The American demographic landscape is shifting dramatically and Marketing must strive to keep up. Discussion of the challenges and opportunities for marketers wishing to target various ethnic groups in the United States. Topics include how to develop Marketing strategies and refine the Marketing mix to best serve and research these different and changing groups. Prerequisites: MKT 201 and MKT 301 or MKT 303.
Prerequisites: (MKT 301) and (MKT 201 or MKT 211 or MKT 303)
Attributes: Diversity Course (New GEP), Undergraduate
MKT 321 Advertising (3 credits)
Advertising has come a long way from the days of "Mad Men", yet it is still the most prominent and glamorous component of the communications mix. An effective ad should inspire us to buy, click, donate or even vote.
This course will examine the elements of successful Advertising from strategy and development to execution and evaluation. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or PMK 351 or FMK 303 or MKT 303)
Attributes: Undergraduate

MKT 322 Adver & Promo Management (3 credits)

MKT 323 Media Management (3 credits)

MKT 324 Public Relations and Publicity (3 credits)
Is all PR really good PR? The concepts, history, theory, social responsibility and management of Public Relations and its role in the communications mix. This course will survey PR problems and practices in corporations, government agencies, associations and not-for-profit organizations. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303 or PMK 351 or FMK 303)
Attributes: Undergraduate

MKT 325 Fundamentals of Design (3 credits)
A "hands on" course where you will learn graphic skills that are the technical foundation for transforming advertising concepts into effective visual communications. Extensive use of current online graphics programs. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303)

MKT 326 Media Now (3 credits)
This course will introduce students to the institutional, political and economic forces that shaped the development of media, including ownership structures, corporate practices, and state policy interventions affecting media institutions in both the public and private sectors. Students will also analyze the interrelations between Cultural, Multicultural and Communication Policy interventions. Prerequisites: MKT 201 and MKT 301 or MKT 303
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303 or PMK 351 or FMK 303)
Attributes: Undergraduate

MKT 327 Global Marketing Communications (3 credits)
This course uses writing to help students understand the various problems and opportunities of globalization as applied to marketing communications. The fundamental principle is that knowledge of cultural specifics or value paradoxes is the basis of effective global marketing communications strategies, and the main dispute in global marketing communications should not just be about the efficiency of standardization but more about the effectiveness of cultural segmentation. Prerequisites: MKT 201 and MKT 301 or MKT 303.
Prerequisites: (MKT 201 or MKT 211) and (MKT 301 or MKT 303 or PMK 351 or FMK 303)
Attributes: Diversity Course (New GEP), Undergraduate, Writing Intensive Course- GEP

MKT 331 International Marketing (3 credits)
Marketing is going global at a rapid pace. A multi-faceted study of the concepts, methods and challenges of conducting business in international markets. The economic, political, cultural and geographical factors affecting multinational marketers are addressed from the perspective of various stakeholders including customers, exporters and local businesses. Prerequisite: MKT 201.
Prerequisites: (MKT 1011 or MKT 1015) or MKT 201
Attributes: Globalization Course (New GEP), Undergraduate

MKT 341 Music Marketing (3 credits)
A course for individuals considering a career in Music Marketing or the Music Industry minor. Examines the use of music in marketing often called audio branding. Using popular press and case studies, this course looks at the integration of music in advertising, television, sports, film and other media.
Attributes: Music Industry Course, Undergraduate

MKT 342 Music and Entertainment Law (3 credits)
A discussion of the legal issues in the entertainment industry from the perspective of various stakeholders including artists, writers, agents, producers and distributors. Using a legal framework, students will examine a variety of entertainment scenarios including concerts, shows, radio and TV. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Music Industry Course, Undergraduate

MKT 343 Entertainment Marketing (3 credits)
Entertainment can be viewed as both a 'product' and as a promotional tool. Learn about entertainment industry Marketing practices as well as the organizations and people who conceive of, create and distribute entertainment properties including television, film, music, gaming and theater. Prerequisite: MKT 201
Prerequisites: MKT 201 or MKT 211

MKT 344 Business of Recorded Music (3 credits)
This course focuses on the structure and function of the recording industry and the role of various participants. It examines past, present and future business models employed by recording companies as they relate to recorded music's value chain.

MKT 350 Event Marketing (3 credits)
The use of Event Marketing as a strategy to reach consumers beyond traditional, cluttered advertising mediums. You will learn how to plan and execute events, and use events to effectively engage prospective consumers, build brand awareness, and market a company's products and services. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate
MKT 351 Business of Sports (3 credits)
A look at professional and college sports as big business including league structure; ownership and franchise values; sources of revenue; sports media; labor issues; competitive balance; and the economic and financial aspects of college athletic departments. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 352 Sports Law (3 credits)
Many of today's sports headlines have little to do with wins and losses. A discussion of the legal issues related to sports, from managing sports-related businesses to working as a sports agent or a university athletic director. Students will delve into existing sports business lawsuits and collective bargaining agreements to stimulate discussion and formulate answers to practical sports business problems.
Restrictions: Students with a class of Freshman may not enroll.
Attributes: Undergraduate

MKT 353 Sports Marketing (3 credits)
Sports Marketing has become increasingly sophisticated over the last decade as teams compete for the entertainment dollar. A study of marketing, promotion, sales and sponsorship strategies utilized in the sports industry by both sports properties and brand partners. Prerequisite: MKT 201
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 354 The Business of Baseball (3 credits)
MKT 355 Sports, Selling & Sales (3 credits)
Learn how to develop the skills essential to effectively building sales and revenue within a sports business and leverage the various revenue producing opportunities within a sports franchise or organization. The course will explore critical factors in successfully renewing and growing sales with both consumers and corporate partners. Prerequisites: MKT 201 and MKT 351. Co-requisite: MKT 353.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 356 Sports Media (3 credits)
MKT 358 College Athletics (3 credits)
Principles and practices of running the business of college athletics in an NCAA institution. Discussion of the roles and responsibilities of the athletic director and staff, compliance officers, coaches, and marketing personnel, as well as issues related to conformance to NCAA regulations and racial and gender equity in the business of college athletics. Prerequisites: MKT 201 and MKT 351. Co-requisite: MKT 353.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 361 Sports Licensing & Merchandise (3 credits)
MKT 362 Digital Media in Sports (3 credits)
This course will review the sports digital landscape including current issues, best practices, branding, mobile sports, ticketing, fantasy sports and e-commerce. Prerequisites: MKT 201 and MKT 351. Co-requisite: MKT 353.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 363 Sports Analytics (3 credits)
The use of data and quantitative methods to measure performance and make decisions in the competitive sports arena. The analytical skills learned in this course can be applied to various industries beyond sports. Prerequisites: MKT 201.
Prerequisites: MKT 201
Attributes: Undergraduate

MKT 370 Spec Topics:Sports Marketing (3 credits)
This course will be offered periodically on a topic of interest in the field of Marketing as chosen by the instructor. Prerequisite: MKT 201.
Prerequisites: MKT 201 or MKT 211
Attributes: Undergraduate

MKT 401 Marketing Strategy (3 credits)
Pulling it all together is the focus of this Marketing capstone course, whereby students apply the Marketing knowledge acquired from previous Marketing courses. Students will conduct in-depth analysis of consumer, industrial and not-for-profit Marketing issues. Cases dealing with product innovation and development, Marketing demand, pricing, distribution and promotion will also be explored. Can only be taken during the senior year.
Prerequisites: MKT 201, MKT 202, MKT 301 and MKT 302.
Prerequisites: (MKT 201 or MKT 211) and MKT 202 and MKT 302 and (MKT 301 or MKT 303)
Restrictions: Enrollment limited to students with a class of Junior or Senior.
Attributes: Undergraduate

MKT 450 Marketing Study Tour (3 credits)
A specially designed international tour to varying countries which offers students a unique opportunity to study international business and develop a better understanding of the global marketing environment— its dimensions, participants, trends and opportunities. Students will also experience the heritage, ambiance, and excitement of the world's great countries and cities. Prerequisite: MKT 201.
Attributes: Undergraduate

MKT 490 Internship in Marketing I (3 credits)
An on-the-job experience whereby students spend a minimum of fifteen hours a week applying Marketing principles for an approved employer. All students must take MKT 201 as a pre-requisite to any internship. A minimum GPA of 2.5 is required. Students who have a GPA of 3.0 or higher may take this course after completing one other MKT course. Students with a GPA of 2.5-3.0 must take three other MKT courses prior to doing an internship. Course requires approval of Marketing Department Internship Coordinator prior to registration.
Prerequisites: (MKT 201 or MKT 211) and MKT 351 and MKT 353
Attributes: Undergraduate

MKT 491 Internship in Marketing II (1,3 credits)
This course is meant for students with an internship opportunity, for which the prospective employer requires university credits, and who have already completed a three-credit internship. The course is limited to General and Sports Marketing majors who have completed MKT 201 plus a three-credit internship. Course requires approval of Marketing Department Internship Coordinator prior to registration. This practicum does not satisfy any major or minor requirements. Grade will be Pass/ Fail.
Prerequisites: (MKT 201 or MKT 211) and MKT 351 and MKT 353 and (MKT 490 or MKT 497)
Attributes: Undergraduate
MKT 492 Marketing Internship (1 credit)
MKT 493 Indep Study in Marketing I (3 credits)
MKT 494 Indep Study in Marketing II (3 credits)
MKT 497 Sports Mktg Internship Summer (3 credits)
MKT 499 Research Practicum (3 credits)
Take your research skills to the next level while developing the insights needed to make effective Marketing decisions. Prerequisites: MKT 201 and MKT 302
Prerequisites: MKT 201 and MKT 202
Attributes: Undergraduate

MKT 501 Marketing Concepts (3 credits)
An introduction to the theory and practice of Marketing—the process of building strong relationships with customers by meeting or exceeding their needs. After developing a basic foundational knowledge of key Marketing principles, you will apply what you learned to developing effective Marketing strategies.
Restrictions: Enrollment is limited to Graduate level students.

MKT 509 Curricular Practical Training (1 credit)
MKT 521 Marketing Concepts (2 credits)
This course is intended to provide an overview of the philosophy and organization of marketing, the concepts of marketing planning and strategy, the impact of the macro and task environments on the marketing function, the marketing research function and the process of managing marketing information flows, and the major elements of marketing programs. The concepts of positioning, segmentation and targeting will be highlighted, along with discussion of product planning and development, and the elements of the marketing mix.

MKT 530 Marketing Foundation (2 credits)
The course sets the stage for future study by taking students through the marketing fundamentals beginning with strategy, target marketing and opportunity analysis, then developing product, price, distribution, and promotion (the 4 Ps), and an introduction to customer-driven marketing strategy.

MKT 531 Integrated Mktg Communications (1 credit)
This course is designed to introduce the student to the important elements of effective and integrated Marketing Communications (IMC) including advertising, sales promotion, personal selling, publicity, public relations, interactive marketing, and direct marketing. As well as the numerous facets of traditionally IMC, students will learn how emerging strategies as well as internet and search marketing are playing more critical roles in developing effective integrated marketing campaigns.

MKT 545 Graduate Marketing Gateway (3 credits)
The issue of environmental sustainability is no longer a "fringe" issue. Instead, the issue of environmental sustainability requires a paradigm shift in the way managers think about their own role within the broader scope of the global community. Businesses that are more sustainable are shifting in the way managers think about their own role within the broader scope of the global community. Businesses that are more sustainable are

MKT 550 Marketing Strategy (3 credits)
This course will prepare students to guide the development, application, and assessment of business strategy from a customer-focused, market-sensing, and competitor-driven perspective. Learn how the fundamentals of strategic thought -- such as the resource-based view and market orientation -- can inform decisions to enter new markets, be market driven, drive markets, position brands, and create and measure customer value. Lessons will be delivered through a combination of texts, case studies, marketing metrics exercises, videos, and applied projects.
Prerequisite: MKT 501 or equivalent.
Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 602 Promotional Strategy (3 credits)
Breaking through the "clutter" to gain the customer's attention is a never-ending challenge. An inclusive review of the various elements of Integrated Marketing Communications and how they are used to successfully engage the target audience. Special emphasis is placed on media selection, the creative process, promotion planning and the allocation of resources as promotional tools. Prerequisite: MKT 550.
Prerequisites: (MKT 4015 or MKT 550 or MBA 4615)
Restrictions: Enrollment is limited to Graduate level students.

MKT 604 International Marketing (3 credits)
Marketing is going global at a rapid pace. A multi-faceted study of the concepts, methods and challenges of conducting business in international markets. The economic, political, cultural and geographical factors affecting multinational marketers are addressed from the perspective of various stakeholders including customers, exporters and local businesses. Prerequisite: MKT 550.
Prerequisites: (MKT 4015 or MKT 550 or MBA 4615)
Restrictions: Enrollment is limited to Graduate level students.

MKT 605 Research in Marketing (3 credits)
Today's marketers need to expand beyond conceptual marketing and embrace new sources of information and technology using marketing research, data mining and computer decision models to make marketing decisions. In this course, we integrate concepts, analytic marketing techniques and a software toolkit to train the new generation of marketers to become successful marketing managers. Prerequisite: MKT 550.
Prerequisites: MBA 4615 or MKT 550
Restrictions: Enrollment is limited to Graduate level students.

MKT 606 Consumer Behavior (3 credits)
Marketing begins and ends with the customer, from determining customers' needs and wants to providing customer satisfaction and maintaining customer relationships. This course highlights major consumer behavior models, current research on consumer behavior, and the socio-cultural issues that influence consumers with the goal of understanding how they can be used to improve marketing decision-making. Prerequisite: MKT 550.
Prerequisites: MBA 4615 or MKT 550
Restrictions: Enrollment is limited to Graduate level students.

MKT 607 The Business of Sports (3 credits)
A look at professional and college sports as big business including league structure; ownership and franchise values; sources of revenue; sports media; labor issues; competitive balance; and the economic and financial aspects of college athletic departments. Prerequisite: MKT 550.
Prerequisites: MKT 550 or MBA 4615
Restrictions: Enrollment is limited to Graduate level students.
MKT 608 Marketing and Social Media (3 credits)
Technology has changed the way we learn, communicate, forge relationships and shop. In this class, you will learn how to build a great brand using digital tools such as social networking, blogging virtual worlds, podcasting and mobile applications. Prerequisite: MKT 550
Prerequisites: MKT 550 or HSB Waiver with a score of MK550 or MGT 550 Placement Score with a score of 1
Restrictions: Enrollment is limited to Graduate level students.

MKT 609 Marketing Analytics (3 credits)
This application-oriented course introduces quantitative analytic concepts that can inform marketing decisions, assess marketing performance, and detail return on marketing investment. Using spreadsheets, data mining and computer-based models, students will learn how to determine market size and share, identify segments and positioning characteristics, interpret surveys, understand cost and pricing, and optimize distribution. Prerequisite MKT 550
Prerequisites: MKT 550

MKT 610 Digital Marketing & Web Analytics (3 credits)
This course provides insight to the fundamentals of digital marketing and web analytics. In this course students will learn how to use various online tools to develop successful campaigns. Topics covered include, search engine marketing (SEM), search engine optimization (SEO), internet and mobile advertising, social media and web analytics. Prerequisite: MKT 550
Prerequisites: MKT 550
Restrictions: Enrollment is limited to Graduate level students.

MKT 611 Global Marketing Concepts (3 credits)

MKT 612 Global Cultures and Consumers (3 credits)
This course examines the basic concepts and principles in consumer behavior with the goal of understanding how these ideas can be used in marketing decision making. It approaches these phenomena within a global framework that emphasizes the importance of the cultural dynamics that influence the meaning of consumption and of consumer behavior around the world. Prerequisites: MKT 501 or equivalent and permission of Program Director.
Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 613 International Channel Management (3 credits)
An introduction to cycle of goods (the Channels) from the starting point of sourcing through to payment by the end-user, with a strong focus on the international aspects of moving goods. These core processes involve the traditional functional boundaries and encompass important activities such as information management; inventory flow scheduling and control; logistics-production coordination; international transportation systems; operation and infrastructure; and customer service, order fulfillment, and distribution facilities management. Prerequisites: MKT 501 or equivalent and permission of Program Director.
Prerequisites: MKT 501 or MKT 201 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 614 International Mktg Research (3 credits)
This course exposes the student to research methodology, and qualitative and quantitative data analytic methods that can be applied to marketing decisions. It addresses general and contemporary issues in consumer behavior, product development, pricing, promotion, and channels in the international marketing context. Permission of Program Director required.
Prerequisites: MKT 501 or MKT 501 Waiver Score with a score of 1 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 615 Emerging Markets (3 credits)

MKT 616 Global Mktg Communications (3 credits)
An inclusive review of the various elements of Integrated Marketing Communications and how they are used to successfully engage customers including advertising, public relations, sales promotion, direct marketing, e-commerce, event planning, and sponsorships. Students will also explore the role of cultural differences, social-political issues, and global communications institutions in helping multinational organizations communicate with target audiences. Prerequisites MKT 501 or equivalent and permission of Program Director.
Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 617 Quant Methods for Intl Mktg Mgt (3 credits)

MKT 618 Int'l Prod Develop & Brand Mgt (3 credits)
This course is designed to emphasize the interdisciplinary nature of complex problems in developing and marketing products and services. Students will be exposed to a variety of planning concepts and tools that are available to managers to assist with the creation and management of products and services for the international market. In addition, this course examines brand equity and brand management from a global perspective. Prerequisites: MKT 501 or equivalent and permission of Program Director.
Prerequisites: MKT 501 or HSB Waiver with a score of MK501
Restrictions: Enrollment is limited to Graduate level students.

MKT 620 Customer Analytics (3 credits)
This course will focus on the capture, analysis, and utilization of data related to consumer/customer behavior, preferences, and other characteristics. Students will learn how to produce effective data capture methods such as surveys, online intercepts (e.g., cookies, social media), retail panel data, and so on. Students will also develop skills in using software applications for understanding market segmentation, consumer preferences, product positioning, consumer sentiment, and general data visualization.

MKT 621 Qualitative Marketing Research (3 credits)
This course helps develop knowledge and skills in the application and use of qualitative research techniques to develop customer insights. The course provides a survey of qualitative research methods paired with relevant exemplars in various marketing domains. Students will learn best practices for data collection and analysis as well as presentation and application of findings.
Prerequisites: MKT 550

MKT 622 Advert & Consumer Insight (3 credits)
This course introduces students to advertising theory and techniques related to the strategic engagement of consumers via print, electronic, and other media. Students will be exposed to a variety of advertising metrics, key performance indicators, data sources, and analytical tools utilized in the advertising field.

MKT 623 Predict Analytics for Mkt (3 credits)

MKT 650 Marketing Study Tour (3 credits)
A specially designed international tour to varying countries which offers students a unique opportunity to study international business and develop a better understanding of the global marketing environment—its dimensions, participants, trends and opportunities. Students will also experience the heritage, ambiance, and excitement of the world's great countries and cities. Prerequisites: MKT 550 and permission of Program Director.
Prerequisites: (MKT 4015 or MKT 550 or MBA 4615)
Restrictions: Enrollment is limited to Graduate level students.
MKT 770 International Mktg Study Tour (3 credits)
This is a specially designed tour to varying locations which offered students a unique opportunity to study international marketing and develop a better understanding of the global marketing environment: its dimensions, participants, trends, and opportunities. Students will also experience the cultural heritage, ambiance, and excitement of the world’s great countries and cities. Prerequisite: MKT 501 or equivalent and admission to the M.S. in International Marketing Program or permission of instructor.

Prerequisites: MKT 501 or MKT 201 or MKT 501 Waiver Score with a score of 1 or HSB Waiver with a score of MK501

Restrictions: Enrollment is limited to Graduate level students.

MKT 771 Research in International MKTG (3 credits)

MKT 772 ST: Advanced Research & Stats (3 credits)
This course covers basic multivariate data analysis with an emphasis on applications for business, marketing research and consumer behavior. Emphasis on applications of multivariate analysis from a conceptual viewpoint as well as research design.

Prerequisites: MKT 550 and MKT 614 or MKT 605

MKT 792 Marketing Internship (1,3 credits)

MKT 795 Seminar in International Mktg (3 credits)
This capstone course builds upon the lessons and skills acquired in previous international marketing courses. It prepares the student to actively lead and/or support decision-making processes for international marketing operations. Bringing together marketing strategy and policy, the course reviews current topics in international marketing, such as branding, product and market development, channels of distribution, competition as well as cross-cultural perspectives on customer relationship management, intellectual property, ethics, and other contemporary issues. Prerequisite: MKT 501 or equivalent and admission to the M. S. in International Marketing Program or permission of the instructor.

Prerequisites: MKT 501 or MKT 201 or MKT 501 Waiver Score with a score of 1 or HSB Waiver with a score of MK501

Restrictions: Enrollment is limited to Graduate level students.

MKT 3015 Marketing Concepts (3 credits)

MKT 4015 Marketing Management (3 credits)
MARKETING

PHARMACEUTICAL EX (MPE)

MPE 530 Marketing Foundation (2 credits)
The course sets the stage for future study by taking students through the marketing fundamentals beginning with strategy, target marketing and opportunity analysis, then developing product, price, distribution and promotion, and an introduction to customer driven marketing strategy, all in a managed care context.

Restrictions: Enrollment is limited to students with a major in Food Marketing or Pharmaceutical Marketing. Enrollment is limited to Graduate level students. Enrollment limited to students in a Master of Bus Administration degree.

MPE 610 Drug, Device Regulations (2 credits)
With the plethora of new communications vehicles, including direct-to-consumer advertising and the Internet, the goal of achieving marketing objectives and remaining in adherence with FDA regulations/guidelines has become increasingly difficult. This course will provided a working knowledge of the federal regulation of prescription drug promotion and associated marketing practices and will provide insight into drug promotion issues currently of interest to FDA and the pharmaceutical industry. The course will also consider the impact of products liability and anti-kickback concerns on developing marketing programs for prescription drugs.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 620 Supply Chain Management (2 credits)
This course presents the key issues and concepts needed by the pharmaceutical industry to develop an effective way to design, build, manage and evaluate the performance of strategic partnerships among channel partners such as suppliers, wholesalers, marketing research firms, pharmacies, integrated health systems, managed care organizations, etc. Based on relationship marketing concepts, the key subjects include benchmarking channel relationships, selection criteria for identifying successful partners, new channel design, and role of technology in implementing channel partnerships, contract negotiations among others. Key subjects include: information systems and technology; benchmarking your distribution system; implementing quick response programs such as EDI, Flow-through and Partnerships.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 625 Creating Effective R & D (2 credits)
Traditionally the scientific and commercialization activities within pharmaceutical companies have existed as separate entities with varying relationships related to information sharing and integration of business strategy into the drug development and approval process. Enhanced linkage/collaboration between these two functions can lead to a competitive advantage as it relates to attainment of the overall corporate research and commercial strategic objectives necessary for improving the business, marketing planning and commercialization.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 630 Marketing Research (2 credits)
In this course you will be taught the fundamental steps involved in the pharmaceutical marketing research process. The course will expose you to the pharmaceutical marketing research process using both primary and secondary data sources. Special attention will be provided to syndicate data sources from IMS and Scott Levin. The course will also cover topics like research design, data analysis and interpretation of results. This course can be beneficial to beginners in marketing research and to the users of marketing research information for decision-making.

Prerequisites: MPE 7810 or DSS 592
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 640 Pharmacoeconomics (2 credits)
This course reviews the principal elements and concepts in economics, history and development of health economics, and the applied uses of the discipline of economics made possible since the quantification of studies has been developed and perfected. These introductory sections are presented by lecture and discussion group. In addition, the need for uses of and value of health economics studies is reviewed and pharmaceutical-related examples are presented.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 650 Competitive Analysis (2 credits)
Examination of various strategies and strategic frameworks are examined with a discussion of the advantages and shortcomings of each. The explicit purpose of the course lies in developing a strategic perspective to solving marketing problems rather than a tactical approach.

Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 660 Sales Management (2 credits)
This course covers the concepts and applies the theories associated with managing a sales force. Specifically, the course is designed to help students learn sales management concepts and how to apply them to solve business problems in the pharmaceutical industry. We will focus on the activities of first-line field sales managers. To function effectively as managers, students must know how salespeople perform their jobs. With this in mind, we will cover personal selling, account relationships, territory management, and sales ethics with special emphasis on current issues of managing strategic account relationships, team development, and diversity in the work force, sales force automation and ethical issues.

Prerequisites: MGT 520 or HSB Waiver with a score of MG520
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.
MPE 670 Pricing (2 credits)
Pricing is one of the most important marketing mix decisions that a firm makes, and it affects all other elements of the marketing mix. This course examines the theories and strategies that firms use to set and change prices. Firms are required to anticipate and respond to changes in competitors' activities and in areas of the external environment, such as, political, social, regulatory and technological. Some of the issues that will be covered include: Why is pricing often ineffective? How should a firm's costs affect its pricing decisions? What is customer price sensitivity? How do you anticipate and influence the price-setting behavior of competitors? How does pricing change over the product life cycle? How does pricing relate to market segmentation? How do you strive to price strategically consistent with the other elements of the marketing mix? 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 700 Strategies for Managed Markets (2 credits)
The objectives of this course are to understand the dynamics and trends of the evolving healthcare system, to review managed care's impact on pharmaceutical marketing and to develop strategies for success with the managed care customer. Students will learn to assess managed healthcare market segments, to determine the needs of this customer and to identify the potential business opportunities for their company's brands. 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 710 Product Management (2 credits)
This course will (1) focus on product decisions of the firm, requiring an occasional shift in focus from that of corporate management to that of operating managers of new product activities or established brands; (2) recognize the importance of marketing research as input to product decisions; (3) take a managerial orientation; (4) recognize the need to tailor product policy approaches to the characteristics of the decision-maker and the firm. 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 711 Pharmaceutical Strategy (2 credits)
The course provides an understanding of the way strategy is crafted for pharmaceutical, medical device and diagnostic companies to coincide with the needs of other stakeholders in healthcare delivery. Coding, coverage and reimbursement strategies to support market access are put in the context of clinical product development timelines with an emphasis to have coverage determinations and specific product coding coincide with product approvals to support successful product launches. 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 715 New Product Launch (2 credits)
MPE 720 Global Corporate Strategy (2 credits)
This course focuses on the management of multinational corporations (MNCs) with particular emphasis on Pharmaceutical and/or medical device companies operating across different nations. The international environment implies greater opportunities as MNCs have access to a wider variety of markets and resources but this environment also implies greater organizational and managerial challenges. The aim of this course is to investigate whether these challenges are worth it and how they can contribute to a company's "double" bottom line.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 770 Independent Study (2 credits)
This course is designed to accommodate those students who have an interest in a research-worthy topic that can be examined on an independent research basis. The student will work closely with a professor on a research area that will require the identification of a topic, a literature review, appropriate methodology, and analysis. 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 780 Future Issues (2 credits)
MPE 781 Health Policy (2 credits)
This course is an introduction to various components of the U.S. health care system. It examines the multiple facets of the health care system including key stakeholders (Payers, Providers, and Patients), private and public financing mechanisms for medical care, and the effects of both market competition and government regulation. The main objective of the course is for students to learn to be able to critically examine how to assess policy and coverage decisions and the tradeoffs (cost, quality, access) associated with various health care decisions or treatment alternatives. Another focus of the course is for students to gain knowledge of the U.S. health care system relevant to the pharmaceutical industry, and the process for bridging these new medical and drug technologies into the private and public sector. A major example will include a debate related to the Medicare Modernization Act. As such, we will examine how collective interests shape the design of health policies. 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 7952 Internatn'l Marketg Practicum (1.3 credits)
MPE 7951 International Marketing Tour (1.3 credits)
MPE 795 Capstone (2 credits)
This course is a simulation experience that drives home the four P's of marketing. The simulation is played from the point of view of a marketing manager in the pharmaceutical market. Over the course of the simulated years, the participant will have the opportunity to reformulate leading products, introduce line extensions, and enter new market segments. 
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing. Enrollment is limited to Graduate level students.

MPE 79602 Ethical Problems In Mktg Mgmt (1.3,3 credits)
MPE 7951 International Marketing Tour (1.3 credits)
MPE 7952 Internatn'l Marketg Practicum (1.3 credits)
MATH EDUCATION (MED)

MED 551 History of Mathematics (3 credits)
A survey of the development of mathematical ideas and techniques in social and cultural contexts. The trajectories of certain key problems will be followed, such as the nature of the Euclidean parallel postulate, the plane isoperimetric theorem and the solution of polynomial equations. The influence of practical needs (business, military, technological) will be considered. Prerequisites: Calculus II or permission of the MED director. Restrictions: Enrollment is limited to Graduate level students.

MED 552 Number Theory (3 credits)
The study of integers, primes and factorization, Division Algorithm, Euclidean algorithm, Mathematical Induction, the Fundamental Theorem of Arithmetic, linear Diophantine equations, modular arithmetic, number theoretic functions, Fermat’s last theorem, quadratic residues, primitive roots, Chinese Remainder theorem. Prerequisites: Calculus II or permission of the MED director.
Restrictions: Enrollment is limited to Graduate level students.

MED 553 Discrete Structures (3 credits)
An introduction to the basic concepts of discrete mathematics essential both to mathematics and many of its applications. Topics include logic, sets, relations, functions, recurrence equations, combinatorics, graphs. Techniques of mathematical proof will be developed. Prerequisites: Calculus II or permission of the MED director.
Restrictions: Enrollment is limited to Graduate level students.

MED 554 Geometry (3 credits)
Contemporary topics in Euclidean and non-Euclidean geometry. Topics include motion geometry, affine transformation, projective transformations, axiomatic systems, and applications of geometry. Prerequisites: MED 552 or MED 553 or permission of the MED director. Prerequisites: MED 553 or MED 4035
Restrictions: Enrollment is limited to Graduate level students.

MED 555 Probability & Statistics (3 credits)
Descriptive statistics, random variables, discrete and continuous probability distributions, moments, correlations, sampling distributions, estimation, confidence intervals, hypothesis testing, linear regression and analysis of variance. Additional topics as time permits may include factor analysis, contingency tables, multilinear regression and nonparametric methods. Prerequisites: Calculus II or permission of the MED director.
Restrictions: Enrollment is limited to Graduate level students.

MED 556 Linear Algebra (3 credits)
Linear systems, vector spaces, dimension, linear transformations, matrices, inner product, orthogonality, characteristic polynomials, diagonalization, eigenvalues, eigenvectors. Prerequisites: Calculus II or permission of the MED director.
Restrictions: Enrollment is limited to Graduate level students.

MED 557 Abstract Algebra (3 credits)
This course discusses modern topics in abstract algebra – groups, rings, ideals, fields, vector spaces. Axiomatic systems are used to prove theorems and discuss relationships such as homomorphism and isomorphism. Applications in elementary geometry and algebra are discussed. Prerequisites: Calculus II; and MED 552 or MED 553 or permission of the MED director. Prerequisites: MED 553 or MED 4035
Restrictions: Enrollment is limited to Graduate level students.

MED 559 Mathematical Problem Solving (3 credits)
Techniques of solving mathematical problems which draw on a wide mathematical background. Solutions may incorporate concepts from linear algebra, analysis, modern algebra, combinatorics, geometry and applied mathematics. Prerequisites: Calculus II; and MED 552 or MED 553 or permission of the MED director. Prerequisites: MED 553 or MED 4035
Restrictions: Enrollment is limited to Graduate level students.

MED 601 Comm & Tech in Mathematics (3 credits)
This course is designed to introduce pre-service teachers to the different types of technology available to the mathematics classroom. The use of manipulative devices, portfolios or journals, writing and verbal communication in the mathematics classroom will be discussed. Emphasis will be placed on the appropriate use of the graphing calculator, applications for the personal computer, and the internet in the mathematics classroom. Ethical and practical issues surrounding the use of technology will be discussed. Restrictions: Enrollment is limited to Graduate level students.

MED 602 Secondary Math Curriculum (3 credits)
This course examines the ways in which high school students acquire mathematical knowledge, considers the particular mathematical knowledge they should have at each grade level (as articulated by the Principles and Standards of School Mathematics), and applies this understanding to the design of secondary mathematics curricula. Restrictions: Enrollment is limited to Graduate level students.

MED 603 Assessment in Secondary Math (3 credits)
This course is a practical guide to designing a variety of assessment tools. Students will learn how to design projects, group activities, writing activities, portfolios and tests that together can be used to assess what students know and can do. The role of assessment is twofold: to assess what students have learned, and to modify our teaching strategies to enhance student learning. Students will be concerned with the curriculum of the secondary mathematics program, grades 7-12. Restrictions: Enrollment is limited to Graduate level students.

MED 604 Adv Perspect on Secondary Math (3 credits)
This course is an in depth study of the mathematics typically learned in middle and high school mathematics classes. We will identify core mathematical ideas and then also the common errors that students make, the misunderstandings they frequently have, and the questions they ask. We will develop strategies for addressing misconceptions and compose answers to questions that might arise in the classroom and in so doing further our own understanding of mathematics. We will situate the ideas within a broader mathematical context to be sure that we are generating responses that further students’ mathematical development. We will use this information to create examples, problems and projects that would enrich students’ understanding. Restrictions: Enrollment is limited to Graduate level students.

MED 605 Interdisciplinary Math & Sci Edu (3 credits)
This course explores ways to integrate math and science teaching at the secondary level. We review the mathematics and science secondary curricula and identify places where connections can be made and determine approaches to teach math and science so that concepts learned in one discipline can be used to reinforce concepts learned in the other. We consider existing projects that combine mathematics and science and use what is learned to develop new projects. Restrictions: Enrollment is limited to Graduate level students.
MED 611 Adv Methods Teaching Geometry (3 credits)
This course discusses specific topics from geometry, their impact on the changing geometry curriculum, their application through technology and their connection to other areas within and outside mathematics. Students will examine recent research trends and practical methods for teaching geometry at the secondary level and explore several methods of geometry curriculum design and instruction. Students will learn what role the processes of visualization, construction and reasoning play in learning and teaching geometry. Classroom materials, activities and techniques are discussed and developed and concepts explained and explored through a variety of modes including manipulatives, interactive computer software and graphing calculators. Prerequisite: MED 554 or permission of the MED director.

MED 612 Math Tchg:Discover Effect Prac (2 credits)

MED 750 Reading & Research in Math Ed (3 credits)

MED 770 Topics in Math Education (1-3 credits)
Topics and issues in secondary mathematics teaching, from theoretical underpinnings to practical applications. Topics will vary depending on interests and backgrounds of students. Permission of the MED director required.

Restrictions: Enrollment is limited to Graduate level students.

MED 771 Topics in Mathematics (1-3 credits)
Topics in mathematics such as advanced abstract algebra, real analysis, combinatorics, graph theory, topology, logic, and dynamical systems. Topics will vary depending on interests and backgrounds of students. Prerequisites: MED 559 or permission of the MED director.

Restrictions: MED 4095 or MED 559

Restrictions: Enrollment is limited to Graduate level students.

MED 783 Research in Mathematics I (3 credits)

MED 784 Research in Mathematics II (3 credits)
Students will design and carry out a research project in mathematics as an independent study, working closely with a faculty mentor. Permission and approval by the mentor and MED director are required.

Restrictions: Enrollment is limited to Graduate level students.

MED 793 Research in Math Education I (3 credits)

MED 794 Research in Math Education II (1-3 credits)
Students will design and carry out a research project in mathematics education as an independent study, working closely with a faculty mentor. Permission and approval by the mentor and MED director are required.

Restrictions: Enrollment is limited to Graduate level students.

MED 795 Master's Thesis (3 credits)

MED 796 Master's Thesis (3 credits)
# MATHEMATICS (MAT)

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**MAT 101 Mathematical Explorations I (3 credits)**
For humanities majors, the course covers set theory and a number of its applications, topics from logic including propositions, truth tables, number systems, and elementary geometry. Other topics may be covered at instructor's discretion. Satisfies GEP requirement for PLS students only. Open to PLS students only.

**MAT 102 Mathematical Explorations II (3 credits)**
This is a second course for humanities majors. The course covers elementary probability, including independent and dependent events, conditional probability, binomial probability, and certain applications in a wide variety of situations. MAT 1015 is not required for MAT 102. Other topics may be covered at instructor's discretion. Satisfies GEP requirement for PLS students only. Open to PLS students only.

**MAT 103 Quantitative Appl in Business (3 credits)**
Topics in finite mathematics: matrices, solving linear systems, optimization using linear programming, simplex algorithm. Pre-calculus topics: linear, quadratic, exponential, and logarithmic functions and their graphs, mathematical models, and certain applications. Prerequisite: 2 years of high school algebra. Satisfies GEP requirement for PLS and HDC students only. Open to PLS and HDC students only.

**MAT 104 Calculus Appl in Business (3 credits)**
Introduction to Calculus: mathematical models using polynomial, rational, exponential and logarithmic functions with business applications. Introduction to calculus including limits, rates of change and the derivative, optimization using the derivative, integration. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 123, MAT 155, or MAT 161.

**MAT 105 Finite Math with Appl in Bus (3 credits)**

**MAT 106 Brief Business Calculus (3 credits)**

**MAT 107 Contemporary Topics in Math (3 credits)**
This course is designed to enable the student to recognize, understand and apply various mathematical concepts and principles that are the foundation for many things that we take for granted in our everyday lives, such as Voting, Traveling, Finances, Government and the wonders of Nature. Satisfies GEP requirement for PLS students only. Open to PLS students only.

**MAT 108 Exploration of Statistics (3 credits)**
Descriptive statistics: histograms, mean and standard deviation, introduction to probability, the normal distribution, introduction to sampling and statistical inference, the central limit theorem, hypothesis testing.

**MAT 109 The Mathematics of Patterns (3 credits)**

**MAT 110 Fundamental Math for Educators (3 credits)**

**MAT 111 The Mathematics of Patterns (3 credits)**

**MAT 112 Math Model Middle Sch Teachers (3 credits)**

**MAT 118 Introduction to Statistics (3 credits)**
Introduction to statistics and probability: measures of central tendency, variability, correlation, regression, chance and randomness, random variables, probability distributions, law of large numbers, central limit theorem. Students will be required to use a computer software package to solve various statistical problems. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for this course and for MAT 118.

**MAT 119 Applied Business Calculus (4 credits)**
Review of mathematical models using polynomial, rational, exponential and logarithmic functions with business applications. Introduction to calculus including limits, rates of change and the derivative, optimization using the derivative, integration. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 123, MAT 155, or MAT 161.

**MAT 120 The Mathematics of Modeling (3 credits)**
Algebra: factoring, simultaneous equations, polynomial, rational, and exponential functions, binomial theorem, word problems. Trigonometry: basic functions, formulae, graphs. Analytic Geometry: straight line, circle, conic sections. This course does not fulfill the GEP Mathematics requirement.

**MAT 121 Math Modeling for MS Teachers (3 credits)**
Designed for students who will become middle school teachers, this course will explore mathematical topics in the context of building of building models to solve problems. The emphasis will be on using multiple representations to develop mathematical models that describe some phenomena and learning the mathematical techniques necessary for working with the model in order to use effectively to answer questions about the situation being modeled. Students will interpret results given the context of the model and develop their communication skills for explaining mathematics. This course does not fulfill the GEP Mathematics requirement.

**MAT 123 Differential Calculus (3 credits)**
Review of mathematical models using polynomial, rational, exponential and logarithmic functions with business applications Introduction to differential calculus including limits, rates of change and the derivative, optimization using the derivative. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 119, MAT 155 or MAT 161.

**MAT 128 Applied Statistics (3 credits)**
Introduction to statistics and probability: design of a study, measures of central tendency, variability, correlation, regression; probability, random variables, probability distributions, central limit theorem; inferential statistics, hypothesis testing, etc. Students will be required to use a computer software package to solve various statistical problems. Data analysis projects will be assigned. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for MAT 118.

**Attributes:** Undergraduate
MAT 130 Whole Truth about Whole Number (3 credits)
This course involves studying properties of natural numbers and integers. Topics include divisibility, prime numbers, the Euclidean Algorithm and the RSA Encryption system for putting messages into code. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 131 Linear Methods (3 credits)
This course studies basic properties and applications of matrices and vectors. Then, matrices and vectors will be used in a variety of applications, including vector geometry, elementary graph theory, solving word problems involving systems of linear equations, least-squares functions, and geometric transformations. The course also covers some topics in basic logic, including logical operators, the conditional, truth tables, quantifiers, and syllogisms. Students in this course will be required to have a graphing calculator that can perform standard matrix operations. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 132 Math of Games & Politics (3 credits)
This course will focus on both computational and theoretical aspects of probability theory, game theory and social choice theory. Topics include expected value, counting methods and conditional probability, dominant strategies, combinatorial games, Nash equilibria, fair voting criteria and, for zero sum games, saddle points and the Minimax theorem. Social choice theory topics include voting methods, weighted voting, fairness criteria and impossibility theorems. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 134 Math of Uncertainty:Rules/Prob (3 credits)
This course provides students with an in-depth introduction to probability and its many real-life applications. Students will study counting techniques including permutations, combinations, binomial coefficients, occupancy problems and runs within random orderings and will prove combinatorial identities. Students will study topics in probability including sample spaces, DeMorgan’s Laws, conditional probability, independent events, Bayes Theorem, random variables and expected value. Students will examine many of the classical problems in probability theory including Prisoner’s Dilema, Gambler’s Ruin and the Birthday Problem as well as lotteries, card games and random walks. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 135 Sounding Number: Music & Math (3 credits)
Music has many connections to mathematics. The ancient Greeks discovered that chords with pleasing sounds are related to simple ratios of integers. Other connections include equations describing the sounds of musical instruments, the mathematics of digital recording, the use of symmetry in composition, and the systematic exploration of patterns by African and Indian drummers. This course introduces basic concepts in trigonometry, set and group theory, and combinatorics and investigates their applications in the analysis, recording, and composition of music. Along the way, we consider the role of creativity in mathematics and the ways in which mathematics has inspired musicians. The course will involve hands-on laboratory work in audio engineering and music composition. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 136 Mathematics & Visual Arts (3 credits)
This course will explore connections between mathematics and the arts. Mathematics - itself an aesthetic endeavor - has made fundamental contributions to art history and continues to be a source of inspiration to many contemporary artists. We will begin with the study of mathematical perspective, and of optical devices, such as the camera obscura, which assisted artists and illustrators in depicting the world around them. At the beginning of the twentieth century, artists turned to non-Euclidean geometries and higher dimensional spaces for inspiration and to break free from the constraints of linear perspective. We will take some time to understand these geometries as well. The remaining topics will be chosen according to the interests and talents of the students in the course. Possibilities include fractals, math and music, math and architecture, and advanced perspective topics. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 137 Ethnomathematics (3 credits)
This course aims to strengthen and expand students’ understanding of fundamental mathematics – number systems, arithmetic, geometry, combinatorics, and mathematical reasoning – through study of the mathematics of world cultures. In addition, the course is designed to explore the connections between mathematics and the arts, to engage students’ imagination and creativity, and to increase the diversity of offerings in the mathematics classroom. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate
MAT 138 Symmetry (3 credits)
"Symmetry" is a ubiquitous concept in modern mathematics and science. Certain shapes and images seem more symmetric than others, yet is not immediately obvious how to best measure and understand an object's symmetry. In fact, the quest to more precisely quantify the concept of symmetry has been a driving force in science and mathematics, and will form the central theme of this course. This course fulfills the GEP Mathematics Requirement.
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 139 Mathematics, Culture & Society (3 credits)
The course considers the relationship of mathematics to other areas of human thought and culture and to the society in which it develops. Several periods in the history of mathematics will be considered, from the beginnings of mathematics to modern times. This course fulfills the GEP Mathematics Requirement. Students may NOT receive credit for both this course and for MAT 150 — Art, Poetry, Mathematics and Society (First Year Seminar).
Prerequisites: Math Placement with a score of BEAUT
Restrictions: Students cannot enroll who have a major in Actuarial Science, Biology, Chemistry, Chemical Biology, Environmental Science, Information Technology, Mathematics or Physics.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 150 First Year Seminar (3 credits)
This course covers the fundamentals of differential calculus (limit, continuity, and the derivative) and introduces the definite integral and its connection to the antiderivative. In addition, we discuss the historical roots of calculus and the challenges faced in establishing a rigorous logical foundation for its concepts. This course fulfills the GEP Mathematics Requirement. Prerequisite: MAT 120 or adequate performance on calculus readiness test. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 119, MAT 123 or MAT 151
Prerequisites: MAT 120 or Math 155 Placement with a score of 1 or Math 161 Placement with a score of 1 or Math Placement with a score of MA155
Attributes: Math Beauty (New GEP), Undergraduate

MAT 156 Applied Calculus II (3 credits)
This course covers the definite integral, techniques of integration, solving differential equations and the calculus of several variables. The emphasis is on applications to the Business and Social Sciences. Prerequisite: MAT 155 or MAT 161. This course does not fulfill the GEP Mathematics requirement. Students may NOT receive credit for both this course and for MAT 162.
Prerequisites: (MAT 1251 or MAT 1255 or MAT 155 or MAT 161 or MAT 1351)
Attributes: Undergraduate

MAT 151 Calculus I (4 credits)
Limits; slopes, rates of change and the derivative; techniques of differentiation; implicit differentiation; derivatives of transcendental functions; related rates; linear approximation; L'Hospital’s Rule; the Mean Value Theorem; applications of differentiation (including curve sketching and optimization); introduction to integration; the Fundamental Theorem of Calculus. This course fulfills the GEP Mathematics Requirement. Prerequisite: MAT 120 or adequate performance on calculus readiness test. Students may NOT receive credit for both this course and for any of the following courses: MAT 104 (formerly MAT 106), MAT 119, MAT 123 or MAT 155.
Prerequisites: MAT 120 or Math 161 Placement with a score of 1 or Math Placement with a score of MA161
Attributes: Math Beauty (New GEP), Undergraduate

MAT 152 Calculus II (4 credits)
Techniques of integration; applications of integration; improper integrals; exponential growth; infinite sequences and series; power series and Taylor series. Prerequisite: a grade of C or better in MAT 161 or permission of department. This course fulfills the GEP Mathematics Requirement. Students may NOT receive credit for both this course and for MAT 156.
Prerequisites: MAT 161 or Math 162 Placement with a score of 1 or Math Placement with a score of MA162
Attributes: Math Beauty (New GEP), Undergraduate

MAT 180 Theory of Numbers (3 credits)
Division Algorithm; Mathematical induction; Euclidean algorithm; fundamental theorem of arithmetic; linear Diophantine equations; modular arithmetic; number theoretic functions; prime numbers; Fermat's last theorem; quadratic residues, primitive roots, Chinese Remainder theorem. This course fulfills the GEP Mathematics requirement but is at a more advanced level that courses in the MAT 130 - MAT 139 range.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 213 Calculus III (4 credits)
Vector geometry in R2 and R3; polar coordinates; introduction to the calculus of vector-valued functions (velocity, speed, acceleration, curvature, parametric equations); differentiation of functions of several variables (partial derivatives, the differential, chain rules, directional derivatives); applications of differentiation (linear approximation, optimization, the method of Lagrange multipliers); integrals of functions of several variables; applications of integration. Also, if time permits, cylindrical and spherical coordinates; some surface integrals; the Change of Variable theorem. This course fulfills the GEP Mathematics Requirement. Prerequisite: a grade of C or better in MAT 162 or permission of department chairperson.
Prerequisites: MAT 1361 or MAT 162
Attributes: Math Beauty (New GEP), Undergraduate

MAT 225 Fundamental Ideas of Math (3 credits)
An introduction to: (i) the basic ideas used throughout Mathematics—in particular sets, functions, relations, counting principles—and (ii) the fundamental activity of mathematics—proving theorems. Topics include: basic set theory and logic, functions and relations, permutations and combinations, combinatorial proofs, discrete probability, and the Principle of Inclusion-Exclusion. Corequisite: MAT 161. Students may NOT receive credit both for this course and for either of CSC 240 /MED 553.
Prerequisites: MAT 162 or MAT 1361
Attributes: Undergraduate
MAT 226 Introduction to Linear Algebra (4 credits)
Linear systems, vector spaces, dimension, linear transformations, matrices, inner product, orthogonality, characteristic polynomials, diagonalization, eigenvalues, and eigenvectors. Prerequisite: MAT 225 or permission of the chair of Mathematics.
Prerequisites: (MAT 1371 or MAT 1375) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 231 The Mathematics of Music (3 credits)
Music has many connections to mathematics. The ancient Greeks discovered that chords with a pleasing sound are related to simple ratios of integers. The mathematics of rhythm has also been studied for centuries—in fact, ancient Indian writers discovered the celebrated Fibonacci sequence in the rhythms of Sanskrit poetry. Other connections between math and music investigated in this course include the equations describing the sounds of musical instruments, the mathematics behind digital recording, the use of symmetry and group theory in composition, the exploration of patterns by African and Indian drummers, the application of chaos theory to modeling the behavior of melodies, and the representation of chords by exotic geometric objects called orbifolds. Along the way, we discuss the role of creativity in mathematics and the ways in which mathematics has inspired musicians. Prerequisite: MAT 162 and some musical training (ART 1511 or equivalent). Students with exceptional performance in Calculus I (or AP) and musical training will be admitted on a case-by-case basis as determined by the chair of Mathematics.
Prerequisites: (MAT 162 or MAT 1361) and (ART 151 or ART 1511)
Attributes: Math Beauty (New GEP), Undergraduate

MAT 232 Chaos, Fractals & Dynamic Syst (3 credits)
Introduction to dynamical systems: one dimensional dynamics; attracting, repelling, periodic and chaotic orbits; bifurcation; dynamics in the complex plane, Julia sets, the Mandelbrot set; two dimensional dynamics. Introduction to fractals: self-similarity, iterated function systems, fractal dimension. Prerequisite: MAT 162.
Prerequisites: (MAT 1261 or MAT 156 or MAT 162 or MAT 1361)
Attributes: Math Beauty (New GEP), Undergraduate

MAT 233 History of Mathematics (3 credits)
Development of mathematical ideas over 2500 years, beginning with Greek geometry and including Euclid, Archimedes, Newton, Euler, Gauss, and Poincare. Prerequisite: MAT 213 or permission of the chair of Mathematics.
Prerequisites: MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 238 Differential Equations (3 credits)
Solution of ordinary differential equations using analytic, numerical, and qualitative techniques. Modeling via differential equations, systems of differential equations. Laplace transforms; discrete dynamical systems. Use of a computer software package is required. Prerequisite: MAT 213 or equivalent.
Prerequisites: MAT 1371 or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 239 Problem Solving (3 credits)
The course is designed to involve students in an active way in the mathematical process by having them participate in the major activity of both pure and applied mathematics: the solving of problems. Problems will be chosen from many areas of mathematics, and an attempt will be made to develop general approaches to and general paradigms for problem solving. Prerequisite: MAT 225.
Prerequisites: MAT 1431 or MAT 180
Attributes: Math Beauty (New GEP), Undergraduate

MAT 240 Advanced Calculus (4 credits)
This course covers three main groups of topics. I) Calculus of functions from Rn to Rk: Differentials, Inverse Function Theorem, Implicit Function Theorem, Jacobian, change of variables. II) Vector calculus. Vector fields, line and surface integrals, Green’s Theorem, Stokes’s Theorem, the Divergence Theorem. III) Sequences and series of functions. Pointwise and uniform convergence; continuity, differentiation and integration of sequences and series; Fourier series; Taylor series for functions of several variables. Prerequisite: MAT 213 or equivalent.
Prerequisites: MAT 213 or MAT 1371
Attributes: Math Beauty (New GEP), Undergraduate

MAT 293 Mathematical Symmetry (3 credits)

MAT 311 Numerical Analy & Comp Tech (3 credits)
An introduction to numerical methods for solving a variety of problems. Included will be rootfinding, numerical integration and differentiation, polynomial approximation, systems of equations, ordinary differential equations, and discussion of convergence issues, error analysis and machine arithmetic. Prerequisite: MAT 213. Concurrent enrollment in or prior completion of MAT 226 would be beneficial.
Prerequisites: (MAT 1371 or MAT 1391) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 313 Mathematical Optimization (3 credits)
The course covers basic ideas in optimization beginning with linear programming, the simplex method and duality and finishes with non-linear optimization and algorithms and conditions leading to a solution of non-linear problems. Prerequisite: MAT 226 or permission of the chair of Mathematics.
Prerequisites: MAT 1391 or MAT 226 or MAT 1461
Attributes: Math Beauty (New GEP), Undergraduate

MAT 316 Operations Research (3 credits)
The course will cover some of the basic models and techniques used in operations research. Topics include: linear programming, the simplex method, duality, network problems, transportation problems, and time permitting, game theory. Prerequisite: MAT 226 or permission of the chair of Mathematics.
Prerequisites: MAT 1461 or MAT 226 or MAT 1391
Attributes: Math Beauty (New GEP), Undergraduate

MAT 321 Probability (3 credits)
The first part of a two-semester sequence, this course includes discrete probability and counting methods, conditional probability and independence , Bayes’ Theorem, discrete and continuous random variables, expectation, variance, moment-generating functions, special probability distributions, joint distributions, marginal and conditional distributions, independent random variables, covariance and correlation, conditional expectations, and distributions of functions of random variables. Co-requisite: MAT 213.
Prerequisites: (MAT 1371 or MAT 1391) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 322 Mathematical Statistics (3 credits)
Random samples, statistics and sampling distributions, the Central Limit Theorem, point and interval estimation, hypothesis testing (one-sample and two-sample tests), analysis of variance, correlation, regression analysis and Chi Square goodness of fit and other nonparametric methods. Applications. Data analysis projects will be assigned.
Prerequisite: MAT 321
Prerequisites: MAT 2211 or MAT 321
Attributes: Undergraduate
MAT 332 Geometry (3 credits)
An axiomatic treatment of the foundations of geometry. Axioms of incidence, order, congruence, Bol'ya-Lobachevsky parallel axiom, angle of parallelism. A rigorous development of selected topics in non-Euclidean geometry. Prerequisite: MAT 225.
Prerequisites: MAT 225 or MAT 1591
Attributes: Math Beauty (New GEP), Undergraduate

MAT 334 Combinatorics & Graph Theory (3 credits)
Introduction to combinatorics and graph theory and to methods by which each theory is applied to the other. Topics include basic counting formulas; generating functions; the principle of inclusion-exclusion; counting labeled trees (Cayley's Theorem, Kirchhoff's Theorem, Prüfer's Theorem); directed Euler circuits; Pólya-deBruijn theory; Möbius inversion. Prerequisite: MAT 162.
Prerequisites: MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 336 Logic & Foundations (3 credits)
Cantorian set theory and the crisis in foundations (Cantor's paradox, Russell's paradox); the intuitionist challenge and the formalist response; formal logic and meta mathematics (Propositional Calculus, Predicate Calculus, formal number theory); Gödel's incompleteness theorems of 1931. Prerequisite: MAT 162.
Prerequisites: MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 403 Abstract Algebra (3 credits)
Group theory, including finite groups, subgroups, cyclic groups, permutation groups, group isomorphisms, and cosets; introduction to rings and fields, including integral domains, polynomial rings, unique factorization domains and Euclidean domains. Prerequisite: MAT 225.
Prerequisites: (MAT 1431 or MAT 1571) or MAT 180
Attributes: Undergraduate

MAT 404 Abstract Algebra II (3 credits)
A more in-depth treatment of rings and fields including integral domains, fields, field extensions, homomorphisms, and the insolvability of the quintic by radicals. Galois theory. Prerequisite: MAT 403.
Prerequisites: MAT 2031 or MAT 403
Attributes: Math Beauty (New GEP), Undergraduate

MAT 409 Real Analysis (3 credits)
Elementary topology of Euclidean spaces, including open, closed and compact sets; convergence of sequences and series; least upper bound axiom and its equivalents; sequences of functions, pointwise and uniform convergence, continuity, differentiation and integration of sequences. Topics which overlap MAT 240 will be covered in more depth in this course. Prerequisite: MAT 213 and 225.
Prerequisites: MAT 1371 or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 410 Complex Analysis (3 credits)
Analytic functions; complex integration; singularities. Prerequisite: MAT 240, MAT 409, or permission of the chair of Mathematics.
Prerequisites: MAT 2091 or MAT 409
Attributes: Math Beauty (New GEP), Undergraduate

MAT 415 Differential Geometry (3 credits)
Tangent vectors and directional derivatives; mappings and differential forms on E3; Frenet fields; covariant derivatives; frame fields; Cartan structural equations; orientation; Euclidean geometry; surfaces in R3; calculus on surfaces; integration of forms; shape operators; normal and Gaussian curvature; geometry of surfaces. Prerequisite: MAT 409.
Prerequisites: (MAT 1371 or MAT 1391) or MAT 213
Attributes: Math Beauty (New GEP), Undergraduate

MAT 418 Topology of Point Sets (3 credits)
Open and closed sets, closure and interior, continuity, metric spaces, connectivity, compactness; the Heine-Borel and Bolzano-Weierstrass Theorems. The Classification of Surfaces may also be covered. Prerequisite: MAT 409 or equivalent.
Prerequisites: MAT 409 or MAT 2091 or MAT 2093
Attributes: Undergraduate

MAT 423 Applied Statistical Methods (3 credits)
Statistical models, design and analysis of experiments, regression, Monte Carlo methods, and other advanced topics in statistics. Prerequisites: MAT 1261 or MAT 156 or MAT 162 or MAT 1361
Attributes: Math Beauty (New GEP), Undergraduate

MAT 491 Mathematics Internship (3 credits)
The course goals are: to gain first-hand experience of the daily activities of professionals in mathematics and related fields, to verify an interest in a particular area of mathematics, to develop and hone skills required for mathematical professions, to establish contacts outside the academic community who will facilitate a career in mathematics. An internship journal and an academic paper are also required.

MAT 492 Mathematics Internship II (3 credits)
The course goals are: to gain first-hand experience of the daily activities of professionals in mathematics and related fields, to verify an interest in a particular area of mathematics, to develop and hone skills required for mathematical professions, to establish contacts outside the academic community who will facilitate a career in mathematics. An internship journal and an academic paper are also required.

MAT 493 Independent Research (3 credits)
Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research (6 credits) Must be elected in junior year to allow adequate research time. Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register. Honors Students must complete this sequence.
Attributes: Math Beauty (New GEP), Undergraduate

MAT 494 Independent Research (3 credits)
Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research (6 credits) Must be elected in junior year to allow adequate research time. Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register. Honors Students must complete this sequence.
Attributes: Math Beauty (New GEP), Undergraduate
MODERN AND CLASSICAL CULTURES (MCC)

MCC 150 Special Topics in MCC (3 credits)
The focus of this course varies by section. Please refer to the course text to determine the focus of a particular section.
Attributes: First-Year Seminar, Latin American Studies Course, Undergraduate

MCC 360 Space & Place in Col Latin Am (3 credits)
The overarching goal of this course is that students deepen their understanding of Spanish American cultures – and cultures in general – by relating physical space, places and their representations to the diverse human values, experiences and worldviews that shaped them during the colonial period. Examples include sacred and mythical places, places of labor such as silver mines and sugar mills, urban design and plazas, Jesuit reductions (missions), as well as the representation of place through toponyms and maps. We consider multiple perspectives (i.e. Amerindian, Spanish and Afro-American) on the same space or place, and we engage in reflective discussion about the diverse value systems, beliefs, social dynamics and physical conditions that shaped such places over time. These analyses lead to discussions about how colonial legacies and colonial places have been experienced in recent decades through visual art, film and especially tourism. In these discussions we contemplate how we, personally, want to see the colonial past and what this helps us to understand about ourselves. This course is taught in English and all required materials are available in English or with English sub-titles. This course counts toward the minor in Latin American Studies. No pre-requisite though ‘Forging the Modern World’ and ENG 102 are recommended.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: GEP Art/Literature, Honors Course, Latin American Studies Course, Non-Western Studies (GEP)
MUSIC, THEATRE & FILM (MTF)

MTF 141 Guitar Class for Beginners (1 credit)
This class is intended as an introduction to acoustic and classical guitar techniques employed in contemporary guitar styles. The focus of this course will involve learning basic open chords, learning to read and play music on the guitar, bar chords, and basic fingerstyle technique. The course will also cover the fundamental music theory necessary for playing songs and basic fret board knowledge.

MTF 142 History of Rock and Pop (3 credits)
This course examines the history of popular music in the English-speaking world from the mid twentieth century to the present day. Genres examined include swing, doo-wop, rock and roll, soul, funk, disco, heavy metal, and punk.
Attributes: GEP Art/Literature

MTF 143 Music in Film (3 credits)
This course focuses on the ways music functions in narrative film. In the first weeks, students will develop analytical skills to describe the ways music can enhance, comment on, undermine, and direct a viewer’s interpretation. The remainder of the semester will follow a generally chronological structure, focusing on influential composers and directors, theoretical writings, and the wide variety of twentieth-century and twenty-first musical styles used in soundtracks. Class discussions and writing assignments will guide students in the study of the interlocking histories of music, film, politics, and culture. This course is designed for all students. Previous musical training is not required.
Attributes: GEP Art/Literature

MTF 150 First Year Seminar (3 credits)

MTF 151 Music Fundamentals (3 credits)
A study of elements of music including notation, rhythm, scales, intervals, melody, harmony, and form. To facilitate reading skills, class exercises in ear training are included. Previous musical training is unnecessary.
Attributes: GEP Art/Literature

MTF 152 Music Appreciation (3 credits)
This course is a survey of music from the Middle Ages to the Twentieth Century. Emphasis is placed on the elements of music, styles of major historical periods, and the lives and works of representative composers. Restrictions: Enrollment is limited to PLS/HDC or Undergraduate Day Division level students.

MTF 153 Vocal Performance (1 credit)
In this course you will learn to professionally train your singing voice through breath management, phrasing, diction, performance practice, and accurate musicianship. Students will receive one individual sixty minute lesson each week. This course may be repeated for credit. Prerequisite: Students should be able to read music. An audition and permission of the instructor is required.

MTF 154 Piano Performance (1 credit)
Students will receive one individual piano lesson each week, between 30 and 60 minutes in length. This course may be repeated for credit. Prerequisite: Students must be able to read music. An audition and permission of the instructor are required.

MTF 155 Instrumental Performance (1 credit)
Students will receive one individual instrumental lesson each week, between 30 and 60 minutes in length. This course may be repeated for credit. Prerequisite: Students must be able to read music. An audition and permission of the instructor are required.

MTF 156 Intro to World Music (3 credits)
This course introduces students to the traditional music of cultures around the world, including music of India, Indonesia, Latin America, Africa, and the Middle East. Students will learn to listen critically and to articulate their observations about the music of numerous regions and societies.
Attributes: Diversity Course (New GEP), Undergraduate

MTF 157 Western Music Hist: MidAge-1750 (3 credits)
This course considers the history of Western music from the Middle Ages to the end of the Baroque Period, focusing on the relationship between historical, social, and cultural currents and the development of music. Students will acquire a framework for thinking critically about music and articulating their observations, and they will learn to recognize the musical characteristics of important styles, genres, and historical periods.
Attributes: GEP Art/Literature, Writing Intensive Course- GEP

MTF 158 Western Music: 1750 to Present (3 credits)
This course considers the history of Western Music from the second half of the eighteenth century to the present day, focusing on the relationship between historical, social, and cultural currents and the development of music. Students will acquire a framework for thinking critically about music and articulating their observations and learn to recognize the musical characteristics of important styles, genres, and historical periods. This course welcomes students who have not taken MTF 157, Western Music History: The Middle Ages to 1750.
Attributes: GEP Art/Literature

MTF 159 Contemporary Music (3 credits)
An investigation of the chief developments in the concept and style of music which have occurred in the Twentieth century.

MTF 161 Introduction to Theatre (3 credits)
This course examines major traditional and modern plays with emphasis upon the styles and conventions which govern the relationship between drama and its audience; relevance of these styles to the work of actors, directors, and designers.
Attributes: GEP Art/Literature

MTF 162 History of Broadway Musical (3 credits)
This course provides a basic overview of the historical developments of musical theatre as an uniquely American art form, and the study of the structures and genres from early Twentieth Century influences through the “Golden Age” of musicals to contemporary musical theatre.
Attributes: Undergraduate

MTF 170 Special Topics & Indep Study (3 credits)
Student majors may pursue investigation of topics beyond those listed in the catalog. Major GPA of 3.0 required, as is prior approval by the chair and faculty mentor. Course number dependent on relevant level of coursework.
MTF 151 Music Theory I (3 credits)
This course introduces the student to the practice of tonal harmony. Students will learn the principles of chord construction and voice leading, examine the ways in which chords function in tonal music, and be able to compose effective progressions in four-part vocal style. Prerequisite: MTF 251 Music Theory I or permission of the instructor. Students must demonstrate to the instructor a familiarity with treble and bass clef notation and basic rhythmic notation.
Prerequisites: MTF 251
Attributes: GEP Art/Literature

MTF 252 Music Composition I (3 credits)
This course introduces the student to the practice of tonal harmony. Students will learn the principles of chord construction and voice leading, examine the ways in which chords function in tonal music, and be able to compose effective progressions in four-part vocal style. Prerequisite: MTF 251 Music Theory I or permission of the instructor. Students must demonstrate to the instructor a familiarity with treble and bass clef notation and basic rhythmic notation.
Prerequisites: MTF 251
Attributes: GEP Art/Literature

MTF 253 Choral Music (3 credits)
A study and performance of choral music with emphasis on vocal development and performing technique. Prior choral experience unnecessary. Participation in concerts and a term paper required. Prerequisite: Participation for one semester in University Singers prior to enrollment.

MTF 254 Jazz in Performance (3 credits)
A study and performance of the repertoire of the contemporary jazz ensemble with emphasis on the history of contemporary "BIG BAND" jazz and the mastery of its performance technique and stylistic interpretation. Participation in the fall and spring concert series and several short papers required. Prerequisite: Participation in the Jazz Band in the fall semester prior to enrollment.

MTF 255 Ensemble Performance (1 credit)
MTF 257 American Music (3 credits)
This course examines music produced in the United States from the early Colonial period to the present day. Students will consider a variety of styles, with an emphasis on folk, art, and African-American music.
Attributes: GEP Art/Literature

MTF 258 Major Composers (3 credits)
Major composers courses are semester-long studies of a single composer and his or her contributions to music history. Students read a biography of the composer and study several of his or her pieces in detail. Examples of courses in the Major Composers series include Ludwig van Beethoven and Johann Sebastian Bach.
Attributes: GEP Art/Literature

MTF 261 Theatre Performance Practicum (3 credits)
Rehearsal and performance of a campus theatre production (produced by SJU Theatre Company and directed by a faculty director) with the student in the role of actor or stage manager. Comprehensive study of both the rehearsal and performance processes. In order to register for the course, the production must be the third campus production in which the student has served as cast member or stage manager. Departmental approval is required in order for the student to register for the course.
Attributes: GEP Art/Literature, Undergraduate

MTF 262 Production Practicum (3 credits)
A practical application of theatre production studies where the student works as a stage manager or crew chief on a production produced by the Department of Music, Theatre & Film under the guidance of a faculty Director.
Attributes: Undergraduate

MTF 263 Acting I (3 credits)
Study of the fundamentals of the acting process based upon Stanislavsky's system of acting. Course culminates in scene study preparation and performance of contemporary scenes.
Attributes: GEP Art/Literature

MTF 264 Acting II (3 credits)
Exploration of various methods and styles of acting; further development of techniques of voice, movement, characterization, script analysis, emotion memory, comic timing, and monologues. Extensive laboratory work in scene performance. Prerequisite: MTF 263 Acting I.
Prerequisites: MTF 263
Attributes: GEP Art/Literature
MTF 265 Directing for the Stage (3 credits)
Study of the basic techniques of play direction, including composition, pictureurization, play selection, auditions and casting, blocking and staging, including historic perspectives on notable directors. This course culminates in student-directed scenes from modern and contemporary plays.
Attributes: GEP Art/Literature

MTF 266 Theatre History (3 credits)
This course examines the history of theatre from the Ancient Greek period through contemporary theatrical forms of the 21st century, focusing on major periods of theatre development including the Italian Renaissance, the Elizabethan age, Restoration Drama as well as the modern European and American theatre movements. Prerequisite: MTF 161 Introduction to Theatre.
Attributes: Undergraduate

MTF 267 Theater Design (3 credits)
An introduction to theatrical production design. Instruction on the development of a basic ground plan and a basic light plot. Lighting and scenic design will be discussed and demonstrated. Prerequisite: MTF 161 Introduction To Theatre.
Attributes: GEP Art/Literature

MTF 268 Musical Theater Performance (3 credits)
Practice in performance techniques used in musical theatre auditions as well as practice in scene study from the musical theatre repertoire.
Attributes: GEP Art/Literature

MTF 269 Musical Theatre Dance Styles (3 credits)
A performance/studio course in dance in which a variety of basic technique in musical theatre dance styles are examined including basic jazz as well as stylistic interpretations of select prominent music theatre choreographers (Jerome Robbins, Bob Fosse, Michael Bennett, etc.). Prerequisites: MTF 268
Attributes: GEP Art/Literature

MTF 270 Special Topics & Indep Study (3 credits)
Student majors may pursue investigation of topics beyond those listed in the catalog. Major GPA of 3.0 required, as is prior approval by the chair and faculty mentor. Course number dependent on relevant level of coursework.

MTF 281 Producing & Business of Film (3 credits)
This hands-on course addresses the inner workings of creative producing: business structures, project origination, building a team, acquiring production resources, budgeting and scheduling, managing day-to-day production and incorporating marketing tools. Additionally, the course will address how different business models may affect films’ content, style, themes and inclusiveness. Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: GEP Art/Literature

MTF 282 Screenwriting I (3 credits)
An intensive workshop in writing for the screen, focusing primarily on the short form. Through the study of character and conflict, structure and setting, and rudimentary rehearsal and performance of draft scene-work, students will develop their own short pieces, culminating in a revised script and a visualized shooting plan ready to move into production.
Attributes: GEP Art/Literature, Writing Intensive Course- GEP

MTF 283 Screenwriting for TV and Web (3 credits)
Building on the skills developed in Screenwriting I (MTF 282), each student will first develop his or her own series concept, show bible, and pilot. Students will then work in groups to script episodes for selected shows. Top work will be selected for production in MTF 286 Episodic TV/Web Series Production. Prerequisite: MTF 282 Screenwriting I – The Short or ENG 344. Prerequisites: MTF 282
Attributes: GEP Art/Literature, Undergraduate, Writing Intensive Course- GEP

MTF 284 Digital Filmmaking (3 credits)
An introductory creative film production workshop that focuses upon visual storytelling, camera operation, digital editing and sound. Students will develop their personal creativity as they complete film projects in narrative and documentary modes, incorporating elements and techniques from music and theatre. Students will also view relevant selections from historical and contemporary films. Restrictions: Enrollment is limited to students with a major, minor, or concentration in Film Studies, Music, Theatre Film or Theatre Studies. Enrollment is limited to Undergraduate Day Division level students.
Attributes: GEP Art/Literature

MTF 285 Short Film Production (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284), this course is an intermediate-level collaborative workshop in producing the short film. There is particular emphasis upon theoretical and technical lighting and camera operation, shot structure, and production design. Working in small groups, students will rotate crew positions on various projects, while still retaining significant creative input into each work. Prerequisite: MTF 284 Digital Filmmaking.
Prerequisites: MTF 284
Attributes: GEP Art/Literature

MTF 286 Episodic TV/Web Series Product (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284) and working from a show developed in Writing for Television (MTF 283), this course is a collaborative workshop in producing an episodic series. Students will rotate crew positions on each episode of the show, producing installments suitable for campus and public broadcast.
Prerequisites: MTF 284

MTF 287 Commercial TV/Web Series Prod (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284), this course is a collaborative workshop in the production of commercial and industrial projects. In small groups, students will work to produce a set of advertisements, PSAs and other client-based media. Prerequisite: MTF 284 Digital Filmmaking
Attributes: Undergraduate

MTF 291 American Film (3 credits)
Taking up a significant genre, era, or issue in American Filmmaking, this course is a selected study of the interplay of technology, commerce, art, idea and audience – and specifically how American cinema has reflected the broader cultural milieu. Examples of course focus include Classic Hollywood Cinema, The Silent Era, Musicals, The 1970s, Westerns, American Indies and the War Film. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations.
Attributes: GEP Art/Literature
MTF 292 European Cinemas (3 credits)
A selected study of cinematic movements and filmmakers from European nations, specifically in how they both reflect and exemplify the culture in which they are produced. Possible areas of study include German Expressionism, Russian Formalism, the French New Wave, Italian Neo-Realism, New German Cinema and British Social Realism. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations.
Attributes: GEP Art/Literature

MTF 292L Screening Lab (0 credits)

MTF 293 Asian & Pacific Cinemas (3 credits)
A selected study of cinematic movements and filmmakers from Asia and the Pacific Rim, specifically in how they both reflect and exemplify the culture in which they are produced. Possible areas of study include the cinemas of Japan, China, Hong Kong, India and Australia. MTF 251, Music Theory I, recommended. May be repeated for credit under rotating iterations.
Attributes: GEP Art/Literature

MTF 294 Global Cinemas (3 credits)
A selected study of emerging cinematic movements and filmmakers from around the globe, that have pushed beyond the boundaries of established cinematic norms and innovated what film can be in its relation to culture and society. Possible areas of study include the cinemas of the Middle East, Africa and Latin America. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations.
Attributes: Diversity Course (New GEP), GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

MTF 295 Major Figures (3 credits)
A critical and analytical examination of the work of selected directors and producers who have had a profound impact on the evolution of contemporary cinema. Possible figures of study include Chaplin, Welles, Hitchcock, Ford, Truffaut, Kurosawa, Hawks, Kubrick, Spielberg and Scorsese. No Prerequisites, MTF 191, Introduction to Film recommended. May be repeated for credit under rotating iterations.
Attributes: GEP Art/Literature

MTF 295L Screening Lab (0 credits)

MTF 296 Documentary Cinema (3 credits)
A critical and analytical examination of the work of graduate students who produce and present their own documentary films at SJU and who have the permission of the instructor to enroll.

MTF 297 Advanced Musical Composition (3 credits)
This course serves as a continuation of MTF 251 Music Theory I. Topics include diatonic harmony, formal design, and an introduction to chromatic harmony. Students will further develop their skills in both written theory and ear-training. Prerequisites: MTF 191 Music Theory I.
Attributes: GEP Art/Literature

MTF 351 Music Theory II (3 credits)
This course serves as a continuation of MTF 251 Music Theory I. Topics include diatonic harmony, formal design, and an introduction to chromatic harmony. Students will further develop their skills in both written theory and ear-training. Prerequisites: MTF 251
Attributes: GEP Art/Literature

MTF 352 Music Composition II (3 credits)

MTF 353 Advanced Vocal Performance (3 credits)
In this course, advanced vocalists take weekly lessons with a member of the studio faculty, learning four-six solo works from three different historical periods, including the twentieth or twenty-first century. They also participate in University Singers. In addition to their lessons, individual practice, and choir, students are required to give an outreach performance in a community venue, such as a nursing home or hospital. MTF 359 is open only to advanced singers who have already completed three semesters of studio lessons at SJU and who have the permission of the instructor to enroll.
Attributes: GEP Art/Literature

MTF 354 Advanced Piano Performance (3 credits)
In this course, which is open to advanced pianists who have already completed three semesters of lessons in a piano studio at SJU, students dedicate themselves to concentrated piano study. They study works from at least three historical periods, which they present formally at their end-of-semester jury, and take one or more private lessons each week, practicing an average of fourteen hours per week. Students perform in the studio recital at the end of the semester and give one off-campus, outreach performance in a hospital, nursing home, local school, or similar community venue. Prerequisite: enrollment in MTF 154 Piano Performance for (3) semesters and permission of the instructor are required.
Attributes: GEP Art/Literature

MTF 355 Advanced Vocal Performance (3 credits)
In this course, which is open to advanced pianists who have already completed three semesters of lessons in a piano studio at SJU, students dedicate themselves to concentrated piano study. They study works from at least three historical periods, which they present formally at their end-of-semester jury, and take one or more private lessons each week, practicing an average of fourteen hours per week. Students perform in the studio recital at the end of the semester and give one off-campus, outreach performance in a hospital, nursing home, local school, or similar community venue. Prerequisite: enrollment in MTF 154 Piano Performance for (3) semesters and permission of the instructor are required.
Attributes: GEP Art/Literature

MTF 358 Advanced Musical Composition (3 credits)

MTF 359 Adv Instrumental Performance (3 credits)
In this course, advanced instrumentalists take weekly lessons with a member of the studio faculty, learning three solo works from three different historical periods, including the twentieth or twenty-first century. They also participate in a collaborative ensemble with another student musician. In addition to their lessons and individual practice, students are required to give an outreach performance in a community venue, such as a nursing home or hospital. MTF 359 is open only to advanced instrumentalists who have already completed three semesters of studio lessons at SJU and who have the permission of the instructor to enroll.
MTF 363 Styles of Acting (3 credits)
An advanced acting course that explores scene study performance of complex scenes including classic works (Shakespeare, Moliere) and plays from the modern period (August Strindberg, Tennessee Williams and Sam Shepard). Prerequisite: Acting II (MTF 264) or permission of the instructor.
Attributes: GEP Art/Literature

MTF 370 Special Topics (3 credits)
Special Topics courses are upper-level classes on a variety of subjects in Music History. These courses synthesize score analysis, close reading of musicological literature, critical listening, and discussion in a stimulating seminar environment. Prerequisites: MTF 251 Music Theory I, MTF 157 Music History: The Middle Ages to 1750 and MTF 158 Music History: 1750 to the Present Day.
Prerequisites: MTF 157 and MTF 158 and MTF 151 and MTF 251 Attributes: GEP Art/Literature, Writing Intensive Course- GEP

MTF 381 Episodic TV/Web Series Prod (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284) and working from a show developed in Writing for Television (MTF 283), this course is a collaborative workshop in producing an episodic series. Students will rotate crew positions on each episode of the show, producing installations suitable for campus and public broadcast.
Prerequisite: MTF 284 Digital Filmmaking.
Prerequisites: MTF 284
Attributes: Undergraduate

MTF 382 Screenwriting II (3 credits)
Building on the work of Screenwriting I (MTF 282), this course will focus on the development and composition of a feature film script. Students will both study the feature form in the work of established writers and complete a revised draft of their own feature script. May be taken as an Independent Study. Prerequisite: MTF 282, Screenwriting I-The Short.
Prerequisites: MTF 282
Attributes: GEP Art/Literature

MTF 383 Directing for Film/TV (3 credits)
An advanced workshop in the practices and techniques of screen directing. Students will explore script breakdown, visualization and storyboarding, casting and working with actors, blocking and set-direction through the analysis, direction and production of class projects. Course may be taken as an Independent Study. Prerequisite: MTF 282 Screenwriting I – The Short and MTF 284 Digital Filmmaking.
Prerequisites: MTF 284 and MTF 282
Attributes: GEP Art/Literature

MTF 384 Advanced Lhtg, Camera, Design (3 credits)
An advanced workshop in shaping the aesthetics of the image. Considering the image as a confluence of both production design and cinematography, students will explore how what is in front of the camera creates meaning as much as how it is lit and captured. Alongside the theoretical and technical skill of lighting and camera operation, students will perform script analysis for aesthetic direction and design, as well as working beyond illumination toward the art of cinematography.
Prerequisite: MTF 284 - Digital Filmmaking.
Prerequisites: MTF 284 or ART 173
Attributes: GEP Art/Literature

MTF 385 Sound Design (3 credits)
An advanced workshop in the skills of film sound recording, editing and mixing. This course examines the fundamentals of sound gear and technology, location and soundstage recording techniques, and the creation of film soundtracks, including dialogue editing, sound effects, automated dialogue replacement (ADR), music editing and mixing to picture. Prerequisite: MTF 284, Digital Filmmaking.
Prerequisites: MTF 284

MTF 386 Edit & Digital Post-Production (3 credits)
An advanced workshop in the necessary skills of post-production and the required workflow of moving a project toward delivery. Topics include advanced techniques in non-linear editing, the demands of various video formats, digital video effects, compositing, color correction and delivery across multiple platforms. Course may be taken as an Independent Study. Prerequisite: MTF 284, Digital Filmmaking.
Prerequisites: MTF 284
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Film Studies, Music, Theatre Film or Theatre Studies.
Attributes: GEP Art/Literature

MTF 387 Music Video Production (3 credits)
Building on the skills developed in Digital Filmmaking (MTF 284), this course is a collaborative workshop in the production of original music videos. Following production of “demo” videos, students will pitch video concepts to actual musicians and work to produce videos suitable for public broadcast.
Prerequisites: MTF 284

MTF 388 Documentary Workshop (3 credits)
An advanced workshop in the planning and production of documentary film. Students will conceive and execute a project of their own design while exploring such issues as collaborative design and production, cross-cultural investigation, documentary ethics and empowerment, and community and individual representation. Prerequisite: MTF 284, Digital Filmmaking.
Attributes: GEP Art/Literature

MTF 389 Animation Workshop (3 credits)
An advanced workshop in various techniques of 2D and 3D animation. Students will conceive and execute a project of their own design using methods ranging from traditional cell animation, to stop-motion, rotoscope, clay and the digital realm.
Prerequisites: MTF 284

MTF 391 Film Theory & Criticism (3 credits)
An advanced course in the study of the critical trends and theoretical positions that have influenced, enlightened and framed the creation and critique of cinema throughout its first century. Prerequisite: MTF 191, Introduction to Film.
Prerequisites: (MTF 191)

MTF 392 Special Topics in Film (3 credits)
A study of film/tv in either production or studies beyond those listed in the catalog. Film& Theatre major or minor, or permission of instructor required.
MTF 393 Prof. Film Production Workshop (3 credits)
A participatory workshop in the production of a professional media project. Projects will be selected by merit or university need, produced and directed by the instructor, and funded through the department and university. Students will have the opportunity to work on a live set and participate according to their ambition, ability and experience. May be taken as an Independent Study.
Prerequisites: MTF 282 or MTF 284 or MTF 181
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Film Studies, Music, Theatre Film or Theatre Studies.
Attributes: GEP Art/Literature

MTF 470 Special Topics & Indep Study (3 credits)
Student majors may pursue investigation of topics beyond those listed in the catalog. Major GPA of 3.0 required, as is prior approval by the chair and faculty mentor. Course number dependent on relevant level of coursework.

MTF 491 Internship (3 credits)
Junior and Senior MTF majors may broaden their perspective by completing an approved internship in Music, Theatre, or Film/TV. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.
Attributes: GEP Art/Literature

MTF 492 Internship in Theatre (3 credits)
Junior and Senior MTF majors may broaden their perspective by completing an approved internship in Music, Theatre, or Film/TV. Students are expected to spend six to eight hours per week on site, and to maintain a weekly journal of their experiences and to secure a report by their immediate supervisor at mid semester and upon completion of the work. Prior approval by the chair is required.

MTF 493 Independent Research (3 credits)
Students pursuing advanced independent projects, especially those in connection with departmental or university honors, may register for these courses under the direct mentorship of department faculty. Prior approval of both faculty mentor and chair required.
Attributes: GEP Art/Literature

MTF 495 Senior Project I (3 credits)
A student majoring in either Music or Theatre & Film must execute a supervised senior project with acts as a capstone experience on their work in the department. Working closely with their faculty mentor, the student will prepare a major piece of creative or critical work (composition, performance, film, screenplay, or thesis) inclusive of a public presentation in an appropriate venue. Depending on the scope and nature of the project, students will complete the work in either one or two semesters decided in consultation with the faculty mentor and with permission of the chair.
Attributes: Undergraduate

MTF 496 Senior Project II (3 credits)
A student majoring in either Music or Theatre & Film, must execute a supervised senior project which acts as a capstone experience on their work in the department. Working closely with their faculty mentor, the student will prepare a major piece of creative or critical work (composition, performance, film, screenplay, or thesis) inclusive of a public presentation in an appropriate venue. Depending on the scope and nature of the project, students will complete the work in either one or two semesters decided in consultation with the faculty mentor and with permission of the chair.
Attributes: GEP Art/Literature
NON-CREDIT COURSE (NON)

NON N001 Non-Credit: Crisis Management (1 credit)

NON N011 Non-Credit: Bracketology (1 credit)
NURSE ANESTHESIA (GRA)

GRA 500 Orient Study & Prac of Anesthe (3 credits)
GRA 510 Adv. Anat, Physlgy, & Pathph I (4 credits)
GRA 520 Adv. Anat, Physlgy, & Pathph 2 (4 credits)
GRA 530 Chemistry & Physics I (1 credit)
GRA 540 Chem & Phys Anesth II & III (2 credits)
GRA 560 Advanced Pharmacology II (3 credits)
GRA 570 Advanced Health Assessment (4 credits)
GRA 600 Adv Principles of Practice (4 credits)
GRA 710 Thesis Presentation (1 credit)
ORG DEVELOPMENT & LEADERSHIP (ODL)

ODL 200 Career & Personal Development (3 credits)
This course takes the student through a systematic and integrative process of examining eight research-supported "critical factors for success" as they apply to oneself and one's career. This course will be partially didactic, while being primarily small group oriented, experiential and self-reflective. No prerequisites.
Attributes: Undergraduate

ODL 300 Organizational Development (3 credits)
A behavioral science perspective on the causes and outcomes of individual and group behavior in organizations, and of the behavior of organizations. Topics will include motivation, attitudes, interpersonal processes, leadership, and macro-organizational behavior. Prerequisite: PSY 100 or permission of instructor.
Prerequisites: (PSY 1005 or PSY 1001 or PSY 100 or PSY 101 or PSY 1011)
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 310 Group & Team Dynamics (3 credits)
Almost all of our behavior takes place in the presence of other people. A number of small group practitioners and researchers have presented explanations for the why and how of individual behavior in group and team settings. Through the vehicle of the class as laboratory students will experientially examine a number of theories and concepts about individual behavior in group/team settings. Students through class discussions will learn to observe, understand, examine and influence team and group development. Prerequisite: PSY 100 or permission of instructor.
Prerequisites: PSY 1005 or PSY 1001 or PSY 100 or PSY 101
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 320 Leadership & Development (3 credits)
In this course, participants will review and discuss current applicable social science literature in an attempt to answer some of the following questions: Who is a leader? What is leadership? Does effective leadership originate in a person or in a set of actions or behaviors? What do we know about developing leaders? How do the constraints of organizations inhibit or facilitate leadership development? What is your current leadership style? These and related questions will be examined by class members through lectures, case studies, self-assessments, and experiential activities. Prerequisite: PSY 100.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 330 Issues in Organizational (3 credits)
Selected issues in the field such as change agency, emotional intelligence, assessment, group and interpersonal processes, role-playing, selection, and placement will be discussed. Small groups, role-playing, and other experiential exercises will clarify important concepts in the field. Prerequisite: ODL 300.
Prerequisites: ODL 300
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 340 Coaching & Consulting (3 credits)
Roles, functions, tools and settings that define a consulting psychologist will be explored with an emphasis on the corporate world. Small groups, role-playing, videos and other experiential exercises will clarify and supplement readings, research and discussion. Prerequisites: PSY 100 or permission of the instructor.
Prerequisites: ODL 300 and ODL 320
Attributes: Undergraduate

ODL 350 Organizational Research (3 credits)
ODL 400 Cap Proj - Org Development (3 credits)
This course serves as a senior-level, research-based capstone in which organizational development students complete a research project typically developed in the Issues in Organizational Development course. Students will present and orally defend their research project to the Organizational Development and Leadership faculty. Prerequisite: ODL 330.
Prerequisites: PSY 2725 or ODL 330
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

ODL 600 Adult Learning: Theory & App (3 credits)
Course introduces students to adult education theory that focuses on how adults learn, application of adult education theory, skills required in the delivery of adult learning programs and an introduction to group process. Students have an opportunity to develop a professional learning theory and model. Students also discover their learning style and how style impacts their ability to use their theory and model. Use of feedback as a tool for learning allows students to realize how to improve their facilitation approach. ALT Concentration Requirement
Restrictions: Enrollment is limited to Graduate level students.

ODL 605 Performance Consulting (3 credits)
Course presents to the Organization Development and Leadership professional the practical tools necessary to measure and evaluate the effectiveness of learning and change programs. A specific technology is presented in a step-by-step approach, which links the collaborative consulting process with performance assessment. The course focuses on increasing students' ability to communicate and work with leaders in their organizations. ALT and OPD Concentration Requirement
Restrictions: Enrollment is limited to Graduate level students.

ODL 610 Adult Learning Methods (3 credits)
Major delivery methods and techniques that foster adult learning are discussed and demonstrated. Key elements are discussed that allow students to effectively facilitate adult learning methods that enhance individual and group learning. Emphasis is placed on student participation that fosters experiential learning. Impact of communication style on delivery effectiveness is also discussed. Some methods include case studies, role-plays, small groups, games, simulations, questioning techniques and icebreakers. ALT Concentration Requirement.
Prerequisite: ODL 600.
Prerequisites: ODL 600
Restrictions: Enrollment is limited to Graduate level students.
ODL 615 Learning Design & Implement (3 credits)
Major steps in creating and designing adult education learning programs are discussed. Students develop a program that demonstrates their understanding of the key components of instructional design. Specific topics include collaborative relationships with customers/management, needs assessment, analyzing data, writing learning objectives, cost effectiveness of programs, selecting and sequencing content, developing learning materials and constructing evaluative instruments. ALT Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.

ODL 618 e-learning Design (3 credits)
Technological innovations are increasingly being used in training and development programs. Through the lens of adult learning theory, students will assess online learning needs, develop online modules, create online communities of learning and become familiar with the language and best practices associated with eLearning program development. (Pre-requisite: ODL 600 or permission form Director). Prerequisites: ODL 600
Restrictions: Enrollment is limited to Graduate level students.

ODL 620 Psych Assessments (3 credits)
The psychological theories and practices underlying a wide variety of instruments used in assessing individual and group behavior in organizations will be examined. Issues and topics will include employee selection, performance, ability, attitude and development. Participants learn how to critically evaluate measures to answer organizational issues. OPD Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.

ODL 625 Psych of Executive Coaching (3 credits)
Executive Coaching has become a staple within many organizations. Executive Coaching is essentially a purposeful, relational intervention based in psychosocial concepts that leads to new and more complex level of functioning in one party. This course primarily assists the student in further development of their coaching skills and models while also examining coaching models, underlying constructs, skills and relevant coaching research. OPD Concentration Requirement, or ODL 680.
Restrictions: Enrollment is limited to Graduate level students.

ODL 630 Ldshp & Team Development (3 credits)
Course focuses on theories and practices required in leading and developing teams. Issues of leadership behavior, interpersonal relations, group roles and stages of development are examined in an experiential laboratory. OPD Concentration Requirement.
Restrictions: Enrollment is limited to Graduate level students.

ODL 635 Positive Org Psych& Scholarship (3 credits)
This course will provide you with a grounding in the theories and applications of positive organizational and organizational psychology. The core premise of this course is that leadership and personal scholarship excellence are fundamentally tied to creating/enabling organizational contexts that build human strengths as well as unlock the positive and generative dynamics of vibrant human communities. This course will help you to create, foster, and develop organizations where people learn to thrive and perform at their best.
Restrictions: Enrollment is limited to Graduate level students.

ODL 640 Talent Dev & Mgt in Modern Org (3 credits)
An overview course that focuses on the emerging trend of talent management with a specific focus on how talent development, learning and training aligns with organizational strategy. Topics include areas like coordinating individual’s goals and organizational goals, positioning the learning function, and positioning yourself for a leadership position through talent development.
Restrictions: Enrollment is limited to Graduate level students.

ODL 642 Facilitating Adult Learning (3 credits)
Adult learning, as it relates to training/organization development, involves a combination of facilitation and presentation skills. Course focuses on strategies that increase students’ ability to interact with individuals and groups in these areas. Impromptu and planned presentations are audio taped and videotaped for students to receive constructive feedback. Facilitation techniques include managing question-and-answer sessions, dealing with resistive participants, and getting stalled sessions/groups going.
Restrictions: Enrollment is limited to Graduate level students.

ODL 644 Ldshp Dev Methods for Training (3 credits)

ODL 645 Leadership Principles (3 credits)
An introductory experiential course that acquaints the learner with the role and activities of being a leader in an organization. Management styles as well as key practices such as planning, decision making, change, conflict, motivation, group dynamics and control are discussed through interactive exercises.
Restrictions: Enrollment is limited to Graduate level students.

ODL 646 Career Dev Theory & Practice (3 credits)
Course provides students with an experiential understanding of the process of career development. Through a primarily experiential approach, where students craft their own career vision, students have an opportunity to engage key concepts in the field of career development. In addition, topics such as assessment, gender, choice, interventions and career management are experienced and discussed.
Restrictions: Enrollment is limited to Graduate level students.

ODL 647 Appreciative Inquiry (3 credits)
Appreciative Inquiry (AI) is a methodology (and philosophy) for system intervention. Instead of examining what is wrong with a system and devising ways to fix it, AI discovers what is right with a system and engages stakeholders to amplify and build upon that positive core and spurs innovation. Prerequisite: ODL 605 for ALT and OPD Concentrations, No Pre requisites for ODL Concentration
Restrictions: Enrollment is limited to Graduate level students.

ODL 648 Conflict & Negotiation (3 credits)

ODL 650 Organizational Leadership (3 credits)
This course provides a foundation for leadership competencies and characteristics necessary for guiding organizations. Students will use self-awareness tools grounded emotional intelligence developed especially for organizational leaders. Students will deepen their understanding of traditional and contemporary leadership research, theories and practices; and, explore the organizational contexts where work, management and leadership happen. Students will examine the responsibility that comes with leadership through readings, lectures, small group interactions and an online self-development process. This foundational course provides the framework for other online course work by establishing a community of learners.
Restrictions: Enrollment is limited to Graduate level students.
ODL 655 Org Change & Culture (3 credits)
Studying an organization’s culture is essential to any successful change effort. This course will enable students to study organizational theories, systems thinking, and the relationship between cultural issues and successful change implementation. They will experiment with taking on the role of a change agent through simulations, case studies, and studying the culture and changes in their own workplace.
Restrictions: Enrollment is limited to Graduate level students.

ODL 660 Strategic Leadership (3 credits)
Consulting, advising, educating and coaching leaders necessitates a knowledge and understanding of the learning process and how that translates into strategy for changing any human social environment. In Strategic Leadership you will get a chance to broaden your knowledge and expand your leadership development toolkit as a leader and an educator of leaders. Specific strategies are considered and students begin to explore new ways of looking at leadership and their own behaviors in order to successfully implement strategies. Students have will have the opportunity to engage with a group of other students in an action research project and participate in a skill weekend where they reflect on the assumptions underlying their leadership actions.
Restrictions: Enrollment is limited to Graduate level students.

ODL 665 Leading Teams (3 credits)
A big part of organizational life takes place in groups. This course focuses on theories of group dynamics and development and the application to team membership and leadership. Facilitating teams, assessing the development of a team, influencing groups, group roles and group decision-making processes and the dynamics of creating effective virtual teams will all be explored. Students will work in teams in this class and will integrate class learning with their work experience on teams.
Restrictions: Enrollment is limited to Graduate level students.

ODL 668 Social Media & Learning (3 credits)
A big part of organizational life takes place in groups. This course focuses on theories of group dynamics and development and the application to team membership and leadership. Facilitating teams, assessing the development of a team, influencing groups, group roles and group decision-making processes and the dynamics of creating effective virtual teams will all be explored. Students will work in teams in this class and will integrate class learning with their work experience on teams.
Restrictions: Enrollment is limited to Graduate level students.

ODL 670 Strategic Leader Ethics&Values (3 credits)
Thinking strategically about your own development and the development of others is critical to your personal development and your ability to develop others. Leading at the next level requires knowledge and understanding of organizational vision, mission, values, ethics and communication. You will explore the impact of ethics and values on decision-making and organizational effectiveness. Students have the opportunity to focus on a particular area of organizational life and explore the impact of communications, perceptions, behaviors, culture, and current events on the outcomes of projects and initiatives. Pre-Requisites: ODL 650 and ODL 655 or permission from Director.
Prerequisites: ODL 655 and ODL 660
Restrictions: Enrollment is limited to Graduate level students.

ODL 675 Implementing Change (3 credits)
Course aids students in designing and effectively implementing change programs and projects while achieving and sustaining performance. Students have an opportunity to create a change model from both experience and research. Major issues impacting change will be discussed including understanding resistance and techniques to overcome resistance to change.
Restrictions: Enrollment is limited to Graduate level students.

ODL 680 Coaching & Mentoring Skills (3 credits)
This interactive course provides students with the opportunity to learn coaching skills. Specific topic areas include giving and receiving feedback, identifying and understanding communication style preferences, learning how to listen for the "real issues." This course is aligned with the competencies of the International Coach Federation (ICF) and can be applied to professional coaching portfolio hours.
Restrictions: Enrollment is limited to Graduate level students.

ODL 685 Sem in Global Organ Issues (3 credits)
Learning to work across the boundaries of culture, opinions, language, ideas and time zones takes practice, experience, empathy and a sense of adventure. This Seminar in Global Leadership is offered in that spirit to give graduate students the opportunity to do a deep dive into other environments, exposure to multinational organizations like the United Nations, NGO's, Schools, corporations, health systems etc. and to both study and get first hand exposure to training and leadership development functions, and what it takes to manage, facilitate and develop positive human development strategies from a multinational perspective. We will look at global learning and leadership at the individual, organization, national, regional and global levels.
Restrictions: Enrollment is limited to Graduate level students.

ODL 686 Global Leadership (3 credits)
There is no better way to learn about cultural diversity and working in a multinational society than to actually travel to another country. The Study Tour Course includes 9 days in another country and pre work to prepare for the trip and post tour projects. This is a deeply experiential program with a focus on cultural diversity in a variety of education, business and social justice settings. The students will get a chance to network and learn from professionals in other countries.

ODL 688 Social Media & Learning (3 credits)
The course will examine the relationship between learning and social media. Current trends and use of social media in training, education, marketing, product development, data collection, customer service, and networking are some of the topics that will be covered. Students will discuss and evaluate uses of social media in informal social networking and formal knowledge management learning settings. Students will critique their own organization's culture and values around learning and social media and the challenges and opportunities they pose.

ODL 690 Creative Problem Solving (3 credits)
Creative problem solving is an essential skill for people working in complex organizations. Creative thinkers reflect on the assumptions underlying actions and consider new ways of looking at and living in the world. They use methods to identify new alternatives. This course is a comprehensive guide for making worthwhile, influential and creative contributions at work. Students have an opportunity to identify and overcome personal and organizational barriers to develop breakthrough thinking.
Restrictions: Enrollment is limited to Graduate level students.
ODL 695 Org Change: A Gestalt Approach (3 credits)
This course will focus on the Gestalt Model in organizational change consulting. Students will learn a powerful new perspective that recognizes behavior and interactions of systems, rather than individuals, creating new and dynamic possibilities for intervention. A theoretical and practical framework will be taught for high-impact consulting in organizations, exploring critical dilemmas and offering opportunities to practice new skills. This course will benefit students who wish to understand and develop process consultation skills while learning a new framework for managing change. Approved by International Coaching Federation (ICF) for coach accreditation hours. Prerequisite: ODL 605 for ALT and OPD Concentrations, No Prerequisites for ODL Concentration. 
Restrictions: Enrollment is limited to Graduate level students.

ODL 700 Org Dev Theory & App (3 credits)
Course presents an overview of the fundamental components of organization development. Case studies are discussed and analyzed to demonstrate the fundamental components of OD. Practical skills and approaches are studied, such as change techniques and strategies, influence methods in dealing with leaders and consulting/learning models. Focus of course helps students implement successful learning or change programs in their organization. Topics of discussion include developing sponsorship, action research methods, survey feedback approaches, and dealing with conflict. Prerequisite: ODL 650 and 655 or Permission from Director. 
Prerequisites: ODL 650 and ODL 655 
Restrictions: Enrollment is limited to Graduate level students.

ODL 705 Facilitating Org Development (3 credits)
This course includes an overview of how skilled facilitation helps individuals and groups learn and change within organizations. This course is part of a yearlong journey in which students immerse themselves in learning new skills to lead change. Students have an opportunity to practice organization development skills and learn new methods in helping individuals and groups learn to change. Participants learn to effectively use their own behaviors to influence others in creating work environments that foster collaborative, open problem solving, dealing with differences and participative decision making. (Prerequisites for ALT and ORG Psych: All Core Courses).

ODL 710 Interven Skills: Strat & Desgn (3 credits)
Students have an opportunity to complete a project demonstrating action research methodology. Course centers on understanding how to use interventions and the impact that interventions can have within an organizational setting. Students have an opportunity to design and facilitate interventions both in class and in their organization to assure the successful implementation of change and/or that individual learning takes place within their project. Prerequisite: ODL 705 
Prerequisites: ODL 705 
Restrictions: Enrollment is limited to Graduate level students.

ODL 750 Change Leader:Facilitating Chg (6 credits)
This is a 6-credit Residency specifically required for students signing up for the online ODL program. The course is designed to be a transformative experience that builds on all of the preceding courses. It will provide real-time community interaction, face-to-face feedback, and opportunities to lead change experiments. During this residency, students learn how to close the gap between knowing and doing through specific teaching and learning strategies. The program is organized into a series of clinics focusing on areas like facilitative leadership, team leadership, implementing change, and power and authority dynamics. Prerequisite: ODL 650 or permission form Director. 
Prerequisites: ODL 650

ODL 770 Special Topics in ODL (3 credits) 

ODL 775 Capstone Seminar (3 credits)

ODL 780 Research Design & Eval (3 credits)
The course helps students design and evaluate research in their respective organization or field of study. Methods are presented for application to work situations. Topics include: the similarities and differences between theoretical and applied research, use of data-gathering techniques, writing of research reports and evaluation methods for change, learning, and research projects. Prerequisite: Completion of Foundation Courses. Required for ALT and OPD concentration. 
Restrictions: Enrollment is limited to Graduate level students.

ODL 785 Advanced Seminar (3 credits)
A capstone course and the last course taken in the Organization Development and Leadership Graduate Program. Course provides students the opportunity to complete a professional paper on a topic/issue of their choice utilizing research methods and statistics. Students also complete an independent/group project leading to the design and facilitation of a learning or change project. Prerequisite: ODL 780. 
Prerequisites: ODL 780 (may be taken concurrently) 
Restrictions: Enrollment is limited to Graduate level students.
PHARMACEUTICAL MARKETING (PMK)

PMK 150 Global Healthcare (3 credits)

This service-learning course will provide an understanding of healthcare delivery in the U.S. and familiarity with the components of healthcare delivery to include: patients, providers, products, payers and policy makers/regulators. Students will also have the opportunity to assist patients with various interactions with healthcare delivery ranging from interpreting their healthcare coverage options to post-operative recovery. This course fulfills the requirement for the Minor in Healthcare Ethics. Elective.

Attributes: Undergraduate

PMK 180 Patient Access to Healthcare (3 credits)

The course focuses on teamwork and expands students’ ability to synthesize critical functions in product management. This course is designated as Writing Intensive. Prerequisites: PMK 211, PMK 341, PMK 351.

Attributes: Undergraduate

PMK 190 Healthcare Delivery Alternative (3 credits)

The course focuses on strategy and planning development for a specific pharmaceutical product. This course fulfills the requirement for the Minor in Pharmaceutical Marketing.

Attributes: Undergraduate

PMK 211 Pharmaceutical Mkt Environment (3 credits)

An introduction to the pharmaceutical industry and to the theory of marketing, as well as an overview of the dynamics of the healthcare industry with an emphasis on managed care, cost containment, disease management and accountable care organizations (ACO’s). Additionally, students will learn a basic understanding of pharmacology. Prerequisite to all major concentration requirements. Open to all students.

Attributes: Ethics Intensive (New GEP)

PMK 221 Pharmaceutical Mkt Research (3 credits)

Covers the process that involves systematic gathering of quantitative and qualitative information that will help identify and resolve issues concerning patients, physicians and payers. Areas covered include problem recognition, research design, data collection, data analysis, results, and recommendations. Prerequisite: PMK 211.

Attributes: Undergraduate

PMK 311 Pharm Sales Management (3 credits)

Covers the basic concepts of selling with particular focus on role playing. In addition, the course covers concepts related to applying science (clinical reprints) to sales, territory management and pharmaceutical ethics. The first half of the course describes the distribution process of pharmaceuticals, with concepts specific to designing and managing effective strategic relationships with other channel members. The second half examines how firms set prices and the legal and policy ramifications of pricing. Prerequisite: PMK 211.

Attributes: Undergraduate

PMK 341 Pharm Channels & Pricing (3 credits)

The first half of the course describes the distribution process of pharmaceuticals, with concepts specific to designing and managing effective strategic channel relationships. The second half examines how firms set prices and the legal and policy ramifications of pricing. Prerequisite: PMK 211, PMK 221.

Attributes: Undergraduate

PMK 351 Pharm Promotions Management (3 credits)

Covers advertising, direct marketing, promotions, e-marketing, ethical, legal and regulatory concerns associated with the promotion of pharmaceutical products. Prerequisites: PMK 1011 or PMK 1015 and PMK 2021 or PMK 221.

Attributes: Undergraduate

PMK 461 Pharm Mkt Strat & Plan I (3 credits)

The course focuses on strategy and planning development for a specific pharmaceutical product. This course fulfills the requirement for the Minor in Pharmaceutical Marketing.

Attributes: Undergraduate

PMK 465 Advanced Marketing Research (3 credits)

The pharmaceutical and biotech business is rapidly changing and requires marketing researchers and brand managers to appreciate the decision-making contexts in which marketing research is conducted. Prerequisites: PMK 211, PMK 221.

Attributes: Undergraduate

PMK 471 Pharm Mkt Strat & Plan II (3 credits)

Drawing on the broad range of content covered in the first six courses, this capstone course integrates and builds on the foundations laid previously. This course addresses pharmaceutical corporate strategies including health policy issues with practical application through a number of formats: cases; exercises; simulations. Prerequisites: All other PMK courses.

Attributes: Undergraduate
PMK 491 Pharmaceutical Internship (1-3 credits)
The Pharmaceutical Internship/Independent Study enables students who have declared Pharmaceutical Marketing as their major to earn one (1) credit and enhance their knowledge in the sponsoring firm by working in the pharmaceutical or related industries as an intern. Students can earn up to three (3) credits by combining an internship with independent study. Credit is based on a review by the sponsoring faculty member of the student’s circumstance, needs of the firm where the student is doing their internship and academic requirements of the sponsoring faculty member. The internship/independent study credits are counted as free electives and can only be applied to the semester during which the internship/independent study was taken. Prerequisite – completed at least 4 courses in the major.
Prerequisites: PMK 2041 (may be taken concurrently) or PMK 331 (may be taken concurrently) and PMK 2031 (may be taken concurrently) or PMK 351 (may be taken concurrently)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Pharmaceutical Marketing.
Attributes: Undergraduate

PMK 545 Pharm Marketing Gateway Crs (3 credits)
This is a policy course that provides a broad perspective with specific focus on aspects of healthcare systems. Given the spiraling costs around the globe along with the recent introduction of Obamacare in the U.S, healthcare has the potential to bankrupt national budgets. Classes will include assessment of healthcare infrastructure from advertising agencies that have evolved into consulting firms to healthcare distributors and all the stakeholders involved with healthcare delivery: hospitals, doctors, pharmacists, nurses, and “alphabet soup” like Accountable Care Organizations (ACOs). The class will also combine contemporary evaluations of healthcare delivery, e.g., Sicko, and is anchored by a semester-long research project that will enable students to gain in-depth insights about healthcare delivery.
Restrictions: Enrollment is limited to Graduate level students. Enrollment limited to students in the Haub School of Business college.
Attributes: Gateway Course (Grad HSB)

PMK 600 Health Care Marketing (3 credits)
This course covers identifying market opportunities and different segments of the health care delivery system. It will also incorporate strategies and the application of the “4Ps”: price, product, place, and promotion. The environment for the course will be managed care. Prerequisite: MKT 501 or equivalent.
Prerequisites: MKT 501 or MKT 501 Waiver Score with a score of 1 or HSB Waiver with a score of MKS01

PMK 620 Supply Chain Mgt in Healthcare (3 credits)
This course describes the distribution process of pharmaceuticals, medical devices, diagnostics and biologics with concepts specific to designing and managing strategic channel relationships. Prerequisite: MKT 501 or equivalent.
Restrictions: Enrollment is limited to Graduate level students.

PMK 640 Pharmacoeconomics (3 credits)
This course reviews the principal concepts of economics and the history and development of health economics. Additionally, it emphasizes the application and value of health economic studies through the use of examples from the pharmaceutical, biologic, medical device and diagnostic industries.
Prerequisites: MKT 501
Restrictions: Enrollment is limited to Graduate level students.

PM 650 Coding, Coverage & Reimbursement (3 credits)
PM 660 Coding Coverage Reimbursement (3 credits)
The course provides information to help a healthcare professional understand how to run their practice as a business in the U.S. Background of coding systems to include ICD-10 and CPT, will be introduced along with case scenarios that reveal how a coding system links a procedure or product to the different reimbursement systems, such as Medicare and Medicaid, to get payment. Prerequisite: MKT 501 or equivalent.

PM 670 Pricing in Healthcare Industry (3 credits)
This course examines how manufacturers of pharmaceuticals, medical devices, diagnostic and biologics set prices for their products as well as investigates the legal and policy ramifications of pricing. Prerequisite: MKT 501 or equivalent.
Restrictions: Enrollment is limited to Graduate level students.
PHILOSOPHY (PHL)

PHL 101 Human Person (3 credits)
Various first-year seminars are offered each year by philosophy faculty.
Attributes: First-Year Seminar, Undergraduate

PHL 150 First Year Seminar (3 credits)
Various first-year seminars are offered each year by philosophy faculty.
Attributes: First-Year Seminar, Undergraduate

PHL 154 Moral Foundations (3 credits)
A critical study of the various ways in which agents, actions, and social practices are evaluated from the moral point of view, as this has been articulated in major Western ethical theories. Tools for this study include an introduction to philosophical reasoning and concepts basic to the moral point of view, such as rights, duties, virtue and character. Theories studied include but are not limited to Consequentialism, Deontologism, and Natural Law. Satisfies the GEP Jesuit tradition course requirement.
Attributes: Signature Course (New GEP), Undergraduate

PHL 170 Special Topics in Philo (3 credits)

PHL 201 Knowledge and Existence (3 credits)
Three basic problems concerning reality and the quest to know reality: 1) the origin, validity, and limits of human knowledge; 2) Graeco-Christian, modern, and contemporary approaches to being and causality; and 3) the problem of God. Does not satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 220 Logic (3 credits)
A study of the logic of ordinary language: the functions of language, forms of argument, fallacies, definition, analysis of propositions and deductive reasoning; inductive reasoning, analogy and scientific hypothesis testing. An introduction to symbolic logic is provided. Techniques are developed for translating arguments in ordinary language into a canonical language that highlights their logical form. The predicate and propositional calculi are used to establish the validity of simple arguments. Does not fulfill the philosophy GEP.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 240 Symbolic Logic (3 credits)
The study of the semantic and syntactic properties of propositional and predicate logics- natural deduction systems of the first order. Some results in meta-logic (such as the soundness and completeness proofs for particular systems) may be addressed, and attention may also be paid to the properties of axiomatic deductive systems in contrast to systems of natural deduction. The usefulness of formal systems for studying the property of validity in natural language arguments will also be addressed, in part by learning techniques for "translating" arguments from one language to the other. Does not fulfill the philosophy GEP.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 250 Philosophy of Death (3 credits)
A study of the reality of death as the boundary of human experience. The course explores the meaning of death and its relationship to the meaning of life, examines evidence for and against the thesis that death is the end of human existence, and considers implications for selected contemporary issues (e.g., death with dignity, medical definition of death). This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philanthropol (New GEP), Undergraduate

PHL 252 Philosophy of Karl Marx (3 credits)
An analysis and evaluation of the early writings of Karl Marx. Topics to be stressed include the metaphysical roots of Marx's concept of human beings, the causes and effects of alienation, economic determinism, and the rise of philosophical communism. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philanthropol (New GEP), Undergraduate

PHL 253 Hume, Darwin, Marx, and Freud (3 credits)
This course takes up four giant thinkers — Hume, Darwin, Marx, and Freud — men who changed their respective fields in radical ways. David Hume provided a bold philosophy of human understanding based on the empirical method of investigation. A century later Charles Darwin use the empirical method to develop his theory of evolution via natural selection, which revolutionized knowledge of human origins and the relatedness of all species. Karl Marx used empiricism to reconceive human history in economic terms and to predict a social revolution in class structure. Sigmund Freud applied empirical investigation to neurological problems resulting in the discoveries of psychoanalysis. We will ask, how did each figure overturn the knowledge tradition of his time to reconfigure human functioning? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philanthropol (New GEP), Undergraduate

PHL 254 Phil & the Democratic Body (3 credits)
For centuries philosophers have tried to understand what it means to be human by analyzing various aspects of the human condition. Unfortunately, the fact that we are embodied beings has not yet received adequate treatment. This course is an attempt to correct many years of philosophical avoidance of the body. We will not begin our inquiry with the assumption that human consciousness is just a given and is the same in all human beings. Rather, we will begin with an analysis of various forms of embodiment and consciousness as affected by the types of bodies that we have and social attitudes towards these bodies. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philanthropol (New GEP), Undergraduate

PHL 256 Freedom and Determinism (3 credits)
A metaphysical and epistemological analysis and evaluation of the various philosophical positions on the determinism-free will issue. Various kinds of determinism (hard, soft, theological, etc.) will be critically examined, and various ways of arguing in support of free-will (from choice, deliberation, remorse, etc.) will be assessed. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philanthropol (New GEP), Undergraduate
PHL 257 Philosophy and Liberation (3 credits)
What do we mean by "liberation"? Liberation from what? Liberation for what? What role does philosophy play in the quest for liberation? This course will explore the meaning of liberation in a variety of contexts (biological, psychological, economic, political, spiritual), paying special attention to what it might mean for students and the university. In particular, we will be looking for those places where the philosophical, the political, and the spiritual intersect in the event of liberation. Emphasis will be on Latin American philosophies and theologies of liberation, focusing on the thought of Xavier Zubiri, Ignacio Ellacuria, and Enrique Dussel. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 258 The Authentic Self (3 credits)
This course will center on careful textual study of primary sources in philosophy/theology that deal with the analysis of human "fallenness" and self-recovery. A key element that will emerge is the role of the will: not just the theoretical freedom of the will, but the necessity to make a specific act of the will, namely to will to be one's authentic self. Focus on works of Augustine, Kierkegaard, and Heidegger. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Philosophy Level 3, Undergraduate

PHL 260 Philosophy of Human Nature (3 credits)
In this course we shall inquire into the nature of human beings by reading and discussing major philosophical texts from the western intellectual tradition along with essays written by contemporary philosophers. In particular we shall explore such topics as the nature of human rationality, knowledge and belief, immortality, virtue, free will, self-deception, the mind-body problem, and physicalism vs. dualism with respect to human persons. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 262 Freedom, Citizenship, Culture (3 credits)
This course will survey recent trends in political philosophy with special attention to competing conceptions of political freedom, civic identity and responsibility, and the political significance of community and cultural diversity. Does our political freedom depend primarily upon securing the negative liberties celebrated in the classical liberal tradition? Does it also require adequate social rights, democratic self-determination and/or active and ongoing participation in the political process? How should claims of freedom be balanced alongside the need to promote the common good, political solidarity and unity, and a sense of common belonging? How should the demands of citizenship be weighed against commitments arising from membership in sub-state cultural groups and other forms of human community? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 264 Topics in Moral Psychology (3 credits)
This course will explore human moral judgment, decision making, and behavior. Included are examinations of issues about whether the psychological processes involved in human moral practice are innate, about the respective roles of emotion and reasoning in moral judgment, and about the extent to which cultural forces shape our moral beliefs. Following the lead of much of the field in recent years, our focus will be primarily on working out the philosophical implications of recent scientific investigation on the topics. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 266 Rel. & Phil in Amer. Identity (3 credits)
From the founding of the American nation under the influence of Puritanism to the rise of Transcendentalism in the nineteenth century, philosophic and religious propositions have decisively shaped the American character. This course examines several important episodes in American thought in order to determine what makes Americans different from other sorts of people, what habits of thought inform their decisions, and what principles govern their understanding of the relation between religion and public life. This course typically involves making two off-campus visits to historical sites in Philadelphia. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 268 The Self: East and West (3 credits)
Philosophers East and West, ancient and modern, have struggled with the question: What does it mean to be a Self? What does it mean to be genuinely myself in the world in which I find myself? And what are important erroneous as well as "accurate" ideas that have practical consequences in the experience of myself? The course is intended to be an introduction to, and survey of, four philosophical notions of the Self, from East and West, from antiquity to recent times: Buddhism, Confucianism, Stoicism and Existentialism. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 269 Plato & Waking Life: on Being (3 credits)
In 399 B.C., Socrates famously said, "The unexamined life is not worth living." He made that statement in Plato's work The Apology. In addition to The Apology, we will read Plato's Republic, where Plato presents his idea of the best possible state, both internally and externally. In the second half of the course we will start by watching a 2002 animated film, Waking Life, by the contemporary director Richard Linklater. We will delve into further topics that present and question modes of conscious being. All the materials of the course are connected with each other via the metaphysical notion of conscious existence and the degree to which it provides access to reality. A question to consider in both parts of the course: Is it possible to grasp reality through self-examination? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Attributes: Philosoph Anthropol (New GEP)
PHL 270 Special Topics in Philosophy (3 credits)

PHL 272 Human Intelligence (3 credits)

There are few things in the modern developed world that get as much attention as human intelligence. Yet, for all the attention that intelligence receives, most people have thought surprisingly little about it: What is intelligence? Can it be learned? Is it possible for us to measure intelligence, and if so how? This course will examine these issues in depth, consider empirical findings, and explore philosophical issues that these findings and a variety of everyday practices surrounding intelligence raise. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 274 From Athens to Philadelphia (3 credits)

This course investigates how a city like Philadelphia was built and to consider how a city can be built justly. This involves inquiring into the nature of cities and city life in the United States and attempting to formulate criteria for a just city. Attention will be given to topics of urban planning, to philosophical theories of justice, and to the Great Migration, the movement in the 20th century of African-Americans from the rural south into cities of the northern states. Students will be required to make several trips into Center City in Philadelphia as part of this course. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Philosoph Anthropol (New GEP)

PHL 276 Philosophy of Cornel West (3 credits)

PHL 278 Philosophy of MLK (3 credits)

While much attention has been given to King as an activist, little has been written about his philosophical development and the further implications of his philosophical positions. Much of what King preached, wrote, taught, believed, and lived has its origin in his engagement with philosophy. In his writings one can see him struggle with such thinkers as Marx, Hegel, Kant, Nietzsche and others as he attempts to make sense of and transform the human condition. King’s struggle against the dehumanization of African Americans and the poor often led him to an interesting synthesis of theology and philosophy. For this reason we must also address the philosophical and emancipatory aspects of the works of Paul Tillich, Reinhold Niebuhr, Howard Thurman, and Walter Rauschenbusch. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

PHL 280 Life and Death (3 credits)

The focus of the course is primarily metaphysical. The course begins with an examination of what it means to be alive. Historically, this is a question that has had philosophical and scientific roots, and we will examine both. Early ideas about life included the view of life as breath, a view that persists etymologically in words such as “spirit”. We will survey these ideas leading up to Enlightenment debates between vitalism and mechanism. After completing this survey, we will consider what is meant by a life, as a process extended in time. This leads directly to a consideration of human life, and the life of a person. In the death part of the course, we will deal with some fairly standard issues, including the Harm Thesis, and the question of whether it is ever or always rational to fear (or at least want to avoid) death. In addition, conceptions of the afterlife will be considered, in light of points previously made concerning the nature of a life in general. The conditions that would make for a meaningful afterlife will be considered in light of the question of what makes for a meaningful life in the first place. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 282 People, Animals, and Ethics (3 credits)

This course will evaluate the ethical issue of whether humans have a moral obligation to protect the rights and welfare of nonhuman animals. Determining this will require a philosophical exploration of whether nonhuman animals have any rights in the first place and, if so, what these are. The course will also explore the nature and origin of ethics in human societies (including the possibility that precursors to ethical behavior can be found in some animal groups), and thereby raise the question of whether human moral practices constitute a radical departure from so-called natural behaviors. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 284 Phil & Personal Relationships (3 credits)

This course is a philosophical exploration of relationships between individuals, particularly friendship and love, but including sex, marriage, and family, as well as any other ways in which individuals relate. Building on theories of philosophers and other thinkers, this course may consider, for example, what makes personal relationships valuable, how personal life relates to social context, how personal relationships like love and friendship have changed over time, how gender, race, age and other differences figure in personal relationships. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.

Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate
PHL 286 Philosophy of Mental Illness (3 credits)
This course will explore philosophical questions at the heart of the fields of psychiatry, clinical psychology, and other mental health professions. Broadly, we will identify and critically evaluate assumptions that underlie labeling and treating certain individuals as "insane," "mentally ill," or "mentally disordered." We will use conceptual tools within the philosophy of mind, philosophy of science, philosophy of medicine, and moral philosophy to consider questions such as: What is insanity? Is it a disease or illness, "just like diabetes"? What is a disease in the first place? How do we define a "good" or "healthy" human life? What are the ethical implications of labeling people as mentally disordered? Might so-called mental disorders be better described as forms of "neurodiversity," to be celebrated instead of cured? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP)

PHL 288 Minds & Souls (3 credits)
This course surveys both the main issues and theories in contemporary philosophy of mind as well as traditional and contemporary conceptions of the soul. It philosophically examines the difference between these distinct approaches, and will inquire: Why have soul theories been largely eclipsed by other approaches until relatively recently? Why are a few philosophers taking another look at soul theories? How do broader worldview considerations inform the debates? The topic of "singularity" will also be covered. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Attributes: Philosoph Anthropol (New GEP)

PHL 292 People, Animals, and Language (3 credits)
Modern humans emerged about a hundred thousand years ago, which is only an instant in the several-billion-year history of life on earth. Yet, in that short time we became the dominant species and radically changed the natural order. One proposed answer to the question of how humans rose to prominence so rapidly and decisively is the faculty of language. But what is the origin of this faculty? Darwin's 1871 book The Descent of Man argues that humans descended from other species not only biologically but also psychologically. That is, all of the mental abilities thought to make our species special—consciousness, cognition, emotion, morality, and language—evolved. These abilities did not come on the scene suddenly with the appearance of Homo sapiens but instead existed in varying degrees in our nonhuman and prehuman ancestors. Following Darwin's lead in looking for the origin of language in animal communication including gestures, singing, and calls, researchers have continued to explore these links. In our course, we will start by examining the general connections between the minds of nonhuman species and humans, and then we will focus on the evolution and importance of human language. Readings include several chapters from Darwin's Descent of Man; Sapiens: A Brief History of Humankind by Yuval Noah Harari; Kanzi: The Ape at the Brink of the Human Mind by Sue Savage-Rumbaugh; and The First Word: The Search for the Origin of Language, by Christine Kenneally.
Attributes: Undergraduate

PHL 298 Philosophy of Race (3 credits)
Race plays a prominent role in our social existence, even in what some have called a "post-racial society," and has for centuries. In this course, we will take a philosophical approach to understanding a set of related questions about race. What is the origin and basis for racial concepts? Is race socially constructed, or does it have a biological basis? Does racial discourse serve to further entrench racial divisions? How does racial oppression relate to other forms of oppression such as class- and gender-based oppression? What is "privilege"? What could it mean to say that a person has moral obligations deriving from harms which s/he has not personally brought about, and do persons ever have such obligations? We will also investigate issues such as affirmative action, racial solidarity, and the ways in which racial oppression differentially affects men and women. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Africana Studies Course, Diversity Course (New GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 304 African Philosophy (3 credits)
Introduction to African philosophical approaches to: the problems of God, causality and chance, freedom, fate and destiny, the concepts of spirit, the philosophical wisdom of the African proverbs and the implications of Africa's history for philosophy, with applications to Western thought. Selected Readings from modern African novels, essays in anthropology, traditional philosophical, religious and literary texts, and essays by contemporary African philosophers.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Africana Studies Course, Undergraduate

PHL 306 Indian Philosophy (3 credits)
This course will explore philosophical questions at the heart of the fields of psychiatry, clinical psychology, and other mental health professions. Broadly, we will identify and critically evaluate assumptions that underlie labeling and treating certain individuals as "insane," "mentally ill," or "mentally disordered." We will use conceptual tools within the philosophy of mind, philosophy of science, philosophy of medicine, and moral philosophy to consider questions such as: What is insanity? Is it a disease or illness, "just like diabetes"? What is a disease in the first place? How do we define a "good" or "healthy" human life? What are the ethical implications of labeling people as mentally disordered? Might so-called mental disorders be better described as forms of "neurodiversity," to be celebrated instead of cured? This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 154
Attributes: Africana Studies Course, Diversity Course (New GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 308 Asian Philosophies (3 credits)
This course will examine the concepts of self, nature, and society in the Asian philosophical paradigms as they have been articulated in the philosophy of India, China and Japan, and contemporary Asian Philosophies.
Prerequisites: PHL 154
Attributes: Asian Studies Course, Non-Western Studies (GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 310 Philosophy of Art (3 credits)
An examination of the philosophical questions arising from the human activity of creating and appreciating art (of all kinds: visual, musical, literary, etc.). Questions can include: the relation of perception and aesthetic appreciation to knowledge; the relation between emotion and belief; the relation between artist/creator, audience/spectator, and art work. How is art distinguished from nature as possible object of aesthetic appreciation? Must art even be aesthetic? If not, how is the category ‘art’ defined, and by whom?
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 311 Philosophy of Law (3 credits)
Philosophy of Law examines some of the philosophical questions raised by law and legal systems, such as the nature and limits of law, the relation between law and morality, the challenges in applying the principles of constitutional, contract, criminal and tort law, and specific issues such as civil disobedience, equality and liberty, rights and responsibility, and punishment and excuses.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Philosoph Anthropol (New GEP), Undergraduate
PHL 314 Topics in Phil & Medicine (3 credits)
This course examines critical philosophical questions that arise from the practice of medicine and medical research. Central topics include: confidentiality; informed consent; research on humans and non-human animals; stem cell and genetic research; reproductive and end-of-life issues; and the just distribution of health care resources. May be taken to satisfy the Ethics Intensive course requirement.
Prerequisites: PHL 154
Attributes: Undergraduate

PHL 316 Food and Justice (3 credits)
It’s indisputable that there are complex moral issues related to food: How should we respond to the problems of global hunger in the 21st. century? How should we respond to the fact that millions of children and adults on our planet are severely malnourished, if not facing starvation? Are our current means of food production sustainable? And do they threaten the health and well-being of future generations? What moral challenges are raised by the use of biotechnology in food production and processing? How can we provide safe, acceptable, nutritious food for all persons in such a way that is respectful to the welfare of all sentient beings? May be taken to satisfy the Ethics Intensive course requirement.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 318 Psycholinguistics (3 credits)
This course is an introduction to the study of how language is represented in the human mind and what processes are involved in language use, including producing, comprehending, and storing both spoken and written language. Together, we will explore questions such as the following: How do humans store and recognize words? How do we analyze speech? What processes are involved when we speak and read? We will study spontaneously-occurring speech errors and misperceptions and carry out experimental investigations on language production and comprehension. This course is open to students from all academic majors and there is no prerequisite.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 320 Business, Society, and Ethics (3 credits)
This course will discuss ethical issues in the practice of business. Topics will typically include ethical issues in marketing, finance, human resources, the environment, product liability, global sales and labor practices, etc. The course will address these issues in business practice through the lenses of traditional ethical theories. May be taken to satisfy the Ethics Intensive course requirements.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 322 Philosophy of Science (3 credits)
Methodological problems of observation, discovery, testing; the realistic import of models and theoretical entities; the use of paradigms in science; revolutionary periods in science; the relationship between science and philosophy; scientific determinism; science and human values.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154

PHL 324 Philosophy of Social Sciences (3 credits)

PHL 326 Philosophy of Sports (3 credits)
This course will investigate a variety of philosophical issues surrounding sports. The main focus will be on ethical topics such as the use of performance enhancing drugs, the appropriateness of institutions surrounding college athletics, and the use of government funds to subsidize stadiums and arenas for professional sports franchises. These issues will be investigated by employing common methods in moral philosophy, informed by empirical research in economics and a variety of other scientific disciplines.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP)

PHL 328 Philosophy and Evolution (3 credits)
After examining the theory of evolution via natural selection, the course will cover two important philosophical debates provoked by Darwin’s theory. First, by situating human beings within a purely natural context, evolutionary theory aroused the wrath of theologians, who looked to God as the source of creation of both man and nature. An important part of the argument is over teleology, the ancient theory that everything in nature has a purpose, and the course takes up the teleological argument for the existence of God and the Darwinian refutation of it. This issue leads to considering the role of religion in a post-Darwinian world. Second, by situating human beings within a purely natural context, Darwin’s theory called into question the specialness of humans in relation to animals. The debate here is whether nonhuman animals can be considered to possess cognition, language, and morality, or whether humans alone have these abilities.
Prerequisites: PHL 154 or PHL 1031 or PHL 1033
Attributes: Philosoph Anthropol (New GEP)

PHL 330 Social and Political Phil (3 credits)
This course serves as an introduction to major works in the history of social and political philosophy. With a survey of important figures and texts from pre-modern, modern and contemporary periods, the course will address basic philosophical questions about the individual, society and the political order. These questions include: In what sense is the political order a community? What is the philosophical basis and justification of law and political authority? What are the social and political implications of a commitment to human freedom and equality? What is justice? What are the necessary social conditions for realizing freedom, justice and human flourishing?
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Philosoph Anthropol (New GEP), Undergraduate

PHL 332 Economic and Social Philosophy (3 credits)
God calls individuals and communities to be just. Philosophers argue that justice is a virtue necessary for all societies and communities. But what does justice, especially social justice, mean? The concept has a history which this course will examine by a careful reading of classic texts of Old Testament, New Testament, Aristotle, Aquinas, Locke, Marx, and Catholic Social Teaching. Contemporary issues of the working poor and economic globalization will be examined in light of the classic texts.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
PHL 334 Ethics and Criminal Justice (3 credits)
This course will address ethical issues in the criminal justice system at both the theoretical and applied levels. Typical theoretical issues addressed might include the following: the relationship between law and morality; theories of punishment; conditions for the moral and/or legal responsibility of individuals; notions of procedural justice. Typical applied ethics issues might include the following: limits on the police use of deception and of deadly force; search and seizure rules; plea bargaining; mitigation and excuse defenses (e.g. insanity); mandatory sentencing, especially life without parole; capital punishment.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP)

PHL 336 Violence and Non-Violence (3 credits)
This course will focus on two levels: philosophical reflection on the moral dimensions of violence and nonviolence in general, and analysis of some specific moral issues concerning the resort to violence. Issues include the morality of war, especially under current conditions, and criminal punishment. Theories of nonviolence, and practical alternatives to violence, will be examined.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 338 Vio & Reconciliation in N. Ireland (3 credits)
The course will examine violence and reconciliation in Northern Ireland from both a philosophical and sociological perspective. The instructors will pay special attention to both the socio-historical roots of “The Troubles” and the moral context of discourses of retribution and forgiveness. During the stay in Northern Ireland, SJU students are guests of Corrymeela, an ecumenical community committed to the work of reconciliation by providing a “safe and shared space” where people can meet as Protestants and Catholics, British and Irish, rich and poor, and through open dialogue and interaction grow in trust with one another. Students, during the second week of the stay, will be expected to live with a family in Belfast and work at a cross-cultural community site.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 340 Topics in Political Philosophy (3 credits)
This course will examine recent developments and debates in social and political philosophy. The emphasis of the course will be on contemporary discussions of a problem or set of problems, though some attention may be paid to the treatment of these problems in the history of philosophy. Topics to be examined might include political legitimacy, human rights, private property and distributive justice, just and unjust war, cosmopolitanism and patriotism, global justice, social unity and solidarity, toleration, multiculturalism, and the role of religion in politics.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

PHL 342 Dimensions of Freedom (3 credits)
Political philosopher Hannah Arendt claims that the ability to forgive and the ability to make and keep promises are at the center of human freedom, the capacity to interrupt automatic processes and begin something new. The experience of imprisonment will be an important focus of class discussion, and a starting point to examine multiple dimensions of human freedom. These include: negative vs. positive freedom; freedom of action vs. inner freedom (thought, imagination, will); political freedom vs. political oppression; the extent to which freedom in any of these senses is a good, worthy of the value we tend to give it. For each dimension, we will also ask what inner and/or external conditions limit or even preclude its exercise.
Prerequisites: PHL 154 or PHL 1031 or PHL 1033
Attributes: Philanthrop (New GEP)

PHL 350 God in Recent Philosophy (3 credits)
The course examines three different conceptions of God: [1] Popular Theism: God conceived as similar to a human person – though incorporeal, unobservable, and possessed with superhuman attributes. This is the view of God held by most traditional theists. [2] Perfect Existence Theism: in which God is not a being of any kind, not even a personal being, even though personal language can be used in speaking of God. This is the view of God espoused by Thomas Aquinas; and [3] Panentheism: God conceived as inclusive of rather than independent of the world; the relation between God and the world being like the relation between the mind and its body. This view has been defended by Charles Hartshorne. In the case of each form of theism, questions arise as to how it deals with the problem of evil: how its view of God squares with the fact that the world contains vast amounts of moral and physical evil. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 351 Reason, Faith, and Relativism (3 credits)
Intelligent, sincere, and equally well-informed people often strongly disagree. This seems especially true when it comes to religious beliefs. In that context, people will often appeal to “faith,” which some construe as belief without good reason. It is therefore important to ask what counts as good reason for holding a belief, and whether all beliefs are subject to the same standard. If two individuals hold contradictory beliefs, then certainly one of them is wrong, but might both be justified in holding those beliefs? If so, does this imply that truth is relative? This course deals with the general topic of rational belief formation in a world that is religiously, ideologically, and culturally diverse. Satisfies Signature core course requirement in Faith and Reason.
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 352 Kierkegard, Nietzsche, Dostovskv (3 credits)
Against the backdrop of classical metaphysics and human rationality, the sources and early development of existential themes are developed. Selected readings from Kierkegaard (Either/Or, Fear and Trembling), Nietzsche, (Thus Spoke Zarathustra, Beyond Good and Evil), and Dostoevsky (Notes from the Underground). Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 353 Phil, Science, and Religion (3 credits)
A consideration of important issues in philosophy and philosophy of religion within the historicizing context of the scientific world-view of the times. Simultaneously, the course will consider the implications of the current (and changing) scientific world-view (genetics, astronomy, physics) for philosophical and religious reflection, including the idea of God. Philosophically as well as scientifically, the course will take its point of departure in Darwin and come back to consider the radical implications for philosophy and religion prophetically seen by his contemporary Nietzsche. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 354 Philosophy of Religion (3 credits)
Philosophical analysis of some of the following topics: religious experience, testimony, belief, human destiny, evil, knowledge of and language and arguments about God. Readings from classical and contemporary sources. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate
PHL 355 Phil Iss in Christian Doctrine (3 credits)
This course will investigate the coherence and plausibility of some of the most central teachings of Christianity. A sampling of potential topics includes: heaven and hell, the Trinity, Original Sin, the Atonement, and the Incarnation. There will also be a discussion of different methods of deciding when a teaching is essential to Christianity, and an exploration of various alternative interpretations of the doctrines. Satisfies Signature core course requirement in Faith and Reason.
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 356 Religious Diversity (3 credits)
Religious diversity is an inescapable fact. It is hard to imagine anyone’s thinking his or her religion (should he or she have one) to be the only one that exists or the only one capable of evincing commitment and devotion. The diversity of religions raises questions that are practical as well as theoretical. The fact of religious diversity has elicited various philosophical reactions, ranging from exclusivism, to relativism to inclusivism. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP), Honors Course, Undergraduate

PHL 357 Uses & Abs of Jesus in Modrnty (3 credits)
A representative survey of important 19th and 20th century philosophical and theological writings about Christianity and Jesus of Nazareth as Christ, with particular attention to the role of philosophy of religion and theology within modernity. The course will address a variety of statements and standards for articulating the meaning and identity of Jesus as Nazareth as: the Jesus as history, the Christ of faith, and the Christ-idea and archetype in Western tradition. And it will give special attention to the ways in which the texts chosen both reflect and transform the cultural, philosophical and religious contexts within which they appear. Satisfies Signature core course requirement in Faith and Reason.
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 358 Atheism & Prob of God (3 credits)
After a study of the classical arguments concerning God’s existence, the course examines examples of 19th century atheism (Feuerbach, Marx, Nietzsche) and belief (Kierkegaard, Dostoevsky), and 20th century atheism (Sartre, Camus) and belief (Rahner, Marcel). Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 359 Existence of God (3 credits)
This course will focus on arguments for and against the existence of God. It will begin by examining the ontological, cosmological, and design arguments for the existence of God. Included will be a discussion of purported evidence for the existence of God from modern biology and cosmology. It will then examine arguments against the existence of God based on human and animal suffering, followed by arguments against the existence of God arising from the scarcity of credible miracle claims. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 360 Philosophy of God in Aquinas (3 credits)
This course will examine the philosophical writings of Thomas Aquinas on the existence and nature of God. Topics include the procedure of philosophical theology, the methodological problem of attaining true knowledge of God, Aquinas’s “five ways” of demonstrating the existence of God, and arguments for the various “attributes” of God: simplicity, perfection, goodness, infinity, ubiquity, unchangeableness, eternity, and oneness. Aquinas’s innovative method of analogical predication will be employed to offer a philosophical interpretation of core theistic assertions that God has life and knowledge that God wills and loves, that God exercises providence both justly and mercifully, that God is all-powerful and perfect happiness. This course may be taken to satisfy the major requirement for a course in the ancient or medieval period. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 1031 or PHL 154
Attributes: Faith-Reason Course (New GEP), Undergraduate

PHL 362 Faith & Reason in Kantian Phil (3 credits)
This course begins with an examination of two types of traditional arguments for the existence of God: those based on putative grounds of reason and those based on putative grounds of experience. The questionable success of such proofs will raise several questions: what is the nature of human reason, what is the nature of faith as a distinct epistemic attitude, and how should we think about the relation between them? We shall then pursue Kant’s systematic answers to these questions with the hope that they will give us a workable and empowering alternative to the arguments studied earlier in the course. Possible further topics for the course include (1) the possibility of understanding the history of arguments for God’s existence as a progressive development of reason’s awareness and articulation of its needs, and (2) the application of Kant’s analysis of reason to some fundamental claims and themes of the Christian religion in order to show how they can be understood as having a basis in reason. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP), Undergraduate, Writing Intensive Course - GEP

PHL 364 God, Evil and Hiddenness (3 credits)
This course will examine recent arguments against the existence of God based on the problem of evil and the problem of divine hiddenness. (The problem of evil is the problem of reconciling God’s existence with the presence and severity of suffering in the world, and the problem of divine hiddenness is the issue of understanding why God would provide so few clear and dramatic signs of his presence.) Although no prior mathematical knowledge will be presupposed, as part of the process of understanding the arguments students will also be expected to master some basics of probability theory. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and THE 154
Attributes: Faith-Reason Course (New GEP)
PHL 365 Christianity and Evidence (3 credits)
This course will investigate several topics surrounding Christianity and evidence. The course is divided into two sections. The first is an exploration of the question of whether we have good evidence for Christianity. Included in this first unit will be a discussion of both scriptural evidence and the evidence provided by purported miracles in the modern world. The second section will examine the relationship between belief and evidence, in an attempt to understand whether Christian belief (and religious belief more generally) should be based on evidence in the same way as many other kinds of beliefs. Satisfies Signature core course requirement in Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP)

PHL 366 Violence and Non Violence (3 credits)

PHL 367 Postmodernism & Religious Faith (3 credits)

PHL 370 Special Topics in Philosophy (3 credits)

PHL 395 Junior Seminar (3 credits)

PHL 401 Ancient Philosophy (3 credits)
What is the nature of ultimate reality? What standards must our beliefs meet if they are to qualify as knowledge? Is the soul distinct from the body, and what sort of trait is virtue? These are among the most basic questions of philosophy, and they took shape originally in the ancient world of Greece and Rome. This class provides a critical survey of the questions and possible answers provided by the founders of the western philosophical tradition. Philosophers discussed include the Presocratics, Socrates, Plato, Aristotle, the Stoics.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ancient Studies Course, Undergraduate

PHL 402 Plato and Aristotle (3 credits)
A focused examination of the major ethical, metaphysical, and political theories of Plato and Aristotle. The class will cover the ideas of these two philosophers on such topics as the nature of virtue, the soul, change in the physical world, substance, the best political regime, and the relation between political activity and philosophy.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ancient Studies Course, Undergraduate

PHL 404 Love & Friendship in Ancnt Wrld (3 credits)
This course explores a number of descriptions of love and friendship found in works of literature and philosophy from ancient Greece and Rome. Two topics in particular will be studied in these words on love and friendship. The first is the connection between friendship, justice, and politics that is asserted in a number of ancient works. The second is the presentation of erotic love as a form of divine madness that can be both dangerous and beneficial. Some authors to be read include Sophocles, Euripides, Plato, Aristotle, Cicero, and Catullus. This course may be taken to satisfy the GEP variable course requirement in the Philosophical Anthropology area.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Ancient Studies Course, Philosoph Anthropol (New GEP), Undergraduate

PHL 408 Augustine, Politics, Self (3 credits)
Fifteen centuries after his death, Augustine of Hippo (354-430) remains one of the most influential figures in the western philosophical tradition. As a philosopher and rhetorician who later became a Christian bishop, Augustine did a great deal of thinking and writing about social and political questions. What is the place of the individual in society? What does it mean to be a Christian and a citizen? How is politics related to the common good of society? How should we think about issues like justice, war, and peace? This course will examine these themes and others as they appear in two of Augustine’s major works, the Confessions and the City of God, as well as some shorter letters concerned with social and political questions. Coming to understand more fully the historical context of Augustine’s work will be one of the goals of the course, but no prior knowledge of his life and times is required. This course may be taken to satisfy the Philosophical Anthropology requirement of the GEP.
Prerequisites: PHL 154 or PHL 1031
Attributes: European Studies Course, Philosoph Anthropol (New GEP), Undergraduate

PHL 410 Medieval Philosophy (3 credits)
An introduction to medieval philosophy through a study of its most important thinkers (e.g., Augustine, Boethius, Anselm, Aquinas) and its central questions (e.g., the existence and nature of God, the problem of evil, the compatibility of human freedom and divine foreknowledge, the limitations of human reason, the immortality of the soul, happiness, virtue, natural law).
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 412 The Philosophy of Aquinas (3 credits)
A close examination of Thomas Aquinas’s writings on topics such as proofs for the existence of God, the nature of God, creation, providence, the relation of body and soul, immortality of the soul, human knowing, happiness, virtue, natural law
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 420 Early Modern Philosophy (3 credits)
A critical analysis of the rationalist and empiricist movements of the 17th and 18th centuries. Emphasis will be placed on the epistemological and metaphysical theories of the following thinkers: Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 422 Nietzsche, Wagner & 19th Century (3 credits)

PHL 428 The Enlightenment & Its Critics (3 credits)
This course provides a survey of the “critical tradition” in philosophy – a tradition seeking to ascertain the nature and limits of human reason in the hopes of moving toward social and cultural progress. The course will begin with the critical tradition’s roots in the thinkers of the French and German Enlightenments of the 18th century, continue with three of the Enlightenment’s major critics – Marx, Nietzsche, and Freud – and culminate in the critical social theories of the Frankfurt School and Michel Foucault in the 20th century. In the end, the course will consider the tenability of the Enlightenment project and its hopes for the future as well as the status of critical social theory today.
Prerequisites: PHL 154 or PHL 1031
Attributes: European Studies Course, Philosoph Anthropol (New GEP), Undergraduate
PHL 430 Philosophy of Kant (3 credits)
In this course we shall pursue a close study and critical assessment of Kant's highly original theory of transcendental idealism as it is presented in his seminal work, the Critique of Pure Reason. Specific topics will include, but are not limited to, the nature of human reason, the nature of experience, the possibility of synthetic a priori knowledge, the relation between mind and world, the limits of human knowledge, transcendental idealism vs. transcendental realism, varieties of skepticism and responses to them, self-knowledge, the problem of free will, and philosophical method. We shall begin the course by sketching some of the problems that Kant inherited from early modern philosophy and to which he is responding.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 432 German Idealism (3 credits)
In this course we shall explore the views of the major thinkers of the German idealist period—namely, Kant, Fichte, Schelling, and Hegel—with respect to such topics as the nature of human reason, knowledge and the self, the relation between mind and world, the unconditioned, freedom and morality, the nature and role of art, God and religion, and reason in history. We shall begin the course by sketching the philosophical context and a set of problems that helped motivate the movement as a whole. Some attention may also be paid to some of the lesser-known figures of the period, such as Reinhold, Jacobi, and Maimon.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: European Studies Course, Undergraduate

PHL 434 Existentialism (3 credits)
A study of the Existentialist movement, from its 19th century origins in Kierkegaard and Nietzsche and the Phenomenology of Husserl to its most prominent 20th century representatives, including Heidegger, Jaspers, Sartre and Camus.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: European Studies Course, Undergraduate

PHL 436 French Existentialism (3 credits)
PHL 438 Kierkegaard, Mozart & Desire (3 credits)
Using Kierkegaard’s famous analysis of desire as presented in Mozart operas as a point of departure, the course will survey the analysis and theories of desire in Western thought from Plato to Freud and contemporary psychoanalytic theory.
Prerequisites: PHL 154
Attributes: European Studies Course, Undergraduate

PHL 440 Phenomenology (3 credits)
A study of the philosophical background, methods, and results of the phenomenological movement in 20th century European thought. After examining a cluster of philosophical problems that gave rise to the movement, we shall focus mainly, though not exclusively, on the work of Husserl, Heidegger, and Sartre. In addition to our study of philosophical method, we shall explore phenomenological accounts of various matters such as consciousness, perception, hermeneutics, the existential nature of human beings, transcendence, self-deception, and otherness.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 442 Nietzsche, Wagner, Cult of Genius (3 credits)
An examination of the in/famous new philosophical term "genius" in the 19th century, from its origins to its emergence as a philosophical category. What does it mean for a human being to be recognized as a genius? Or to aspire to be a genius? By the mid-19th century, the controversial musical genius Wagner was highly influenced in his work by the works of Schopenhauer. He in turn influenced Nietzsche who subsequently turned violently anti-Wagner and postulated the term "Uebermensch", for a new kind of philosophical genius for the late 19th century.
Prerequisites: PHL 154
Attributes: Philosoph Anthropol (New GEP), Undergraduate

PHL 446 Feminist Epistemology (3 credits)
Feminist challenges to traditional ways of thinking in epistemology, philosophy of science, metaphysics and ethics. Examination of feminist criticisms regarding: the nature and justification of knowledge; dominant conceptions of rationality and objectivity; various dualistic ontologies; and prevailing conceptions of the self. Consideration of possible gender-bias in traditional philosophical methods.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 450 American Philosophy (3 credits)
Philosophy in the American context: the "American experience", historical and contemporary; philosophical concerns that arise in that context; the classical American philosophers—Edwards, Peirce, James, Royce, Dewey, and Whitehead. Central concerns: the meaning of experience; scientific inquiry as a model of knowing; the meaning of religion and religious experience; the problems of value (moral and aesthetic); the problem of community.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 461 Contemporary Thomism (3 credits)
St. Thomas Aquinas, one of the greatest philosopher-theologians of the Middle Ages, employed both faith and reason to conceive a remarkably comprehensive and nuanced understanding of reality. Recently, some philosophers have been returning to the works of Aquinas and attempting to transpose his vision to meet the distinctive intellectual challenges of our own quite different age. After providing an introduction to Aquinas’ thought, this course will examine in depth the writings of one or more contemporary Thomists (e.g., Bernard Lonergan, Jacques Maritain, Etienne Gilson, Karl Rahner, Pierre Rousselet, Joseph Marechal, Josef Pieper).
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 463 French Existentialism (3 credits)
PHL 470 Special Topics in Philosophy (3 credits)
PHL 471 Problems in the Theory of Know (3 credits)
A critical examination of key problems in contemporary epistemology. Problems relating to the analysis of knowledge and justification will be examined. Topics may include: knowledge and warrant; knowledge closure; skepticism of various forms; foundationalism, coherentism, reliabilism, contextualism; virtue epistemology; internalism and externalism; the role of formal (probabilistic) models in epistemology.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate
PHL 473 Philosophy of Mind (3 credits)
A critical examination of metaphysical and epistemological issues in the contemporary philosophy of mind. These issues include the problem of reductionism, the problems of intentionality and mental representation, personal identity, conceptual foundations of psychology, and the possibility of artificial minds.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 474 Language and Thought (3 credits)
Rene Descartes held a view called "mind-body dualism," according to which human persons are fundamentally thinking substances that are somehow causally linked to particular physical substances: bodies. One of his reasons for holding this view was that he believed that the human faculty of language could never, even in principle, be adequately explained by any purely physical description of things. Language, as he saw it, is evidence of mind, and indeed he believed that where language is absent, mind is also absent. Creatures without language are, in Descartes' view, mindless organic automata. Few today would defend Descartes' view in all details, but the general sense that language is an important "mark of the mental" has not gone away. Instead, it has given rise to a cluster of narrower but interesting and important questions: Are certain kinds of mental states impossible without language? Does the specific language that we speak influence our thoughts in some way? Do our innate tendencies of thought force our languages to take certain forms?
Prerequisites: PHL 154
Attributes: Undergraduate

PHL 475 Language and Meaning (3 credits)
This course examines the core issues in the philosophy of language, including the nature of meaning, problems of reference, and the relation between language and thought. Further issues include the status of propositions, the problem of whether linguistic competence implies innate knowledge of some sort, the nature of metaphor, the private language problem, the indeterminacy of translation and language as symbolic capital.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 476 The Work of Daniel Dennett (3 credits)
Daniel Dennett is one of the most influential living philosophers. A protégé of Gilbert Ryle, Dennett has had an impact that goes beyond the disciplinary boundaries of philosophy, making him one of the few contemporary philosophers whose name and work are well known to the general educated public. The heart of Dennett's work is in the philosophy of mind, where he defends an eliminative version of functionalism, arguing that many terms that philosophers argue with, and about, have little or no meaning. Such terms include "consciousness," "qualia," and "mental representation." In addition, Dennett has tried to show how his specifically philosophical views on the mind can shed light on questions in comparative psychology, ethology, and other sciences. He has also written a well-received book on Darwinism, arguing that Darwinian theory is a "universal acid" that, correctly understood, dissolves many longstanding problems and superstitions. This course will survey Dennett's body of work, and the responses of his critics, on a wide range of topics.
Prerequisites: PHL 154
Attributes: Undergraduate

PHL 481 Analytic Philosophy (3 credits)
An introduction to the language-oriented way of approaching philosophical issues that is widely practiced in English-speaking countries and, increasingly, elsewhere. The course will focus on a major concern of this philosophical tradition: questions concerning the nature of language itself. What makes a series of sounds or inscriptions "meaningful" and able to effect interpersonal communication? Must language "represent" the world in order to be meaningful? Does failure to grasp the underlying logic of our language lead to philosophical confusion?
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate

PHL 493 Independent Research in Phil (3 credits)
PHL 494 Independent Research in Phil (3 credits)
PHL 495 Senior Seminar (3 credits)
Readings, research, and discussion concerning a common theme; a paper is required. Senior majors; minors with chair's permission. Does not fulfill the philosophy GEP.
Prerequisites: PHL 1031 or PHL 1035 or PHL 154
Attributes: Undergraduate
PHYSICS (PHY)

PHY 101 General Physics I (3 credits)
This two-semester sequence is an algebra-based physics course intended primarily for students majoring in biological and health sciences. Emphasis is on understanding fundamental principles and applying them to the analysis of physical phenomena, with several applications that arise in biology. Topics include classical kinematics and dynamics, fluids, waves, optics, electricity and magnetism, and optics. Co-requisites: PHY 101L for PHY 101; PHY 102L for PHY 102. PHY 101 is prerequisite to PHY 102.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 101L General Physics Laboratory I (1 credit)
A two-semester laboratory sequence to accompany PHY 101-102. Co-requisites: PHY 101 for PHY 101L; PHY 102 for PHY 102L.
Attributes: GEP Natural Science, Undergraduate

PHY 102 General Physics II (3 credits)
This two-semester sequence is an algebra-based physics course intended primarily for students majoring in biological and health sciences. Emphasis is on understanding fundamental principles and applying them to the analysis of physical phenomena, with several applications that arise in biology. Topics include classical kinematics and dynamics, fluids, waves, optics, electricity and magnetism, and optics. Co-requisites: PHY 101L for PHY 101; PHY 102L for PHY 102. PHY 101 is prerequisite to PHY 102.
Prerequisites: PHY 101
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 102L General Physics Laboratory II (1 credit)
A two-semester laboratory sequence to accompany PHY 101-102. Co-requisites: PHY 101 for PHY 101L; PHY 102 for PHY 102L.
Attributes: GEP Natural Science, Undergraduate

PHY 105 University Physics I (3 credits)
This two-semester sequence is a calculus-based physics course intended primarily for students majoring in physics, chemistry, mathematics, or computer science. Emphasis is on developing both qualitative and quantitative understanding of fundamental physical principles, and the ability to apply those principles to analyze physical phenomena. Topics include classical kinematics and dynamics, electricity and magnetism, waves, and optics. Co-requisites: PHY 105L for PHY 105; PHY 106L for PHY 106. First-semester calculus is co-requisite for PHY 105. PHY 105 is prerequisite to PHY 106.
Prerequisites: PHY 105 (or PHY 1055) or PHY 105
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 105L University Physics Lab I (1 credit)
A two-semester laboratory sequence to accompany PHY 105-106. Co-requisites: PHY 105 for PHY 105L; PHY 106 for PHY 106L.
Prerequisites: PHY 105 (may be taken concurrently)
Attributes: GEP Natural Science, Undergraduate

PHY 106 University Physics II (3 credits)
This two-semester sequence is a calculus-based physics course intended primarily for students majoring in physics, chemistry, mathematics, or computer science. Emphasis is on developing both qualitative and quantitative understanding of fundamental physical principles, and the ability to apply those principles to analyze physical phenomena. Topics include classical kinematics and dynamics, electricity and magnetism, waves, and optics. Co-requisites: PHY 105L for PHY 105; PHY 106L for PHY 106. First-semester calculus is co-requisite for PHY 105. PHY 105 is prerequisite to PHY 106.
Prerequisites: (PHY 1051 or PHY 1055) or PHY 105
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 106L University Physics Lab II (1 credit)
A two-semester laboratory sequence to accompany PHY 105-106. Co-requisites: PHY 105 for PHY 105L; PHY 106 for PHY 106L.
Attributes: Undergraduate

PHY 110 Understanding Natural World (3 credits)
This course offers the non-science major an opportunity to explore how physics impacts everyday life. Topics will vary depending upon the interests of the class, but may include: the physics of sports, why musical instruments sound different from each other, rainbows and other optical phenomena, the physics of toys, Einstein’s theory of relativity, and how a laser works. Although mathematics will not be the focus of the course, a working knowledge of algebra, geometry, and simple trigonometry is necessary. Emphasis is placed on developing critical thinking and scientific observation skills. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science, Undergraduate

PHY 111 The Astronomical Universe (3 credits)
In this course designed for the non-science major, the student is introduced to modern astronomical knowledge and theories. The planets, stars, and galaxies are investigated. Space exploration is discussed. Minimal mathematics is used and no previous science is required. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science

PHY 112 Energy: Problems & Promises (3 credits)
The goal of this course is to teach the student how to read, analyze, and intelligently comment on news articles about energy and the environment. The physics is straightforward and requires no more than basic business mathematics. Topics include: fossil fuels, large scale renewables, small scale renewables, nuclear power, megawatt accounting for conservation, transportation, and emissions control. The course emphasizes how real data shapes economics and policy, so the exact content will vary with current events. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science
PHY 113 Exploring the Physical World (4 credits)
In this lab-based course, students build up the basic principles of geometrical optics, electricity, thermodynamics, and/or classical mechanics by carrying out guided experiments and interpreting their results. Mathematics, at the level of geometry and simple algebra, is introduced when and as it is needed. Successful completion of this course and lab satisfies the Natural Science requirement for students under the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 113L Exploring the Phys World Lab (0 credits)

PHY 114 Tech Breakthroughs of 20th Cen (3 credits)
This course will explore a smorgasbord of major technological advances that occurred during the 20th century. Many of these developments occurred as a result of the historical, political, and economic factors that shaped much of the landscape of the previous century. The scientific achievements will be discussed in the historical context upon which they occurred paying particular emphasis on the interesting personalities that were responsible for many of the discoveries. Successful completion of this course satisfies one of the Natural Science requirements in the GEP.
Attributes: GEP Natural Science

PHY 115 Investigations in Astronomy (4 credits)
This course, designed for the non-science major, provides an introduction to the science of astronomy. Topics include the roles of observation, theory, philosophy, and technology in the development of the modern conception of the Universe. The Copernican Revolution, the birth and death of stars, our Milky Way galaxy, time, and our ancestral heritage in the cosmos will be discussed and explored. No previous science, nor mathematics beyond the level of high school algebra, is required. Successful completion of this course and lab satisfies the Natural Science requirement for students under the GEP.
Restrictions: Students cannot enroll who have a major in Biology, Chemistry, Chemical Biology, Environmental Science or Physics.
Attributes: GEP Natural Science, Science Course w/Lab (Sci Maj), Undergraduate

PHY 115L Investigatgs in Astronomy Lab (0 credits)

PHY 150 Context in Scientific Disc (3 credits)

PHY 209 Tech Breakthroughs 20th Centrty (3 credits)

PHY 211 Meterology (3 credits)

PHY 211 Modern Physics I (4 credits)
An analytical survey of the experiments, theories, and principles that led to the modern view of physical reality. Topics include: an introduction to special relativity theory, the dual nature of waves and particles, uncertainty relations, Bohr theory of hydrogen, fundamental aspects of quantum mechanics, the quantum theory of the hydrogen atom, and, if time permits, many-electron atoms. Prerequisite: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 252 Modern Physics II (4 credits)
An extension of PHY 251 to include specific applications of the quantum theory. Topics include: structure and spectra of many-electron atoms and molecules, classical and quantum statistics, theory of solids, nuclear structure and dynamics, and an introduction to elementary particles. Prerequisite: PHY 251.
Prerequisites: PHY 251
Attributes: Undergraduate

PHY 253 Survey of Nanotechnology (3 credits)
Nanotechnology embraces the disciplines of applied physics, materials science, supramolecular chemistry, and biological engineering to name a few. An overview of this highly interdisciplinary field will be given with a focus on the role of physics principles that guides this technology and on the new and exotic materials used. Prerequisites: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 255 Linear Systems in Physics (3 credits)
An introduction to advanced mathematical topics in the context of elementary systems in physics. Techniques and methods are emphasized. Formal proofs are discussed when they help elucidate the techniques and methods under study. Topics include: applications of series and sequences, power series, complex numbers and identities, first- and second-order differential equations, waves and Fourier analysis, Fourier and Laplace transforms, fundamentals of linear algebra and the eigenvalue problem, and vector calculus. Prerequisites: MAT 162 and PHY 106.
Prerequisites: MAT 162 and PHY 106
Attributes: Undergraduate

PHY 257 Mathematical Methods in Physcs (3 credits)
Advanced mathematical methods for physics: includes linear vector spaces, orthogonal functions, partial differential equations, complex variables, and transform techniques. Emphasis is on application of these mathematical techniques in solving problems in physics. Prerequisites: PHY 106 or permission of the Department of Physics Chair.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 261 Electronics I (4 credits)
Course objective is to develop skills necessary to employ modern digital and analog electronics technology in the sciences. It will cover: introductory DC/AC circuit analysis, active and passive electronic devices and measurements, operational amplifiers, logic elements, and an introduction to digital electronics and circuits. Two 3-hour lecture/labatory periods. Prerequisite: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 262 Electronics II (4 credits)
Will further develop the concepts introduced in Electronics I to include an understanding of microprocessors and microcomputers, signal processing and electronic data acquisition, and communications systems that employ digital and analog techniques. Two 3-hour lecture/laboratory periods. Prerequisite: PHY 261.
Prerequisites: PHY 1151 or PHY 261
Attributes: Undergraduate

PHY 301 Classical Mechanics (4 credits)
Newtonian particle dynamics is presented with special emphasis on damped and forced simple harmonic motion and central-force motion. Generalized coordinates are introduced, and both Lagrange’s formulation and Hamilton’s formulation of classical mechanics are developed. Prerequisites: PHY 106.
Prerequisites: PHY 106
Attributes: Undergraduate

PHY 303 Thermal Physics (3 credits)
The laws of thermodynamics are introduced and studied in the classical manner and the statistical mechanical foundations of thermodynamics are developed, including quantum statistics. Prerequisite: PHY 251.
Prerequisites: PHY 251
Attributes: Undergraduate
PHY 307 Electricity and Magnetism (4 credits)
The classical (non-quantum) theory of electric and magnetic fields and charge interactions is presented. The appropriate tools of vector analysis are developed as they are needed. The Maxwell equations in both differential and integral form are introduced. Prerequisites: PHY 106, PHY 257
Prerequisites: PHY 106 and PHY 257
Attributes: Undergraduate

PHY 308 Waves and Optics (4 credits)
The study of electromagnetic waves and their associated boundary-value problems. Other topics include a brief analysis of geometrical optics, and detailed study of interference, diffraction, and polarization phenomena associated with electromagnetic waves. Prerequisites: PHY 106, PHY 257
Prerequisites: PHY 106 and PHY 257
Attributes: Undergraduate

PHY 311 Experimental Methods of Phy I (3 credits)
Laboratory intensive with some lecture. A broad exposure to instrumentation and techniques of experimental physics. Focus on electromagnetism, electronics, optics, and fundamental ideas from modern physics. Emphasis placed on written and oral communication skills and team work. One four-hour laboratory meeting per week. Prerequisite: PHY 251.
Prerequisites: PHY 251
Attributes: Undergraduate

PHY 312 Experimental Methods of Phy II (3 credits)
Extends the laboratory work begun in PHY 311. Focus on atomic, molecular, solid-state, and nuclear physics. Greater reliance on independent work by the student. One four-hour laboratory meeting per week. Prerequisite: PHY 311.
Prerequisites: PHY 2072 or PHY 311
Attributes: Undergraduate

PHY 321 Quantum Mechanics I (4 credits)
The Schrodinger formulation of quantum theory is developed with its constructs of wave packets, differential operators, and eigenvalue equations. Special emphasis is given to the quantum theory of measurement. Applications include various one-dimensional problems, central potentials and angular momenta. The transition to the matrix formulation of quantum theory is developed. Prerequisites: PHY 251, MAT 213.
Prerequisites: PHY 251 and MAT 213
Attributes: Undergraduate

PHY 390 Physics Seminar (0 credits)
Topics and agenda may include outside speakers, local speakers, and discussion of special topics in physics and related areas. Physics majors are required to attend each semester. Physics minors are also encouraged to attend. Graded on a P/NP basis.
Attributes: Undergraduate

PHY 401 Advanced Mechanics (3 credits)
This course will further develop the Lagrangian and Hamiltonian formulations of classical mechanics. Additional emphasis will be given to such topics as: collision theory, noninertial reference frames, nonlinear mechanics and chaos, continuum mechanics, and topics in special relativity. Prerequisite: PHY 301.
Prerequisites: PHY 301
Attributes: Undergraduate

PHY 403 Quantum Mechanics II (3 credits)
A continuation of the development of quantum theory started in PHY 321. Topics to include: identical particles including fundamental molecular quantum theory, time-independent and time dependent perturbation theory, the WKB and adiabatic approximations, scattering, and an introduction to field theory. Prerequisite: PHY 321.
Prerequisites: PHY 321
Attributes: Undergraduate

PHY 405 Solid State Physics (3 credits)
A study of matter in its solid state. Topics include crystal structure, electrical conduction in metals and semiconductors, dielectrics, magnetic materials, and superconductivity. Includes applications to solid-state devices. Prerequisites: PHY 251, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 407 Soft Condensed Matter Physics (3 credits)
This course will study the physics of materials such as fluids, liquid crystal, polymers (including biological polymers such as proteins and DNA), colloids, emulsions, foams, gels, and granular materials. Prerequisites: PHY 251, PHY 252, PHY 257, or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257 and PHY 252
Attributes: Undergraduate

PHY 409 Statistical Mechanics (3 credits)
Topics include ensembles and distribution functions, quantum statistics, Bose-Einstein and Fermi-Dirac statistics, and partition functions. Prerequisites: PHY 251, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 411 Nuclear Physics (3 credits)
The phenomena of natural and artificial radioactivity are investigated. Various models of nuclear structure are introduced and examined. Nuclear reactions are studied with emphasis upon fission and fusion. Some of the apparatus of nuclear physics, such as particle accelerators and radiation detection devices, is analyzed. Prerequisites: PHY 251, MAT 213, or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 413 Materials of Electronics (3 credits)
This course will focus on the materials used to conduct electrical charge and spin and hence information from one region in space and time to another. Conduction processes in metals, traditional semiconductors, and in organic conducting and semi-conducting materials will be explored with a particular emphasis on the underlying physics principles employed. Prerequisites: PHY 251, PHY 252, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 252 and PHY 257
Attributes: Undergraduate

PHY 415 Computational Physics (3 credits)
Introduction to problem solving in physics using mathematical modeling, numerical methods, computer simulations and the fundamentals of programming. Topics may include: numerical solutions of Laplace and Poisson equations for electrostatic boundary-value problems, Monte Carlo simulation techniques, chaos theory. Prerequisites: PHY 106, MAT 213 or permission of the Physics Department Chair.
Prerequisites: PHY 106 and MAT 213
Attributes: Undergraduate
PHY 417 Astrophysics (3 credits)
Application of the principles of classical and modern physics to astronomical phenomena. Topics include the acquisition and analysis of primary astronomical data; stellar energy production, structure, and evolution, including red giants, white dwarfs, neutron stars, and black holes; galactic structure and evolution; and cosmology. Prerequisites: PHY 251, PHY 257, or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 419 Biophysics (3 credits)
Application of physics to biological systems. Topics include: molecular biomechanics, fluids, interaction of photons and charged particles with matter, transport phenomena, electrical properties of membranes and nerves, Fourier techniques and signal analysis, image reconstruction, fundamentals of radiology, and health physics issues. Prerequisites: PHY 251, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 251 and PHY 257
Attributes: Undergraduate

PHY 421 Physics of Fluids (3 credits)
The mechanics of continuous media, including balance laws for mass and momentum. Hydrostatic equilibrium, compressible and incompressible flow, vorticity and circulation. Pressure and shear, viscosity, and an introduction to Newtonian and non-Newtonian fluids. Applications may include geophysical flows. Prerequisites: PHY 106, PHY 257 or permission of the Physics Department Chair.
Prerequisites: PHY 106 and PHY 257
Attributes: Undergraduate

PHY 423 Biomechanics (4 credits)

PHY 423L BioMechanics Lab (0 credits)

PHY 470 Adv Special Topics in Physics (3 credits)
The topics to be discussed are decided upon by agreement between students and teacher. This sequence is designed for Honors and other qualified students.
Attributes: Undergraduate

PHY 492 Internship in Physics (3 credits)

PHY 493 Research Project in Physics (2-4 credits)
Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research Project (6 credits) Must be elected in junior year to allow adequate research time.
Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register.
Attributes: Undergraduate

PHY 494 Research Project in Physics (2-4 credits)
Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair and Associate Dean in order to register. Honors Research Project (6 credits) Must be elected in junior year to allow adequate research time.
Students need to complete the application form for independent study (available in the Dean's Office) and have the approval of the department chair, Associate Dean and the Honors Program Director in order to register.
Attributes: Undergraduate
POLITICAL SCIENCE (POL)

POL 101 Intro Amer Govt & Pol (Fr Sem) (3 credits)

POL 103 Intro:Comparative Pol (Fr Sem) (3 credits)

POL 105 Intro:Internatnl Pol (Fr Sem) (3 credits)

POL 107 Intro:Polit Thought (Fr Sem) (3 credits)

POL 111 Intro to American Politics (3 credits)
This course is an introduction to American political processes and institutions. The goal of this course is to acquaint the student with the theory and practice of American government. Students will learn about the basic structure, function, and dynamics of American government and the political system within the context of the major political issues of our time. Beyond studying the institutional structures and activities of government, we will also evaluate the relationships between individuals, groups, and institutions in terms of influence, process, and outputs in various domains. Depending on instructor, satisfies the Diversity overlay requirement.
Attributes: GEP Social Science, Undergraduate

POL 113 Intro to Comparative Politics (3 credits)
An introduction to the study of comparative political systems, this course focuses attention on the institutions and political cultures of select countries from different world regions. While exploring the varieties of democracy and authoritarianism, as well as the complexity of democratizing today, this course also introduces students to the comparative method. Satisfies the Globalization overlay requirement.
Attributes: GEP Social Science, Globalization Course (New GEP), International Relations Course, Undergraduate

POL 115 Introduction to Global Politics (3 credits)
This course is an introductory survey of the major approaches (Realism, Liberalism, and Constructivism), interpretations and problems in the field of Global Politics, with a heavy emphasis on current events. Topics include security (war, peace, terrorism), international political economy (hegemony, development, globalization), and trans boundary issues (migration, human rights). Satisfies the Globalization overlay requirement.
Attributes: GEP Social Science, Globalization Course (New GEP), International Relations Course, Undergraduate

POL 117 Intro to Political Thought (3 credits)
When is it justified to overthrow a tyrant? Do men and women have different virtues? Are markets just? Political theorists ask questions about justice, equality, law, property, community, and duty. This course examines questions that affect today’s political world by examining the foundations of political thought - Plato, Aristotle, Aquinas, Machiavelli, Hobbes, Locke, Adam Smith, Madison, Rousseau, Marx – as well as contemporary theorists such as Foucault, and feminist Wendy Brown.
Attributes: Undergraduate

POL 122 Law and Public Policy (3 credits)

POL 150 First-Year Seminar (3 credits)

POL 170 Special Topics: Political Sci (3 credits)
Depending on the instructor, this courses will focus on a particular topic of interest in Political Science and Politics (e.g., The Presidential Election, The Arab Spring, Guns and the Supreme Court). Does not count for major credit.
Attributes: Undergraduate

POL 191 Washington Leadership Seminar (3 credits)
Students who attend The Washington Center (TWC) take a leadership seminar through TWC. This course is an elective; it does not count for POL major or minor credit.

POL 192 Washington Internship (3 credits)
Students who attend The Washington Center (TWC) for a normal academic semester (fall or spring) perform a 30-35 hour a week internship. The Department grants students two upper division courses (6 credits) for the internship (see POL 411-412 below) and also this third elective course for these internship hours. This course is an elective; it does not count for POL major or minor credit.

POL 193 Washington Center Elective (3 credits)
Students who attend The Washington Center (TWC) take one evening course at the Center in addition to performing their internship and participating in the leadership seminar. If this course is in Political Science, we transfer it back as POL 193. This course is an elective; it does not count for major or minor POL credit. Students may take a course in another discipline to count for minor or double major credit, according to that Department’s/Program’s rules.

POL 201 Soph Sem:Law and Social Change (3 credits)
What are the advantages and limits of using the law to affect social change? We use cases and case studies to examine the relationship between law and society. This course focuses on problems of implementation, the actual benefits received by affected parties, and the relationship between the federal government, the states, and public opinion. Case studies include: school integration, abortion, pay equity, death penalty, and single-sex unions. This course features a moot court and is for POL majors only (with special exceptions for minors). Majors typically take this class (or its sibling – POL 231) during their spring sophomore semester. Pre- or concurrent requisites: POL 111 or 117. Satisfies the Writing Intensive overlay requirement and is an approved American Studies and Justice and Ethics in the Law course.
Prerequisites: POL 111 (may be taken concurrently) and ENG 101
Restrictions: Students cannot enroll who have a major in International Relations.
Attributes: GEP Social Science, Undergraduate, Writing Intensive Course-GEP

POL 231 Soph Sem: 1989/2011 (3 credits)
Students will study two years of enormous upheaval – 1989 and 2011 with a focus on their aftermaths – to understand political transformation as a process. In addition to this substantive focus, students will also learn about the logic and methods of social science inquiry and how to write a research paper for Political Science (and International Relations). Pre- or concurrent requisites: POL 113. Satisfies the Writing Intensive overlay requirement.
Prerequisites: ENG 101 and (POL 111 and POL 113) or (POL 111 and POL 115) or (POL 111 and POL 117) or (POL 113 and POL 115) or (POL 113 and POL 117) or (POL 115 and POL 117)
Restrictions: Enrollment is limited to students with a major in International Relations or Political Science.
Attributes: GEP Social Science, International Relations Course, Undergraduate, Writing Intensive Course-GEP

POL 270 Special Topics (3 credits)
Depending on the instructor, these courses will focus on a particular topic of interest in Political Science and Politics (e.g., The Presidential Election, The Arab Spring, Guns and the Supreme Court). Students may take only two POLs 270 and/or 370 courses for major or minor credit.
Attributes: GEP Social Science
POL 301 Law and Social Change (3 credits)
Brown v. Board of Education is heralded as a great success. A disenfranchised minority turned to the courts when the legislature and executive failed to respond. To what extent has this approach been successful? Since Brown, other, groups have turned to the courts as an authority when they believe they are disadvantaged by the larger political system. Should the courts play a role in social change? What should it look like? Case studies will include: school integration in the 1960s, birth control and abortion, gun rights, capital punishment or juvenile life without parole, and marriage equality. Satisfies the Writing Intensive overlay requirement. This is an American Studies and an approved Justice and Ethics in the Law course.
Attributes: Undergraduate

POL 302 Machiavelli – the first political realist – challenged the world to look at politics "as it is" rather than "as it ought to be." He asserted that rulers needed virtue – literally "manliness" – rather than Christian virtue or morality. This course investigates how Machiavelli's ideas challenged (and threatened) those of the Reformation and the Jesuits – and affected democratic and liberal theorists as they sought to reinvent the world. The course examines the political thought of Hobbes, Locke, Rousseau Wollstonecraft, Mill, Marx, and Rawls – as well as 20th and 21st century writers who continue to debate the nature of politics, gender, and political leadership. It includes a simulation of Rousseau's General Will and Rawls's Original position.
Attributes: Undergraduate

POL 303 American Political Thought (3 credits)
Why did Ben Franklin say that the Swedes were "blackening" the colonies? Why did Lincoln change his mind about slavery? The course examines classic texts (for example, the American Revolution, the constitutional convention, Lincoln-Douglas debates) by linking them to other important intellectual and political movements in American thought (for example, white —women's suffrage, the 20th century civil rights movements). The course examines the changing political vocabulary in American politics – and the expansion of rights to men, laborers, women, racial minorities, and LGBT people. This is an American Studies course.
Attributes: GEP Social Science, Undergraduate

POL 304 Politics, Ideology, & Film (3 credits)
How do ideologies – bodies of thought – affect individuals, social movements, nations, institutions, and groups? This course examines ideologies like fascism, communism, racism, colonialism, capitalism. We use films and primary documents from Europe, Asia, Latin America, Russia, and the United States to place each ideology in historical, political, and/or economic context. Students are expected to master the complexities of the ideologies in historical context as well as evaluate ideologies that have shaped national and international politics in the twentieth and twenty-first centuries. Classic articles in the social sciences and humanities help students explore popular responsibility for the actions of a leader (are the German people responsible for Hitler's atrocities?), torture (is it ever ethical to torture someone for information?), and capital punishment (are there conditions when it is acceptable for the state to end a life?). Pre-requisite: PHL 154. Satisfies the Ethics Intensive overlay requirement. This is a Political Science and an International Relations course.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), GEP Social Science, International Relations Course, Undergraduate

POL 305 American Political Institution (3 credits)
In this course, students will study some of the most important claims, findings, and readings in the field of American political institutions, policy, and politics. Paying particular attention to the key scholarly questions, debates, and research on the major institutional actors in American politics, students will study a range of topics and analyze specific institutions in American politics such as the branches of government, the bureaucracy, political parties, the media, and interest groups. Along with learning about the important theoretical and empirical questions that guide the study of American institutions, students will also examine the ways in which the public exerts influence on, and is influenced by, these institutions. The overall goal of the course is to provide insight into how the study of political institutions broadens our understanding of politics, power, and democracy.
Attributes: Undergraduate

POL 306 Advising the Presidency (3 credits)
What makes a president "great?" What is leadership? Why do some presidents succeed and others fail? This course offers an analysis of the contemporary American Presidency with emphasis on the use of power, the role of personality, the nature of decision-making, and the relationship with the media, interest groups, and public opinion. We will investigate how presidents decide their policy priorities; what factors affect presidents' public standing; what conditions shape the president's relationship with Congress; and so on. Having carefully studied the presidency from the above perspectives, we will bring our informed insights to bear on two important questions confronting current and future presidents: race and gender. While the topic of the course is the presidency in general, the secondary goal of the class is to introduce and critically analyze how race and gender shape the ideas we have about our nation's highest office. This is traditionally offered as a Winter Intersession course and is a Gender Studies course.
Attributes: Gender Studies Course, GEP Social Science, Undergraduate

POL 307 Constitutional Politics (3 credits)
From the time the Constitution was ratified, the three branches of American government (legislative, executive, and judiciary) have competed for control over American policy and law. The Supreme Court is – on the one hand – extremely powerful because it can declare an act of either the legislature or executive unconstitutional (judicial review). Yet the Court lacks any power to enforce its decisions and it relies on the other branches to enforce its decisions (for example, President Eisenhower bringing in the military to uphold the desegregation of schools). Through the reading of cases and the viewing of documentaries, this course explores how the Supreme Court has shaped American politics for over two centuries. Topics include free speech in wartime, internment of Japanese-Americans during WWII, desegregation, abortion rights, and same-sex marriage. This is an approved American Studies and Justice and Ethics in the Law course. Not for major credit.
Attributes: GEP Social Science, Undergraduate
POL 311 Const Law: Rights & Civil Lib (3 credits)
A study of contemporary issues of civil rights and liberties in the United States through classic Supreme Court decisions. Issues include freedom of speech, press, and association, racial and gender discrimination and the issue of fundamental rights, including the right of privacy. Students read cases and learn to brief cases. The course highlight is a simulation of two Supreme Court cases. Students read and research to portray justices and attorneys in the two moot court simulations. This is an approved American Studies and Justice and Ethics in the Law course.
Prerequisites: ENG 101
Attributes: Undergraduate, Writing Intensive Course - GEP

POL 312 Social Controversy & Sup Court (3 credits)
Americans look to the Supreme Court to rule on moral and social issues like capital punishment and abortion. Why do citizens rely on nine unelected judges to define their rights in a democracy? This class analyzes how the Supreme Court has, over time, changed American law in two controversial rights: gun ownership and marriage equality. The class begins by considering the judiciary in our constitutional democracy then turns to the two case studies. The Supreme Court decided four marriage cases in June of 2015 and the course integrates these new rulings. Students will examine documents from the Founding (e.g. the Federalist Papers), read modern accounts of both gun and marriage cases, and learn to read and brief Supreme Court decisions. This is an approved American Studies and Justice and Ethics in the Law course.
Attributes: Undergraduate

POL 313 Public Policy (3 credits)
This course investigates public policymaking within the United States with an emphasis on the social construction of public policy. Students will assess the significance of social, economic, and political factors that influence policymaking and implementation; how problems become a part of the political agenda; and the major political ideological perspectives in the U.S. that impact policy process and content. The course is a study of policy in practice, as students will evaluate current social problems along with empirical social science research to determine the strengths and weaknesses as well as the intended and unintended effects of a particular social policy at the state and/or national level.
Attributes: GEP Social Science, Undergraduate

POL 314 Public Administration (3 credits)
Essentially a survey of the principles and problems of modern governmental administration, this course concentrates on the theory of administration; the making and execution of public policy; relationships among the executive, legislature, bureaucracy, and public; structure and functions of sound administrative organization; personnel, budgeting, and other special problems; controversial issues of administration in a democratic society; as well as current trends in the theory and practice of American public Administration.
Attributes: GEP Social Science, Undergraduate

POL 315 Government and Business (3 credits)

POL 316 State and Local Government (3 credits)
This course focuses on gaining an understanding of the state and local tiers in our nation’s three-tiered federal system. The organization of the course will explore the key elements of the federal system along with important characteristics of the institutional components that make up state and local government, e.g. the executive, legislative and judicial branches. The course will also examine the political forces that energize state and local governments such as voters, parties, and interest groups. The very important matter of budgeting will be addressed as well. Finally, public policy issues of particular concern to state and local governments will be assessed. To assist in understanding state and local government issues, several guest speakers will address the class and add their insights. We will conduct several focus groups during the semester to discuss relevant issues and devote some attention to polling in the current political atmosphere.
Attributes: GEP Social Science, Undergraduate

POL 317 Urban Politics (3 credits)
This course will explore urban politics in the U.S., first through an examination of the history of U.S. urban governance structures, namely machine politics and Progressive Era reform politics. As a bridge between the early era of city governance and contemporary urban life, we will examine the impact of suburbanization on the city. Our second segment will study and critique different ways of understanding urban power and governance, namely regime theory, privatism, managerialism, populism and progressivism. The third segment of the course will examine contemporary elements of the “urban crisis”, among them class, race and inequality. To highlight some of these issues, the final two weeks will be spent examining urban, public education as a policy arena where all three parts of the course will be placed in conversation.
Attributes: Undergraduate

POL 318 Pennsylvania Politics (3 credits)
This course is a study of the Commonwealth of Pennsylvania, its recent history, its politics, and the way its government is conducted. The course will have distinct, but overlapping emphases: The Political Environment: What are the political forces driving the agenda in this state? The issues: What are the issues that actually matter in this state? The Structure: How do the Governor’s Office, the General Assembly, other statewide offices, and other departments of state government actually work? To assist in learning about these matters, several experienced and knowledgeable guest speakers will address the class. In addition, at various points in the semester, the class will be formed into a focus group to discuss various issues confronting the state.
Attributes: GEP Social Science, Undergraduate

POL 319 Media & Politics (3 credits)
News media has a profound influence on U.S. politics and policy, and this course investigates the interaction among the media, politicians, and citizens, with an emphasis on the ways in which news media shape everything we “know” about politics. Through an examination of a variety of media platforms—newspapers, television, campaign advertising, and social media—we will examine the media’s roles and responsibilities in American politics and learn how citizens respond to the media’s coverage of politics, politicians, and public policy. Do the media help us fulfill our obligation to be ‘good citizens’ within our democratic community? Do politicians, the media, and our political institutions promote or obstruct our efforts to be good citizens? In this course, we will address these questions with the goal of developing a thorough understanding of the relationship between citizens, the media, and politicians in a rapidly changing media age.
Attributes: Undergraduate
POL 320 Injustice & the Law (3 credits)
Fifty years after the passage of the Civil Rights Act of 1964, which eliminated most forms of de jure discrimination, we are still witnessing the lingering effects of de facto inequality within American society. To be sure, the CRA of 1964 and its subsequent amendments eliminated the use of discriminatory practices in housing, employment, business, and education. But overcoming de facto inequality has been harder to accomplish. What explains the gap between established legal doctrine and the reality of many Americans of color? The goal of the course is for students to study the potential and limits of law as a tool for social justice, as well as the role of law in the creation and maintenance of systems of racial injustice. Primarily through the lens of race, students will examine the empirical realities of laws and policies that were ostensibly passed to overcome injustice, broadly defined, as well as the sociopolitical causes and consequences of de facto racial segregation in American society. This is an approved Justice and Ethics in the Law course.
Attributes: Africana Studies Course, Honors Course, Undergraduate

POL 321 Religion and American Politics (3 credits)
What is the relationship between religion and political life in the United States? How does religion influence major dimensions of politics, public policy, and mass participation? Should citizens and policymakers in the U.S. base their political opinions on their religious beliefs? In this course, students will investigate the place of religion in American political life and discuss how religion informs contemporary politics. The principal aim is for students to understand how religion affects politics, and vice versa, and to develop a greater understanding of the vitality and variability of religion as a factor in American public life.
Attributes: Faith Justice Course, Undergraduate

POL 322 Campaigns & Elections (3 credits)
The Campaigns and Elections course is an examination of modern American political campaigns, with a focus on the dramatic changes that have occurred in electoral politics in recent years. The course will have three distinct, but overlapping emphases: 1. The Strategic Campaign: How are campaigns carried on and managed? How should they be? What are the new technologies that have so drastically changed the nature of political campaigns? 2. Voting Behavior: what are the deep and fundamental changes that have occurred in voting behaviors and attitudes in recent years? What are the implications of these changes for the electoral process? 3. The Media and Campaigns: How do the media influence campaigns and electoral outcomes? What are the implications of the pervasive relationship between politics and the mass media? To assist in learning about the real world of politics, several guest speakers with considerable experience in political campaigns will address the class. In addition, at various points during the semester, the class will be formed into a focus group to discuss various campaign-related issues.

POL 323 Women and American Politics (3 credits)
This course is designed to provide students with a critical examination of women as political actors in the United States. We will analyze various forms of women's political participation, both in the traditional spheres of what is considered politics — women as voters and politicians — and also in more "non-traditional" spheres of political activism. We will examine how women are mobilized to participate in politics, focusing keenly on the differences among women in their political activism in an effort to understand how the intersection of gender, race, class, sexuality, age, and ability influence women's political activism. The primary goal of this course is to familiarize students with key issues, questions, and debates in the women and politics scholarship, mainly from a U.S. perspective. Students will become acquainted with many of the critical questions and concepts scholars have developed as tools for thinking about the gendered political experience. In this course you will learn to "read" and analyze gender politically, exploring how it impacts our understanding of the political world. Satisfies the Diversity overlay requirement and is a Gender Studies course.
Attributes: Diversity Course (New GEP), Gender Studies Course, GEP Social Science, Undergraduate

POL 324 Race & Ethnic Politics in U.S. (3 credits)
From its first days, the United States has faced the dilemma of how to incorporate populations different from the majority population into the polity. This dilemma continues today and appears in discussions of such issues as affirmative action, immigration and naturalization, language policy, and social welfare policy. In this course, we will examine the major theories that attempt to explain the roles of race and ethnicity in U.S. politics and the ways in which individuals use race and ethnicity as resources for political organization. We will examine the phenomenon of ethnicity and race in the political development of the United States. Finally, we will look at the political attitudes and behaviors of ethnic and racial populations in order to measure their contemporary political influence. Among the topics to be covered include the meaning of race and ethnicity, the history of racial and immigration politics, prejudice, group participation and mobilization, political representation, and public opinion. Satisfies the Diversity overlay requirement.
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

POL 325 Contemp Am Social Movements (3 credits)
Social movements are considered as one of the motivating forces behind political, social, and cultural change and are often credited for fundamentally reshaping societal institutions. This course examines the contemporary social movements that have occurred since the mid-1960s, commonly defined as the "New Social Movements" (NSMs). This course will explore several of these movements and examine where, when, why, and how the movements emerged. Students will also analyze what made certain movements more successful than others.
**POL 326 Protesting Inequality (3 credits)**

Through the lens of political science, this course examines the political causes and consequences of inequality in the United States and how citizens have responded to the empirical realities of unequal circumstances. While inequality is an economically, politically, socially, and morally complex phenomenon, this course emphasizes that inequality does not "just happen" but rather is a result of the way our society is structured. Nevertheless, citizens—agents—have protested inequality on various occasions and in many different ways. It is on these citizen protest movements that we will focus most of our attention, including, but not limited to, the "Poor People's Movements" of the 1960s, the Welfare Rights Movement in the 1990s, and the Occupy Movement of the 2010s. This is an approved Justice and Ethics in the Law course.

Attributes: Undergraduate

**POL 327 Environmental Politics in Am (3 credits)**

In order to understand today's controversies over fracking and global warming, this course examines the rise of environmentalism in America, moving from the progressive conservationism of Teddy Roosevelt through the environmentalism of Earth Day and the 1970's to the present era. The course uses recent works in political science to establish the actors in environmental decision-making and implementation as we consider federalism and state environmental policy, public opinion, interest groups, political parties, markets and free trade, the Presidency, Congress, the Bureaucracy, and the Courts. The focus of all student work is current — unresolved — policy problems at the local, state, and national levels. One of the course highlights is a policy simulation.

Attributes: Undergraduate

**POL 328 Politics of U.S. Immigration (3 credits)**

In this course, students will critically engage with the politics of immigration in the United States. While the national narrative broadly celebrates the arrival and incorporation of newcomers, these processes have been highly contested and problematic both in popular discourse and public policy since the country's founding. The question of 'who immigrates' has been, and continues to be, shaped by decisions on how to manage geopolitical and geoeconomic forces, domestic political, economic and social preferences, popular sentiment and humanitarian considerations. Furthermore, understanding how immigrants integrate in society necessarily involves examining 'difference' on a number of axes, including race and ethnicity, language and culture, religion, gender, socioeconomic and educational levels, and legal status. This course provides students with the opportunity to explore key aspects of the discourse and reality of immigration to the U.S., including the American Dream, assimilation, ethnic neighborhoods, transnationalism, borders and security by considering the values, interests and roles of actors at all levels, including civil society organizations, national and sub-national governments, communities, households and individuals in the continuous re-making of the U.S. as a nation of immigrants.

Attributes: Undergraduate

**POL 329 Suburban Govt & Problems (3 credits)**

**POL 331 Latin American Politics (3 credits)**

This course addresses the political, economic and social development of modern Latin America. It examines the transformation of traditional authority structures, efforts to promote economic development, and concerns for the consolidation of democracy, adjustment to globalization, and U.S.-Latin American relations. Satisfies the Non-Western overlay requirement and is a Latin American Studies Course.

Attributes: Faith Justice Course, International Relations Course, Latin American Studies Course, Non-Western Studies (GEP), Undergraduate

**POL 332 Politics of Japan (3 credits)**

**POL 333 Asian Democ at the Crossroads (3 credits)**

This course will examine and discuss the political dynamics and policy behaviors of three successful democracies in Northeast Asia: Japan, South Korea, and Taiwan. While all three countries are successful democracies with economic power, each country also faces a series of critical challenges in their politics, economy, and society. The global implications of their struggles are never trivial and the examination of three countries will provide us with the better grasp of contemporary global issues. The thematic focus of the course lies in the comparative analysis of each country in terms of political system, political economy, state-society relations, and foreign relations. To this end, the course will also explore the intricacies of the cultural, historical, and psychological contexts in which behavioral and policy motivations may be explained. Satisfies the Non-Western overlay requirement and is an Asian Studies course.

Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate

**POL 334 Russian Politics (3 credits)**

In 1917, the USSR was born out of the ashes of the Russian empire, and in 1991, it died. Since the Soviet Union disintegrated, Russia has struggled to develop a new national identity, a healthy economy, a well-functioning polity, an efficacious state, and a new orientation in world affairs. This course investigates the significance of the Soviet legacy for the contemporary political situation in Russia and evaluates the impact of new forces unleashed since the end of the communist era. In learning about the USSR and developments in today’s Russia, the class applies some of comparative politics’ “big concepts:” revolution, the state, the nation, federalism, totalitarianism, authoritarianism, and democracy.

Attributes: GEP Social Science, International Relations Course, Undergraduate

**POL 335 Comp Pols of MENA (3 credits)**

This course will examine and discuss the political dynamics and policy behaviors of three successful democracies in Northeast Asia: Japan, South Korea, and Taiwan. While all three countries are successful democracies with economic power, each country also faces a series of critical challenges in their politics, economy, and society. The global implications of their struggles are never trivial and the examination of three countries will provide us with the better grasp of contemporary global issues. The thematic focus of the course lies in the comparative analysis of each country in terms of political system, political economy, state-society relations, and foreign relations. To this end, the course will also explore the intricacies of the cultural, historical, and psychological contexts in which behavioral and policy motivations may be explained. Satisfies the Non-Western overlay requirement and is an Asian Studies course.

Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate
POL 336 The EU and European Politics (3 credits)
This course will provide students with a hands-on opportunity for learning about the politics of the European Union and its member states. As an organization that is both supranational and intergovernmental in nature, the EU’s actions are subject to the actions within its institutions and the decisions of its members. Therefore European politics has a great impact on what the Union does. The key and (unique) learning tools in this course are three simulations of EU institutions – the EU Parliament, the Councils of the EU, and the European Council. Students will take on roles of actual EU politicians and engage in policy making. The simulations will require students to perform extensive outside research to prepare to play their roles and will give participants an excellent understanding of these institutions and how they work. Class members will also become expert in the politics of “their” countries (the countries from which their alter egos are from) as well as on the issue under consideration (which will vary depending on pressing European and world events).
Attributes: Undergraduate

POL 337 Contemp Cuban Politi, Std Tour (3 credits)
The Cuban revolution is one of the seminal events of Latin American twentieth century history. This course provides the tools to understand the forces that gave rise to the revolution, how the Revolution has evolved over the more than five and a half decades since the Castro government has been in power, and how Cuban society has transformed politically, economically, socially, and culturally. Particular focus is placed on Cuba since the demise of the Soviet Union, the so called "Special Period," in which Cuba transitioned from a 2nd World client state into an isolated underdeveloped country. Political reforms since then have contributed to an aperture toward the outside world, as well as to steps towards greater economic freedom for Cubans. Many other topics, including race, gender, the arts, Cuba’s foreign relations with the U.S. and the rest of the world, citizenship, religion, health care and Cuba’s future, will be discussed as well. This course satisfies the Non-Western overlay requirement and is a Latin American Studies and Africana Studies course. Attributes: GEP Social Science, International Relations Course, Non-Western Studies (GEP)

POL 338 Democracy: Perspect. from Rome (3 credits)
This class offers an introduction to democratic political processes and institutions by using Rome as a case study. Students will learn about politics and political change in modern Italy; about the structure, function, and dynamics of government and the political system; about the political theories and events that affect the current political climate; and about how citizens participate through these structures. We will first read a few classics on democracy and the democratic tradition to establish a foundation of theoretical reasoning before moving on to an examination of the empirical evidence of how the system of politics functions in Italy. An added, comparative function of this course will be a correlation of political institutions in the United States, urging students to reflect upon their own political environment.
Attributes: Diversity Course (New GEP)

POL 339 Dictatorship, Asian Style (3 credits)
This course will examine and discuss the political dynamics and policy behaviors of two authoritarian communist regimes in East Asia: China and North Korea. What are the natures of Chinese and North Korean societies? What are the historical as well as contemporary implications of their economic systems? To this end, this course will explore the intricacies of the cultural, historical, and psychological contexts in which behavioral and policy motivations could be explained. Along with the comparative analysis of each country (political system, political economy, state-society relations, and foreign relations), major contemporary issues and challenges will be also examined. Can Chinese Communist Party keep its authoritarian grip on its people forever? Will China ever be democratized? Has China’s long economic boom ended? What are the mechanisms behind North Korea’s tight and cruel control of its citizens and their devotion to the Kim dynasty? Can North Korea enter and survive the global economy? More fundamentally, where is China heading? What does North Korea want? Satisfies the Non-Western overlay requirement and is an Asian Studies course.
Attributes: Asian Studies Course, Non-Western Studies (GEP), Undergraduate

POL 340 Political Geography (3 credits)
Political Geography is a course of political and spatial inquiry; it helps students compare and contrast people, places, and processes around the world. This course explores how spatial phenomena including physical geography, borders, and nation-states affect social and political phenomena including domestic, regional and global governance, differences and dynamics of power, and identity, and vice versa. Furthermore, Political Geography focuses on 'scale' - personal, local, regional, national, and global - to understand and explain patterns and processes, as well as conflict and cooperation in international affairs.
Attributes: Undergraduate

POL 341 Revolts and Revolutions (3 credits)
Why do revolts against governments deemed illegitimate occur and when do they become full-fledged revolutions? This course explores both the causes of uprisings and the conditions under which they succeed in bringing about new political and social orders by examining (1) what happened in the "great" revolutions, (2) how scholars have accounted for them, and (3) examining more recent instances of revolts which have sometimes failed and others succeeded. In this study, students will develop their writing and research skills, having the opportunity to find various types of information, write different forms of essays, and appropriately cite and present their materials. Satisfies the Writing Intensive overlay requirement.
Attributes: International Relations Course, Undergraduate
POL 342 Nationalism (3 credits)

POL 350 Memory & Recon. in Glob. Soc. (3 credits)
War apologies abound. Since the end of the Cold War, what we have been witnessing is a world-wide surge in memory. We are living in the era where collective apologies have become more and more common, and, as in Nigerian writer Wole Soyinka, to reconcile with the past has become critical part of contemporary politics of memory and regret. More concretely, this course will explore the following questions: Can a state apologize? Can the current generations apologize for the past wrongs and/or feel responsible? Or, should they? How do individuals articulate the link between identification with the state (and national pride) and sense of individual responsibility? How do individuals get their information about past wrongs? How much confidence do they have in the various sources (textbooks, mass media, internet, friends and family, etc.) at their disposal? Is reconciliation possible? Can memories go beyond national borders? Can it be something universal? The course will start with the introduction and examination of the role of history and memory in the (re-)formation of communal identity and explores for the possibility of communal reconciliation with past wrongs. Along with the examination of conceptual frameworks such as engagement and denial/avoidance, the ethical dimensions of political reconciliation will be discussed in terms of (1) retributive justice and (2) restorative justice. Satisfies the Diversity and Ethics Intensive overlay requirements and is an Asian Studies course.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), International Relations Course, Non-Western Studies (GEP), Undergraduate

POL 351 International Human Rights (3 credits)
The tension between sovereignty and the promotion and protection of human rights remains one of the primary issues in contemporary global politics. This course focuses upon human rights, their status as international law, and the major issues in the implementation and enforcement of that law. The course will open with an overview of the philosophy of human rights, followed by discussion of the history of human rights, the international law of human rights, and the role of human rights in foreign policy. Throughout, students will study various mechanisms for the promotion, protection, and implementation of international human rights, including those of international organizations such as Amnesty International. Whenever possible, the discussion of legal issues will relate to contemporary developments in human rights, and to issues of US foreign policy involving considerations of human rights. An additional focus will be on the human rights implications of globalization.
Attributes: International Relations Course, Undergraduate

POL 352 Global Political Economy (3 credits)
Global economic relations are international, political and complex; they involve cross border flows of goods, money, services and people, and they reflect and create power. This course focuses on the nature and impact of the movement of goods (trade), capital (money, foreign direct investment, bailouts), services (call centers), people (migration), and even "bads" (pollution and disease) to understand the challenges of and opportunities for development, globalization and international cooperation in today's world. It emphasizes the analysis of historic booms and busts in various national economies as well as current global events and trends. Prerequisite: POL 115. Satisfies the Globalization overlay requirement and is a Latin American Studies course.
Attributes: GEP Social Science, Globalization Course (New GEP), International Relations Course, Undergraduate

POL 353 Global Security (3 credits)
This course examines the weapons- and state-centric approach to security that was dominant during the Cold War and investigates how conceptions have changed since that era. While arms and militarization continue to be security concerns with the added threat of terrorism, economic strength and development, resource scarcity, environmental degradation, and human rights are all on the post-Cold War security agenda. The course contrasts a "national security" perspective with a "global" or "human security" one. Satisfies the Globalization overlay requirement and is a Faith-Justice course.
Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

POL 354 War and Peace (3 credits)
Why do wars occur and how does peace "break out" and become habituated in the relationships and politics among states and within nations? Traditionally, students of international relations have focused on wars and war prevention while assuming that peace was simply the absence of interstate violence. This course will investigate the major theories explaining the outbreak of conflict, and it will also explore definitions of peace and theories accounting for the building peace among states that were enemies and rivals, as well as the transformation of previously war-torn societies into places where normal political conflict is resolved through negotiation and institutional channels instead of with violence.
Attributes: GEP Social Science, International Relations Course, Undergraduate

POL 355 American Foreign Policy (3 credits)
This course explores US foreign policy since the end of World War II. After a conceptual introduction (Part I) which explores the utility of interests, institutions, and ideas for accounting for American policy, the course examines the US-Soviet competition and the ways that that "cold" conflict affected U.S. behavior not only toward the USSR, but also toward other regions (Part II). Part III investigates the early post-Cold War period and the attempts and failures in constructing some kind of "New World Order," and Part IV explores how the US has been responding to the twin challenges of terrorism and globalization.
Attributes: International Relations Course, Undergraduate

POL 357 America & the World Economy (3 credits)

POL 359 Contemporary Int'l Migration (3 credits)
Migration has profound and transformative impacts on many aspects of politics, by its effects on labor markets, culture, gender, racial and ethnic relations, religion, and families and kinship ties. This course draws on social science literature to examine the causes and consequences of migration and the effects on both sending and destination countries in various regions of the world. It explores how various types of migrants - refugees, immigrants, guest workers, trafficked persons, and undocumented workers - have shaped and continue to reshape politics and society through their interactions and relationships with regimes of power and authority, established communities, and each other. This course also addresses the incorporation of migrants into political and economic life in their destination countries and how this reverberates in their home countries, the role of international organizations in global migration, and analysis of current migratory trends and polemics. Satisfies the Globalization overlay requirement.
Attributes: GEP Social Science, Globalization Course (New GEP), Undergraduate
POL 361 Theories of Internat Relations (3 credits)
Central to the study of international relations is a solid understanding of the theoretical literature. While the introductory course gives students a taste of the field, serious students must spend more time exploring the arguments and implications of realism, liberalism, constructivism, Marxism, feminism and the various ontological and epistemological debates that underlie the intellectual competition and scholarly endeavors within and between the advocates of the various paradigms. This course provides that solid foundation, allows students to understand the state of the field today and gives them opportunity to evaluate these theoretical traditions and their ability to account for global politics. Any student considering graduate study in global affairs, regardless of major (e.g. Economics, English, History, International Relations, Political Science, Sociology, etc.) should take this class.
Attributes: International Relations Course, Undergraduate

POL 364 Intermtnl Relatns of East Asia (3 credits)
The course will examine and discuss the most intriguing dynamics of international relations in East Asia. Along with the historical analysis of international relation in the region since the mid-19th century, the course will engage in the discussion of pressing issues that characterize contemporary international politics in the region, including (1) regional economic development and interactions, (2) Sino-Taiwanese tension and the U.S. involvement, (3) North Korean nuclear crisis, (4) Japan and its post-Cold War security profile, and (5) regional tension over Japan’s militaristic past. Satisfies the Non-Western overlay requirement.
Attributes: Asian Studies Course, GEP Social Science, International Relations Course, Non-Western Studies (GEP), Undergraduate

POL 367 Ethics in Internrnal Affairs (3 credits)
What is morality in international politics? Is ethical reasoning and action possible in international affairs? If possible, when and how? Proponents of Realism often claim that there is virtually no room for morality in international affairs, and states and state actors are rational thinkers interacting in anarchy. For them, ethics are simply luxury and irrelevant. On the other hand, thinkers under the tradition of IR liberalism/idealism emphasize the ethical dimension of state decision making and state behaviors. On what moral ground or ethical reasoning, are the moral behaviors taking place and observed/unobserved? The primary objective of the course is to help students enhance their analytical ability for the study of international ethics. To this end, the course will explore the main traditions and theories of international ethics with a focus on such topical areas as just war and use of force, universal human rights and humanitarian intervention, and national collective memory and post-conflict reconciliation. Satisfies the Ethics Intensive overlay requirement.
Attributes: Ethics Intensive (New GEP), International Relations Course, Undergraduate

POL 368 Women, Gender & World Politics (3 credits)
To some scholars and policy makers, the idea that conditions in which women and girls live is important to global politics is almost ridiculous, but others stress that until we understand how “gender makes the world go around” (Cynthia Enloe), we will fail to (1) see accurately the nature of power, (2) achieve just outcomes for all people, and (3) understand how masculinity and femininity affect the political and social world. This course exposes students to the development of feminism (a body of thought that advocates for female, and more recently, gender, equality) and examines the extent to which women have become empowered in politics in their own countries, as well as globally. Moreover, many feminist scholars and activists have become sensitive to the ways that elements of a person’s identity (race, class, gender, national origin, ethnicity, etc.) intersect in complex ways to provide her with elements of privilege and/or disadvantage. A central contention of this course is that empowerment is more than simply achieving the vote or becoming an elected official, and traditionally, some people (based on identity) have had an easier time achieving access and opportunities than have others. Empowerment means that all persons, regardless of gender, have influence over decisions that matter to them, security (both at home and in the global arena), economic opportunities, and are treated justly (are believed to possess inalienable human rights that are not somehow forfeited because of their gender). Satisfies the Globalization overlay requirement, and is also a Gender Studies course.
Attributes: Diversity Course (New GEP), Globalization Course (New GEP), International Relations Course, Undergraduate

POL 370 Special Topics (3 credits)
Depending on the instructor, these courses will focus on a particular topic of interest in Political Science and Politics (e.g., The Presidential Election, The Arab Spring, Guns and the Supreme Court). Students may count only two POLs 270 and/or 370 courses for major or minor credit.
Attributes: GEP Social Science, International Relations Course, Undergraduate

POL 401 Seminar on Freedom of Religion (3 credits)
Contentious politics consists of many “non-traditional” forms of political action, including social movements, protests, riots, and even political violence. This capstone political science seminar examines contentious politics in the U.S. through the lens of 1960/70s radical social movements, a key moment in U.S. politics in which the New Left imagined, theorized, negotiated, and contested the meaning of democracy and power. Students will examine and analyze the origins, ideologies, claims/grievances, goals, and strategies of radical political groups that roughly fall under the banner of the New Left: anti-war, feminism, black liberation, American Indian Movement, Chicano Movement, and Gay Liberation. We will study the politics of the struggle over rights, democracy, power, and the use/nonuse of violence within the New Left through a careful study of the primary texts (statements, agendas, etc.) produced by these groups. Students will investigate what the New Left helps us understand about power, politics, and violence in a modern democracy and evaluate the effectiveness of protest as a means to forward a political agenda, broadly defined. Prerequisite: POL 111 and POL 117 or permission of instructor. Satisfies the Writing Intensive overlay requirement. This is an approved Justice and Ethics in the Law course.
Prerequisites: POL 111 or POL 201 or POL 231 and ENG 101
Restrictions: Enrollment is limited to students with a major in Political Science.
Attributes: GEP Social Science
POL 403 Nations and Nationalism (3 credits)
The primary objective of this seminar is to help students enhance their analytical abilities for the study of contemporary national problematic. In the rapidly changing contemporary global world, why are people still attracted, swayed, and annoyed by what is national? What is so important about being a part of nation? What drives people to develop specific allegiance toward a nation? And, how? More fundamentally, what is a nation? Prerequisite: POL 113 and POL 115 or permission of instructor. Satisfies the Writing Intensive overlay requirement.
Prerequisites: POL 113 and (POL 115 or POL 105) and (POL 201 or POL 231 or IRT 250) and ENG 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in International Relations or Political Science.
Attributes: International Relations Course, Undergraduate

POL 404 Contemporary Peacebuilding (3 credits)
The end of the Cold War brought widespread hope for world peace. Long simmering civil strife and interstate confrontations abated in Latin America, the Korean peninsula, Southern Africa and the Middle East. War and destruction, however, were far from over, as places where conflict appeared mostly resolved in the 1990s—the Middle East and Chechnya—reigned at the turn of the century and new ones emerged. Then, after 9/11, state military campaigns inspired insurgencies in places like Afghanistan and Iraq that seemed to add a new dimension to the problem of restoring order and civility to war-torn societies. So, just what is peace and under what conditions is it made? How can a settlement be established and ultimately lead to peace in places devastated by internal conflict? This seminar investigates theoretical frameworks of peacemaking and peacebuilding and asks students to apply these perspectives to contemporary cases. Prerequisite: POL 113 and POL 115 or permission of instructor. Satisfies the Writing Intensive overlay requirement.
Prerequisites: POL 201 or POL 231 or IRT 250
Restrictions: Enrollment is limited to students with a major, minor, or concentration in International Relations or Political Science.
Attributes: Globalization Course (New GEP), International Relations Course, Undergraduate

POL 407 Theories of Justice (3 credits)
What is political justice? We begin with an in-depth reading of the work that has defined justice in the 20th and 21st centuries: John Rawls' A Theory of Justice. We will also read selections from Rawls' Political Liberalism and his work on international justice, The Law of Peoples. In order to consider alternative theories of justice and criticisms of Rawls, we will read classic critical commentaries in the form of articles and book chapters from Michael Walzer, Michael Sandel, Alistair MacIntyre, Ronald Dworkin, Susan Okin, Robert Nozick, Brian Barry, Amartya Sen, and James Fishkin. Course requires in-depth reading of major political theorists of justice and encourages a sophisticated understanding of political justice through the weekly writing of critical, interpretive, and comparative essays. Students are encouraged to compare and contrast theories in order to develop a vocabulary of political ideology (liberalism, communitarianism, conservatism, feminism, liberalism, utilitarianism, and post-modernism) as well as an understanding of different types of justice (e.g., distributive v. restorative). Prerequisite: POL 111 and POL 117 or permission of instructor. Satisfies the Writing Intensive and Ethics overlay requirements. This is an approved Justice and Ethics in the Law course.
Prerequisites: PHL 154
Restrictions: Enrollment is limited to students with a major, minor, or concentration in International Relations or Political Science.
Attributes: Ethics Intensive (New GEP), GEP Social Science, Undergraduate

POL 409 Contemporary Intermigration (3 credits)
Migration has become a topic of increasing focus and concern in the 21st century, with some arguing that it will be one of the defining issues of our time. This is certainly the case for those tens of millions of individuals who are currently on the move, for the sending communities and societies from which they emigrate and the destinations that receive them, and the nation-states that control their entrance and exit. In this seminar, we will cover the “big” issues of migration in a comparative format through engagement with some of the most important examples of the extensive body of literature in Migration Studies. Concretely, we will critically examine: the demographics of migration in key regions of the world; theories that explain mobility; host-immigrant relations and integration; the role of gender, race, and ethnicity in migration; the growth of transnational ties as an aspect of globalization; security; and the analysis of immigration policies and citizenship. Throughout the course of the semester, we will question continually challenge ourselves to question the approach to migration as a problem to be solved versus as a process to manage. As a capstone seminar, Global Migration as Problem and Process includes reading requirements that are extensive and challenging and approaches learning through a collective approach as we share our individual insights and understandings. We will learn from each other. Students must come to class having read the assignment materials critically so that we can grapple with ideas and engage in debate. Avid participation is required. There will be minimal formal lecturing and most seminar time will consist of open discussion. Furthermore, this capstone will draw upon the knowledge students have gained from many of their other Political Science classes. The course materials will draw heavily from empirical evidence (qualitative and quantitative) to explore the topics discussed above, while applying major theoretical concepts in Political Science. Students should come prepared to integrate the knowledge they have gained over the past four years. Prerequisite: POL 113 and POL 115 or permission of instructor. Satisfies the Writing-Intensive overlay requirement.
Prerequisites: POL 113 and POL 115
Attributes: POL 113 and POL 115

POL 411 Washington Internship I (3 credits)
At The Washington Center (see Special Academic Programs and Services for more information), students are placed in an internship where they work 30-35 hours in an office making substantive contributions to its work in politics, public policy, law, advocacy, or other related fields. For these activities, students earn two courses worth of upper division credit. Please note: the other courses at the Washington Center do not count for POL major or minor credit.
Attributes: Undergraduate

POL 412 Washington Internship II (3 credits)
At The Washington Center (see Special Academic Programs and Services for more information), students are placed in an internship where they work 30-35 hours in an office making substantive contributions to its work in politics, public policy, law, advocacy, or other related fields. For these activities, students earn two courses worth of upper division credit. Please note: the other courses at the Washington Center do not count for POL major or minor credit.
Attributes: Undergraduate

POL 413 International Internship I (3 credits)
Some study abroad programs offer internship credit for one or two classes. Please note: subject to administrative approval, students may earn two courses of UD POL credit if their internship is in the 32-hour/week range.
Attributes: International Relations Course, Undergraduate
POL 414 International Internship II (3 credits)
Some study abroad programs offer internship credit for one or two classes. Please note: subject to administrative approval, students may earn two courses of UD POL credit if their internship is in the 32-hour/week range.

Attributes: International Relations Course, Undergraduate

POL 417 Urban Politics (3 credits)

POL 470 Independent Study (3 credits)

POL 491 Philadelphia-Area Internship (3 credits)
Supervised internships in the Philadelphia area provide students an opportunity to intern with elected officials, public interest organizations, party organizations, and many other groups involved with politics and policy including the Philadelphia DA’s office, CBS, or Senator Casey’s office. The course helps student: (1) develop tools for a job search; (2) professional writing skills (e.g. resume and cover letter); and (3) integrate academic skills into professional life. In fall, the course allows students to choose any organization related to politics, policy, or law. In spring, most students serve as Global Smarts mentors for the World Affairs Council of Philadelphia. Course credit available for International Relations and/or Justice and Ethics in the Law – with permission of the internship coordinator and the program director. Course counts for POL or IR credit once. With permission of the internship coordinator and POL department chair, course can be taken by POL and IR majors a second time as an elective. Course is open to ALL majors.

Prerequisites: ENG 101
Attributes: GEP Social Science, International Relations Course, Undergraduate

POL 493 Honors Research in Pol Sci I (3 credits)
Majors with a minimum GPA of 3.5 in Political Science courses may apply to the Honors Program to earn College Honors. Applications are due in Spring of the junior year for the right to perform a year-long research project under the supervision of a Political Science Department member. To succeed in the application, the student should be in conversation with that faculty member early on in the junior year. Then, the student works closely with her/his mentor over the course of the senior year to prepare and present a thesis that passes the scrutiny of the mentor, an outside faculty reader with complementary expertise, and a member of the Honors Committee. Specific requirements for the College Honors thesis may be found under “Honors Program”. Prior approval from the Honors Program and Department is necessary. Students who complete Departmental Honors are not required to take a POL Capstone Course. One semester of HON research counts for the Capstone Course and the other for an upper division POL course.

Attributes: GEP Social Science, Undergraduate

POL 494 Honors Research in Pol Sci II (3 credits)
Majors with a minimum GPA of 3.5 in Political Science courses may apply to the Honors Program to earn College Honors. Applications are due in Spring of the junior year for the right to perform a year-long research project under the supervision of a Political Science Department member. To succeed in the application, the student should be in conversation with that faculty member early on in the junior year. Then, the student works closely with her/his mentor over the course of the senior year to prepare and present a thesis that passes the scrutiny of the mentor, an outside faculty reader with complementary expertise, and a member of the Honors Committee. Specific requirements for the College Honors thesis may be found under “Honors Program”. Prior approval from the Honors Program and Department is necessary. Students who complete Departmental Honors are not required to take a POL Capstone Course. One semester of HON research counts for the Capstone Course and the other for an upper division POL course.

Attributes: GEP Social Science, Undergraduate
PROFESSIONAL WRITING & SPEAKING (PWS)

PWS 112 Research-Based Writing (3 credits)
PWS 206 Public Speaking & Presentation (3 credits)
PWS 263 Organizational Writing (3 credits)
PWS 264 Techniques Busn Presentation (3 credits)
PWS 265 Public Relations (3 credits)
PWS 266 Case Studies: PR & Advertising (3 credits)
PWS 267 Negotiations, Writing & Conflict (3 credits)
PWS 268 Persuasion & Influence Speaking (3 credits)
PWS 401 Brochure, Newsletter, Multimedia Pr (3 credits)
PWS 464 Sports Journalism (3 credits)
PWS 471 Book Publishing (3 credits)
PWS 472 Cover Pol. Spec Top. Journalism (3 credits)
PSYCHOLOGY (PSY)

PSY N001 Non-Credit Time Mgmt & Stress (1 credit)
PSY N002 Non-Credit Leadership (1 credit)
PSY N003 Non-Credit - Team Development (1 credit)
PSY N004 Non-Credit Stress Management (1 credit)
PSY N005 Non-Credit Time Management (1 credit)
PSY 100 Introductory Psychology (3 credits)
This course introduces the student to the research problems, methods, findings, and basic theory that constitute the scientific investigation of human and animal behavior. Note: PSY 101 is restricted to Psychology majors only.
Attributes: GEP Social Science, Undergraduate
PSY 101 Intro Psychology Seminar (3 credits)
PSY 120 Lifespan Development (3 credits)
This course looks at the changes that take place in our lives: in our bodies, our personalities, our ways of thinking, our feelings, our behavior, our relationships, and the roles we play during different periods of our lives. In this course we seek to describe these changes through the scientific research that has observed, measured, recorded and interpreted objective data on growth and development. Additionally we will seek to explain these changes in as far as possible, attempting answers to why they have occurred and what influential roles heredity and environment play. Does not count toward Psychology major or minor. NOTE: This course does not count toward Psychology major. This course is not open to students who have already completed PSY 231. This course is only open to students who are not and do not plan to be Psychology majors. Psychology majors should take PSY 231 instead.
Restrictions: Students cannot enroll who have a major in Psychology Five Year or Psychology.
Attributes: Undergraduate
PSY 121 Child Development (3 credits)
An attempt will be made to understand the development of children as it occurs in biological, psychosocial, and cultural contexts. Emphasis will be given to contemporary psychological research on children and its implications for the understanding of the everyday behavior of the child. Notes: This course is only open to students who are not and do not plan to be Psychology majors. This course is not open to students who have taken PSY 231.
Restrictions: Students cannot enroll who have a major in Psychology.
Attributes: Undergraduate

PSY 122 Abnormal Psychology/Non-Majors (3 credits)
How do we define what behaviors are abnormal? This course will provide an overview to the study of psychopathology, more commonly known as abnormal psychology. As an introductory course to abnormal psychology, it will focus primarily on the description of various psychological disorders, their clinical course, and the current understanding of the causes of these disorders. Notes: This course does not count towards the Psychology degree. This course is not open to students who have already completed PSY 232. This course is only open to students who are not and do not plan to be Psychology majors. Psychology majors should instead take PSY 232.
Restrictions: Students cannot enroll who have a major in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 123 Psychology of Men and Women (3 credits)
Stop being part of the problem and try becoming part of the solution!! Find out what the battle between the sexes, sometimes referred to as "The Longest War," is really about. Explore the nature of the psychological experiences unique to growing up male and female in contemporary society and its effects on behavior and relationships. Current non-technical readings drawn from diverse disciplines (Biology, Sociology, History, as well as Psychology) will serve as the basis of classroom discussions. These will be supplemented by lectures summarizing the latest psychological research on gender similarities and differences. Note: This course does not count toward Psychology major.
Attributes: Gender Studies Course, Undergraduate
PSY 124 Human Sexuality (3 credits)
The human sexual experience will be examined openly and objectively from physical, social, and psychological perspectives. Issues of current concern such as pornography, homosexuality, and sexuality and the handicapped will be explored in depth. Lectures and discussions may be supplemented by audio-visual materials and guest speakers.
Attributes: Gender Studies Course, Undergraduate
PSY 125 Forensic Psychology (3 credits)
This course will provide a broad overview of the field of forensic psychology and the numerous ways that the discipline of psychology may be applied to the practice of the law. Forensic psychology focuses on the application of psychological research, methods, and expertise to issues that come before the legal system. The mental disorders that are encountered in forensic evaluations will be considered, along with the manner in which forensic psychologists assist judges and juries in determining criminal responsibility and punishment. Students will learn about the psychological underpinnings of crime; issues around competency to stand trial; issues around the insanity defense, capital murder and the death penalty; issues around child custody matters; jury selection; and interrogation procedures. Note: This course does not count toward Psychology major or minor.
PSY 126 Psychology of Culture (3 credits)
How does culture affect human behavior? The aim of this course is to use psychological theory and research to examine culture's effects on people cross-culturally. This course will examine how people are influenced by their culture and how people consider culture in the way they think about and treat others. This course will also focus on facets of cultures, including gender, race, ethnicity, and poverty. In addition, the course will examine how interactions among these facets influence people across-cultures.
Attributes: Undergraduate
PSY 150 Gender Matters (3 credits)
This course provides an overview of research and theories on the biological, psychological, and the social aspects of gender. Areas of similarities as well as differences between men and women will be discussed. Significant attention will be given to the impact gender has on the everyday lives of women and men in contemporary American society today. Does not count toward Psychology major or minor.
Attributes: Diversity Course (New GEP), First-Year Seminar, Undergraduate
PSY 152 Psy of Violence & Aggression (3 credits)
PSY 196 Psychology AP Course Credit (3 credits)

PSY 200 Personality Psychology (3 credits)
What are the forces that make us who we are, and uniquely different from all others? Is it our unique genetic make-up, our familial environment, our neighborhoods and peers, or our culture? This course examines and strives to integrate human personality from several levels of analysis: trait level, biological level, motivational level, environmental level including microenvironments (family) as well as macro environments (neighborhoods, culture), and cognitive level. Important psychological questions are built into this analysis, including the nature/nurture debate, conscious/unconscious processes, and free-will/determinism.
Prerequisites: PSY 100 or PSY 101
Attributes: Undergraduate

PSY 201 Biological Bases of Behavior (3 credits)
This is an introductory-level course exploring the relationship between human behavior and the functioning of the brain. Topics to be covered include research techniques in neuroscience, the structure and function of the peripheral and central nervous systems, the structure and function of nerve cells, the chemistry of the nervous system, and drug effects in the nervous system.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Attributes: Undergraduate

PSY 205 Neuroscience Foundation (3 credits)
This course will introduce students to the diverse disciplines of the neurosciences, with an emphasis on methodologies and historical research and perspectives. Students will obtain an understanding of the anatomy of the central and peripheral nervous systems, with a specific focus on electrical and chemical cellular transmission, and the pharmacology of synaptic transmission. Note: This course is an elective that can also be used to satisfy the requirements of the Behavioral Neuroscience minor.
Prerequisites: (PSY 201 or BIO 101) and (PSY 101 or PSY 100)

PSY 206 Behavioral Neuroscience (3 credits)
In this advanced course, students will explore the neural and hormonal regulation of social behavior. Topics to be covered will include: sleep and other biological rhythms, neurological and psychiatric disorders, emotion, learning and memory, behavioral endocrinology, ingestive behavior, and reproductive behavior. Note: This course is an elective that can also be used to satisfy the requirements of the Behavioral Neuroscience minor.
Prerequisites: (PSY 101 or PSY 100) and (PSY 201 or BIO 101) and (PSY 205 or BIO 412) and PSY 340L (may be taken concurrently)
Restrictions: Enrollment is limited to students with a minor in Behavioral Neuroscience.

PSY 207 Cognitive Neuroscience (3 credits)
This course will introduce students to the emerging interdisciplinary field of cognitive neuroscience. Students will learn methodological and investigative techniques and strategies used in research in cognitive neuroscience. Students will be also exposed to current research in psychophysiology and neuroradiology that further understanding of behaviors such as attention, perception, learning and memory, language, reasoning, and consciousness. Note: This course is an elective that can also be used to satisfy the requirements of the Behavioral Neuroscience minor
Prerequisites: PSY 100 or PSY 101 and PSY 361

PSY 208 Human/Animal Relations (3 credits)
Non-human animals play an integral part in lives of humans. This course will explore the important relationship between human and non-human animals. Topics to be covered include: the history of animal domestication, and the influence of animals on human culture and religion. Moreover, the ethical implications of human interactions with animals in the laboratory, in captivity, as livestock, and in the wild will be considered. Note: This course is an elective that can also be used to satisfy the requirements of the Animal Studies minor.
Prerequisites: PSY 100 or PSY 101

PSY 210 Research Methods (4 credits)
This course is an introduction to the techniques and methods of descriptive and inferential research as they are applied to psychological science. Topics include archival research, naturalistic observation, participant-observer research, clinical-case studies, correlational research, quasi-experimental designs, between- and within-subject experimental designs, and factorial-design research. Particular emphasis on ethical issues in psychological research is given.
Prerequisites: PSY 101 or PSY 100
Attributes: Undergraduate, Writing Intensive Course- GEP

PSY 211 Stats for the Social Sciences (4 credits)
This course is an introduction to the basic principles of statistical analyses, descriptive and inferential, that are used in the social sciences. Topics include measures of central tendency, variability, correlational analyses, regression, estimation, hypothesis testing, and selected parametric and non-parametric tests. Laboratory work will include the use of computer-based statistical packages to aid in analysis and interpretation of discipline-appropriate research data.
Prerequisites: PSY 100 or PSY 101
Attributes: Undergraduate

PSY 212 Multicultural Psychology (3 credits)
We live in a multicultural society that requires an appropriate understanding of cultural diversity. This course will provide students with a theoretical and practical understanding of the effects of culture on human thinking and behavior. The course considers current theories and research on culture, gender, race and ethnicity with the goal of better understanding the ways in which the multicultural context influences psychological processes. The aim of the course is to achieve a better appreciation of cultural groups and consideration of cultural issues in interpreting social experiences.
Prerequisites: PSY 100 or PSY 101
Attributes: Diversity Course (New GEP), Undergraduate

PSY 220 Sensation and Perception (3 credits)
The world around us abounds with all manner of sensory stimuli-visual, olfactory, auditory, tactile, and gustatory. This course will explore the manner in which we internalize this information and use it as knowledge about what is going on around us. Each of the senses will be considered from biological and phenomenological perspectives, and the process by which we derive meaning from sensory activity will be examined. Topics to be covered include object perception, visual attention, music and speech perception, somatosensory processing, taste preferences, and smell recognition.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate
PSY 221 Animal Learning and Memory (3 credits)
Other than that which is genetically coded, everything we know is derived from and reflects memory for information that we have learned in the past. This course introduces the student to the scientific investigation of the basic processes of learning and memory. Topics of discussion will include the traditional theories, methodologies, and empirical findings of habituation and sensitization, classical conditioning, and instrumental conditioning. In addition, mechanisms of retention, sources of forgetting, and the biological basis of learning and memory processes will be considered.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Animal Studies, Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 221L Animal Learn & Memory Lab (1 credit)
This laboratory course is a co-requisite for PSY 221, Animal Learning and Memory. Prerequisites: PSY 100 or PSY 101, and PSY 200, PSY 201, PSY 210, and PSY 211. Co-requisite: PSY 221.
Prerequisites: (PSY 100 or PSY 101) and PSY 201 and PSY 210 and PSY 211

PSY 222 Neuropsychology (3 credits)
Neuropsychology will introduce students to understanding human brain/behavior relationships. Emphasis will be placed on commonly used approaches in assessing and measuring human behavior and how the human brain is responsible for cognition, language, memory, spatial processing, emotion, and personality. Students will gain an understanding of principles of brain organization, individual differences, and professional and clinical issues in neuropsychology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 223 Health Psychology (3 credits)
Health psychology is a field that incorporates many sub-disciplines of psychology with modern medicine. This course seeks to provide the student with an understanding of how social, psychological, and biological variables combine to cause illness, and how behavior and environments can be changed to promote health. One important focus of the course concerns understanding the nature of stress and the impact stress has on health.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 224 Drugs, Brain & Human Behavior (3 credits)
How do drugs affect consciousness and behavior? This course will examine the action of many different drugs, both medicinal and illicit, from biological, behavioral, and social perspectives. The relationship between alterations in behavior produced by drug administration and the changes that the drug produces in the functioning of the nervous system will be emphasized. Topics to be covered include routes of drug administration, drug absorption, transport and elimination, mechanisms of drug action, the histories of miscellaneous drugs, and the behavioral and biological activity of alcohol, nicotine, caffeine, the opiates, the hallucinogens, the antipsychotics, amphetamines, and cocaine.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 225 Comparative Animal Behavior (3 credits)
This course examines the evolution and development of animal behavior. Students will gain an understanding of the behavioral diversity and commonalities among animal species. An emphasis will be placed on comparing the characteristics of human behavior with those of other species, with special attention given to the cognitive capabilities of non-human animals.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 226 Psychology of Emotion (3 credits)
This course will introduce students to major theories and topics of the psychology and biology of emotion. Areas explored include the role of the brain and peripheral physiology in emotion, how emotion is expressed, the role of cognition, cultural differences, social aspects of emotion, development of emotions, and the role of emotion in health and psychopathology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 227 Cognitive Psychology (3 credits)
Cognitive psychology is the study of the human mind processes information. Learning and organizing new information, remembering facts and events, recognizing objects, reading, using language, and problem solving are examples of cognitive tasks people perform every day. In this course you will learn about the mental processes underlying these tasks. Particular emphasis will be given to mental representations of information, computational models of mental processes, and applications of cognitive psychology.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 230 Social Psychology (3 credits)
The discipline of social psychology can be described as the study of the “power of the situation.” Although we like to think that our behavior and our attitudes are freely chosen by us, this course illuminates how powerful outside situational forces can be in shaping both. It involves the understanding of how people influence, and are influenced by, others around them; how we form impressions of others and of ourselves; what determines our attraction to others (or lack thereof); why we help one another, and why we hurt one another. In addition to a basic understanding of these phenomena, an equally important goal is to develop critical and integrative ways of thinking about theories and research in social psychology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Undergraduate
PSY 231 Developmental Psychology (3 credits)
This course examines the mechanisms that contribute to psychological growth and change throughout life. The goal of this course is to provide students with an understanding of the influence of biological, cognitive, emotional, social and cultural factors on development from infancy into adulthood. Theories of development and applications to real-world problems will provide a context for understanding how humans change during the life cycle. Lectures and discussions will interweave theory, methodology and research findings about how we develop and demonstrate our abilities to perceive, think, feel, remember, plan, and ultimately realize our potential as human beings. Note: This course is not open to students who have taken PSY 121.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 232 Advanced Abnormal Psychology (3 credits)
This course will provide an overview to the study of psychological disorders or abnormal behavior. Our current understanding of psychological disorders from biological, behavioral, cognitive, and psychodynamic perspectives will be presented. Attention will be given to the nature, causes, and course of various psychological disorders as well as treatment for specific disorders. Note: This course is restricted to Psychology majors. Others should instead take PSY 122, Abnormal Psychology. This course is not open to students who have already completed PSY 122. This course is a prerequisite for PSY 300 (Clinical Psychology) and PSY 301 (Psychological Assessment), both of which are required for the clinical concentration.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 233 Adulthood and Aging (3 credits)
Continuing demographic changes occurring globally as well as nationally have accelerated research in and theorizing about heretofore-neglected periods of human development. The ‘graying’ of the human population has accelerated interest in the topic of adulthood and aging at both the theoretical and empirical levels. This course will explore the adult experience using a life-span perspective and a contextual analysis including contributions from the fields of anthropology, biology, psychology, and sociology.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 234 Psychology of the Self (3 credits)
This course has been designed to provide in-depth considerations of both classic and current issues regarding the self. As a concept, the self is consistently referred to in many fields of psychology. But what is the self and how is it represented? This course will consider the self from a social psychological perspective. Special focus will be on defining the self and identifying the influences that various aspects of the self-have on our perceptions, emotions, and behavior.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 235 Psychology of Gender (3 credits)
This course will examine a wide variety of psychological issues concerning gender. Topics will include gender bias in research, theories of gender, gender typing, cultural emphases on gender differences, gender and the self-concept, and psychological phenomena unique to women’s and men’s experiences.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 236 Ethics in Psychology (3 credits)
Ethics and professional issues in clinical psychology will be addressed in this course. The focus will be on ethical principles as applied to psychological assessment and diagnosis, psychotherapy and clinical judgment, clinical research, and client-patient and student-teacher relationships. Case studies will be used to illustrate ethical and professional issues, as well as examples from clinical practice and modern media.
Prerequisites: (PSY 100 or PSY 101 or PSY 196) and PHL 154
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
Attributes: Ethics Intensive (New GEP), Undergraduate

PSY 237 Abnormal Child Psychology (3 credits)
This course will provide a comprehensive introduction to abnormal child psychology. Assessment, diagnosis, and treatment of children and adolescents will be discussed. Specific disorders covered will include attention-deficit/hyperactivity disorder, anxiety disorders of childhood, affective (mood) disorders, conduct disorder and other disruptive behavior disorders, learning disabilities, autism spectrum disorders, and sleep disorders.
Prerequisites: PSY 100 or PSY 101 or PSY 196
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 238 Social Development (3 credits)
Social development involves the ways that children grow and interact with others, including parents, peers, siblings and authority figures. This course will cover social development from infancy through adolescence. The course will cover the major theories of social development, as well as issues such as parenting styles, gender development, moral development, aggression and motivation.
Prerequisites: PSY 100 or PSY 101
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.

PSY 239 Psychology of Media (3 credits)
Every one of us is exposed to, and thus influenced by, some aspect of the media. This course will examine some of the major aspects of the media, including 1) media content, with emphasis upon depictions of gender, age, race, sexuality, violence, advertising, and news, 2) effects of exposure to that content, and 3) who owns and thus controls the content of what we see, hear, and play. As a laboratory course, students will also engage in the full research process, from reviewing the scholarly work of others, formulating an original research hypothesis, testing that hypothesis, and drawing logical conclusions from the data.
Prerequisites: PSY 100 or PSY 101
PSY 300 Clinical Psychology (3 credits)
This is an advanced course that provides an overview of the field of clinical psychology. Students are expected to have taken Abnormal Psychology and are familiar with the various psychological disorders covered in that course. The primary goals of the Clinical Psychology course are to familiarize students with the history of clinical psychology as a field, including the roles in which clinical psychologists serve and settings in which they work, as well as current issues and debates in the field; provide a foundation in student’s understanding of the various theoretical orientations that guide how clinical psychologists approach their work; orient the student to the various types of assessments that are employed to aid in the treatment conceptualization; and help students clarify their own interests and approaches in the mental health field and map them to the client populations and presenting problems of interests and the appropriate graduate programs to suit their goals.
Prerequisites: PSY 100 or PSY 101 and PSY 232
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 301 Psychological Assessment (3 credits)
This course covers the theory, construction, use, and interpretation of the wide range of available psychological, neuropsychological, and educational tests. Tests of intellectual ability, academic achievement, industrial aptitude, and personality and clinical variables will be reviewed. Specific emphasis will be placed on reliability, validity, ethics, the utility of test measures, test administration, and interpretation and communication of test results.
Prerequisites: PSY 232
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 340L Behavioral Neuroscience Lab (3 credits)
In this lab, students will learn neuroscience research techniques and conduct a self-designed, semester-long research project exploring the consequences of brain lesion on behavior. Students are expected to learn aseptic surgical techniques and will conduct survival brain surgery on their research animal. Brains will be collected at the end of the semester for further analysis. Students gain valuable neuroscience experience, through this authentic laboratory course.
Restrictions: Enrollment is limited to students with a minor in Behavioral Neuroscience.

PSY 350 Experimental Psych Laboratory (3 credits)
This course will focus on the use of research design and statistical methodology as tools for answering research questions in the social and behavioral sciences. Students will learn to apply research design and statistical methodology in the development of research questions, the gathering of data, and the analysis and reporting of results. Students will gain a more applied and complete understanding of the research process, which will allow them to critically analyze published research and/or be able to conduct independent research. This course will also prepare students for more advanced Psychology coursework.
Prerequisites: PSY 210 and PSY 211

PSY 370 Adv Topics in Psych: Nat Sci I (3 credits)
This course will focus on a different topic in psychology from the perspective of the natural sciences each semester that it is scheduled.
Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 371 Adv Topics in Psych: Nat Sci II (3 credits)
This course will focus on a different topic in psychology from the perspective of the natural sciences each semester that it is scheduled.
Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 372 Adv Topics in Psych: Soc Sci I (3 credits)
This course will focus on a different topic in psychology from the perspective of the social sciences each semester that it is scheduled.
Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 373 Adv Topics in Psych: Soc Sci II (3 credits)
This course will focus on a different topic in psychology from the perspective of the social sciences each semester that it is scheduled.
Prerequisites: PSY 100 or PSY 101.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 374 Independent Study I (3 credits)
The content of the Independent Study is negotiated between student and faculty mentor. The content cannot be that of an existing course in the curriculum unless that course will not be offered during the time that the student completes his or her program of study. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology.
Attributes: Undergraduate

PSY 375 Independent Study II (3 credits)
The content of the Independent Study is negotiated between student and faculty mentor. The content cannot be that of an existing course in the curriculum unless that course will not be offered during the time that the student completes his or her program of study. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology.
Attributes: Undergraduate

PSY 390 Internship I (3 credits)
Internship entails spending eight hours each week (for a total of 112 hours) at a site in which students’ work will be supervised and evaluated. Settings include clinical, clinical research, counseling, hospital, educational research, special education, correctional, and industrial facilities. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment limited to students with a class of Junior or Senior. Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate
PSY 391 Internship II (3 credits)
Internship entails spending eight hours each week (for a total of 112 hours) at a site in which students' work will be supervised and evaluated. Settings include clinical, clinical research, counseling, hospital, educational research, special education, correctional, and industrial facilities. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment limited to students with a class of Senior or Junior. Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 392 Independent Research I (3 credits)
Students are responsible for designing and conducting an original research project under the direction of a faculty mentor. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology.
Attributes: Undergraduate

PSY 393 Independent Research II (3 credits)
Students are responsible for designing and conducting an original research project under the direction of a faculty mentor. Restricted to junior and senior Psychology majors and minors. Permission of instructor required.
Prerequisites: PSY 210
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology.
Attributes: Undergraduate

PSY 491 Research Sem: Nat Sci, Psych I (3 credits)
This course will focus on a different topic in psychology from the perspective of the natural sciences each semester that it is scheduled. The semester's topic will be treated in depth in a seminar format. Students will become familiar with research and theory in the area under study using primary source material. Students may also become involved in research projects in the area under study.
Prerequisites: PSY 200 and PSY 201 and PSY 210 and PSY 211 and (PSY 238L or PSY 239L)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 492 Research Sem: Nat Sci, Psych II (3 credits)
This course will focus on a different topic in psychology from the perspective of the social sciences each semester that it is scheduled. The semester’s topic will be treated in depth in a seminar format. Students will become familiar with research and theory in the area under study using primary source material. Students may also become involved in research projects in the area under study.
Prerequisites: PSY 200 or PSY 201 or PSY 210 or PSY 211 and (PSY 221L or PSY 227L)
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 494 Research Sem: Soc Sci, Psych II (3 credits)
This course will focus on a different topic in psychology from the perspective of the social sciences each semester that it is scheduled. The semester's topic will be treated in depth in a seminar format. Students will become familiar with research and theory in the area under study using primary source material. Students may also become involved in research projects in the area under study.
Prerequisites: PSY 320L or PSY 321L
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
Attributes: Undergraduate

PSY 551 Adv Research Methods & Stats I (4 credits)
This course will provide both a conceptual and practical understanding of advanced research methods and statistical methods for psychological data. Topics on research method will include: within- and between-subject experimental research, scale development, and validity/reliability. Topics on descriptive and inferential statistical procedures will include: analysis of variance (ANOVA), correlations, multiple regressions, power, and effect size. Students will learn to apply these statistical methods to the test of mediation and moderation models. Practical understanding of these techniques will be achieved through hands-on analysis of research questions using computerized statistical packages such as SPSS.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment limited to students in the MSPSYC program. Enrollment is limited to Graduate level students.

PSY 552 Adv Research Methods & Stats II (4 credits)
This course will address statistical procedures appropriate for the analysis of multivariate psychological data. Topics include simple and canonical correlation, linear and multiple regression techniques, discriminant analysis, analysis of covariance, multivariate analysis of variance, and factor analysis. Practical understanding of these techniques will be achieved through hands-on analysis of research questions using large sample data bases and computerized statistical packages such as SPSS.
Prerequisites: PSY 551
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 591 Directed Studies I (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the development of a proposal for a Master's thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology. Enrollment limited to students in the MSPSYC program.

PSY 592 Directed Studies II (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the development of a Master’s thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 610 Learning and Behavior (4 credits)
Presentation of major concepts and findings from research on basic learning processes and exploration of their implications for complex behavior. Basic processes include classical and operant conditioning, stimulus control, reinforcement, and aversive control. Complex behaviors include attention, memory, and dysfunctional behavior. The physiological basis of learning will also be explored.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology.
PSY 611 Adv Physiological Psychology (4 credits)
An examination of the biological foundations of human and animal behavior. The relationship between behavior and the anatomy and physiology of the nervous system will be emphasized, ranging from the cellular level to a consideration of whole neural systems whose activity supports behavior. Behaviors to be studied will extend from simple reflex arcs to the regulation of motivational states.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 612 Adv Sensory Processes (4 credits)
The manner in which different forms of stimulus energy in the environment are internalized by the organism will be considered in detail in this course. Visual, olfactory, gustatory, auditory, and tactile systems will be examined from biological and phenomenological perspectives. Also to be considered are theoretical issues such as how meaning and knowledge are derived from sensory stimulation.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 613 Psychopharmacology (4 credits)
An exploration of the mechanisms of action of psychoactive drugs. The manner in which drugs enter, distribute themselves throughout, and exit the body will be considered. The relationship between alterations in behavior produced by drug administration and the changes that the drug produces in the functioning of the nervous system will be emphasized. Topics to be covered include routes of drug administration, drug absorption, transport, and elimination, mechanisms of action, the histories of miscellaneous drugs, and the behavioral and biological activity of alcohol, nicotine, caffeine, the opiates, the hallucinogens, the antipsychotics, amphetamine, and cocaine.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 614 Cognitive Science (4 credits)
This course explores topics within the fields of cognitive psychology, cognitive science, and cognitive neuroscience. The course focuses on how humans make sense of our experiences. In particular, we will learn about how the human brain extracts information from the environment and how that information gets processed, represented, stored, and retrieved. Particular attention will be paid to the following topics: perception, attention, memory, imagery, intelligence, problem solving, creativity, robotics, and artificial intelligence.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 615 Health Psychology (4 credits)
The course in health psychology will provide students with a basic understanding of the involvement of psychology in the fields of medicine and health care. A general overview of psychological and physiological factors that influence disease and disorders, prevention strategies, and psychologically based interventions will be presented. In addition, topics such as stress and disease, coping with illness and pain, compliance, and positive health behavior will be discussed. The theoretical emphasis of the course will be on a bio psychosocial perspective.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology. Enrollment limited to students in the MSPSYC program. Enrollment is limited to Graduate level students.

PSY 616 Principles of Neuropsychology (4 credits)
Principles of Neuropsychology will introduce students to the current state of the field and to recognized and commonly used approaches in the clinical understanding of human brain-behavior relationships. Emphasis will be placed on how the neurological substrate of the human brain governs and influences cognition; biological bases of language, memory, spatial processing, and emotion; principles of brain organization, localization of function and individual differences; and professional and clinical issues.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology. Enrollment is limited to Graduate level students.

PSY 617 Memory Organization & Retrieval (4 credits)
This course examines a variety of issues in memory theory and research. Topics include models of memory, the effects of development and aging on memory, the relation between encoding and retrieval contexts, various sources of forgetting, amnesias, and the neurobiology of memory.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 618 Comparative Psychology (4 credits)
Comparative psychology examines the evolution and development of animal behavior. In this course, students explore the similarities and differences in the behavior and mental processes among species, with special emphasis placed on comparing the characteristics of human behavior with those of other animals.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 620 Hormones, Brain and Behavior (4 credits)
This course provides a survey of research on the relationship between the brain, hormones and social behavior (behavioral neuroendocrinology) in a wide range of species. Topics may include, but are not limited to, reproductive behavior, parental behavior, aggression, stress, sex-differences, learning and memory.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 621 Systems Neuroscience (4 credits)
This course provides an in-depth exploration of the anatomy and physiology of the nervous system. We will cover the neuroanatomy of the major subdivisions of the human brain, the major sensory and motor systems, and higher order functions.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 650 Gerontology (4 credits)
The purpose of this course is to provide both a general introduction to the multi-disciplinary field of gerontology and a specific focus on those aspects of aging that have been of particular interest to biologists and psychologists. Additionally, attention will be given to the effects aging changes have on the functioning and well-being of older adults.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
PSY 651 Adv Psychopathology (4 credits)
This course will introduce students to the current state of knowledge in the field of psychopathology, beginning with the major theoretical approaches that contribute to our understanding of abnormal behavior. In addition, this course will integrate developmental psychopathology, social psychology, and health psychology in enhancing our understanding of the etiology and course of psychopathology. Specific emphasis will be placed on examining some of the important current research issues in psychopathology, including why major depression is more prevalent among women, the linkage between autism and childhood vaccinations, and the efficacy of community-based prevention programs.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 652 Assessment and Evaluation (4 credits)
The assessment and evaluation course will introduce students to various approaches and techniques in the assessment and evaluation of healthy individuals and clinical populations. Areas to be covered will include interviewing, behavioral observation, behavioral assessment, personality assessment, aptitude testing, cognitive assessment, neuropsychological assessment, and the reliability and validity of tests and measurements. An emphasis will be placed on the administration and interpretation of questionnaires, standardized and nontraditional tests and test batteries using real-life examples.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 653 Behavioral Medicine (4 credits)
The purpose of the course in behavioral medicine will be to apply theories, techniques, and principles learned in health psychology to clinical populations. Coverage will include selected medical and psychophysiological diseases and syndromes (e.g., cardiovascular, stress disorders, chronic illnesses), psychological sequelae, and specific intervention strategies.
Restrictions: Enrollment is limited to students with a major, minor, or concentration in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 654 Developmental Psychology (4 credits)
This course reviews major theoretical perspectives and contemporary research in the field of developmental psychology. The course will examine how development in various domains (e.g., emotional, social, and cognitive) is influenced by the contexts in which development takes place (e.g., family, school, neighborhood, socioeconomic context, culture) as well as the child’s active construal of the world. Particular attention will be paid to development from birth through adolescence.
Restrictions: Enrollment limited to students in the MSPSYC program. Enrollment is limited to Graduate level students.

PSY 655 Personality and Motivation (4 credits)
PSY 656 Social Cognition (4 credits)
Social cognition is the study of the ways in which we process social information—both accurately and inaccurately—and how that information processing determines our perceptions of, and behavior within, a complex social world. Many times we are unaware of just what had influenced us, and this course will illuminate some of those external influences. Automatic and controlled processing of information, social schemas, mental short-cuts to decision-making, attitude formation and change, social stereotypes, the development of our self-concept, and person perception are a few of the many topics covered.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 659 Adv. Child Psychopathology (4 credits)
This course explores the empirical literature on the diagnosis, etiology, course, and treatment of various psychological disorders of childhood and adolescence. Students will become familiar with the DSM-IV-TR diagnostic criteria and their application to children, symptom presentation in children, and issues of differential diagnosis. We will consider how a developmental psychopathology perspective and bio psychosocial factors influence diagnosis, treatment and research of child psychopathology. Empirically supported treatments for childhood disorders will be examined. Students will become familiar with the research methodologies used to develop and evaluate treatments with the goal of becoming wise consumers of treatment research.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 660 Ethics in Psychology (4 credits)
This course will cover ethical and legal issues related to professional conduct in the practice of psychology, including topics such as ethical reasoning, the APA Ethical Principles of Psychologists and Code of Conduct, incorporating state regulations and rules of conduct, complaint resolution procedures, confidentiality, release of information, record keeping, informed consent, and the duty to warn. The course addresses ethical issues across specialties, from clinical to experimental psychology.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 661 Cross-Cultural Psychology (4 credits)
This course will provide students with an overview of theories and research related to cross-cultural psychology. Students will learn how culture is defined and studied. They will learn about the major differences and similarities that have been found among cultures. In addition, they will learn to read and critique psychological literature that deals with culture.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 662 The Nature of Emotion (4 credits)
This course will introduce students to the fastest-growing area of psychology, the science of emotion. The course will focus on the fundamental aspects of emotions, such as: What are emotions? What are the different theories put forth to understand emotions? How do emotions work? How are they instantiated in the nervous system? Additional topics include the interaction between emotion and cognition, the social nature of emotion, and the developmental process that shape emotion.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.

PSY 664 Psychology and the Law (3 credits)
This course explores the relationship between psychology and the law. Psychology studies the brain and human behavior; the law regulates human behavior and evaluates the mind. In a seminar format, we will discuss theories and research regarding social, developmental, clinical, and forensic psychology as they relate to the law, the legal system and public policy. Topics may include criminal justice, death penalty jurisprudence, mass incarceration, juries, legal decision making, expert testimony, eye witness testimony, mental capacity and competency, plea bargaining, and juveniles in the legal system.
PSY 691 Master's Research I (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the completion of a proposal for a Master's thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology. Enrollment is limited to Graduate level students.

PSY 692 Master's Research II (4 credits)
Research conducted under the direction of a member of the graduate psychology program faculty leading to the completion of a Master's thesis.
Restrictions: Enrollment is limited to students with a major in Psychology Five Year or Psychology.
PUBLIC SAFETY & ENVIRON PROT (PSE)

PSE 550 Fire Dept. Org.& Mgt. (3 credits)
PSE 551 Mgt.Prin./Practices (3 credits)
PSE 552 Sem: EPM (3 credits)
PSE 553 Sem:Disaster Plan (3 credits)
PSE 554 OSHA (3 credits)
PSE 555 Risk Analysis/Pub. Safe Sector (3 credits)
PSE 556 Industrial Hygiene (3 credits)
This course is designed to provide a broad overview of industrial hygiene principles. It will examine the various types of chemical, physical, biological and radiological hazards present in the workplace and the potential risks of employee exposures. It will also evaluate regulatory compliance issues and focus on special hazards found in various environments.
Restrictions: Enrollment is limited to Graduate level students.
PSE 557 Env. Law & Enf. (3 credits)
This course will examine the regulatory and compliance issues involved in the area of environmental law. It will focus on the substantive and procedural elements of federal, state and local legislation and court decisions surrounding air, water and ground pollution. Finally, it will focus in developing a strategic and responsible approach to issues of compliance and control of environmental hazards.
Restrictions: Enrollment is limited to Graduate level students.
PSE 558 Pub Safety Budget & Finance (3 credits)
PSE 559 Principles of Emergency Mgmt (3 credits)
PSE 560 Sem:Target Hazard (3 credits)
This course will focus on the special problems of fire, safety and emergency management presented to local public safety agencies by high risk or target hazards such as chemical plants, refineries, railroads, airports, port facilities, etc. It will analyze the unique challenges of prevention, protection and control at such major facilities and examine strategic approaches to ongoing and major incident planning. The course will integrate fire and safety codes that are related to specific target hazard occupancies.
Restrictions: Enrollment is limited to Graduate level students.
PSE 561 Ethics & Leadership (3 credits)
PSE 601 Fire Prot.Planning (3 credits)
This course will focus on the environmental factors and processes involved in developing a comprehensive master plan for the provision of fire protection and emergency services. The course will focus on the broad social, political and economic issues involved in emergency planning, community master planning, and local emergency services. Finally, the course will examine future possibilities for regionalization, inter-local cooperation, disaster management and technological improvements.
Restrictions: Enrollment is limited to Graduate level students.
PSE 602 Research&Eval (3 credits)
PSE 603 EMS Mgt. (3 credits)
Emergency medical services is the third side to the public safety triangle. EMS provides direct "hands on" personal care to those fallen victim to illness or injury. Though identical to the Fire Service's use of paid and volunteer staff, EMS responds to higher call volumes, operates under scrutiny of the Department of Health and receives reimbursement for services rendered. This course will address finance, delivery systems, specialized services and patient/personnel needs in EMS.
Restrictions: Enrollment is limited to Graduate level students.
PSE 604 CISM (3 credits)
This course will focus on critical incidents, disasters and other traumatic events which often produce effects that disrupt the abilities and well-being of the individuals, organizations and communities that experience the event. It will examine critical incident stress management, prevention and mitigation strategies and protocols that can be used in the workplace and community. We will also investigate the principles of individual stress management and stress proofing.
Restrictions: Enrollment is limited to Graduate level students.
PSE 605 EPA/OSHA Issues (3 credits)
This course will focus on the unique and special problems of environmental, health and safety issues found in health care and medical facilities such as waste-stream management, personnel training and trends in regulatory policy. It will also focus on the impact of survey/accreditation by the Joint Council of Hospital Organizations and techniques and issues of compliance. Pre-requisite: FIN 550.
Restrictions: Enrollment is limited to Graduate level students.
PSE 606 Behav.Aspects (3 credits)
This course provides a critical examination of the physical and social work environment and its role in causing and preventing occupational accidents and disasters. This course focuses on the techniques and theory of Applied Behavior Analysis as the conceptual basis for developing measurement, recording, intervention and evaluation strategies. Long-term maintenance, cost/benefit analysis, the roles of antecedents and consequences and problem solving strategies are stressed.
Restrictions: Enrollment is limited to Graduate level students.
PSE 607 Sem: Env. Crime (3 credits)
PSE 608 Strat.Planning (3 credits)
This course provides the concept and framework for the development of a strategic plan for the functions of public safety, law enforcement, fire protection, emergency medical service, general safety and environmental safety. A study of the public safety function related to a framework for effective organizational management and performance will be evaluated. This course guides the student through the process of understanding the needs, resources and capabilities of the organization and how to establish a plan to achieve improved performance over time.
Restrictions: Enrollment is limited to Graduate level students.
PSE 609 EPA/OSHA Auditing (3 credits)
This course will examine the specific elements and procedures involved in conducting environmental and health/safety audits at a facility or a site. The course will define the steps involved in such audits and examine the physical, technological, legal and economic dimensions of the auditing process as a means of continuing control and evaluation of hazards and mitigation strategies.
Restrictions: Enrollment is limited to Graduate level students.
PSE 610 Env. Waste (3 credits)
This course will examine the rules that govern the management of hazardous and other solid wastes, including industrial, household and medical wastes. The course will examine the requirements governing waste generation, storage transportation, processing, treatment and disposal as well as the closure and remediation requirements for waste sites. The course will also examine the relationship between Federal and State rules as they apply to the management of waste and enforcement issues to waste management.

Restrictions: Enrollment is limited to Graduate level students.

PSE 611 Sem: Global Chm Reg & Comp Mgmt (3 credits)
This graduate level course will provide an in-depth review of the current international chemical regulations affecting U.S. businesses on various levels of operation, including research and development, chemical product exportation and distribution, global sales and marketing plans, and regulatory management strategies. Focus will be given to the new regulations in North America, Europe, Asia, and the United Nations as well as a review of the government agencies enforcing these regulations.

Restrictions: Enrollment is limited to Graduate level students.

PSE 770 Ind. Study (3 credits)
This independent study entails the application of a research project to a particular issue or problem of public safety. Requires permission of Program Director.

Restrictions: Enrollment is limited to Graduate level students.

PSE 795 Case Study (3 credits)
This case study entails the application of a research project to a particular issue or problem of public safety. Requires permission of Program Director.

Restrictions: Enrollment is limited to Graduate level students.

Attributes: Capstone Course
PURCHASING/ACQUISITION (PUR)

PUR N001 Non-Credit Art of Negotiation (1 credit)
PUR N002 Non-Credit Purchasing Process (1 credit)
PUR N003 Non-Credit Supply Environment (1 credit)
PUR N004 Non-Credit Value Enhanc Strat (1 credit)
PUR N005 Non-Credit Management (1 credit)
PUR N006 Non-Credit Intro Publ Procure (1 credit)
PUR 101 Supply Chain Fundamentals (3 credits)
PUR 210 Global Supply Management (3 credits)
PUR 215 Materials, Logistics & Distrib (3 credits)
PUR 225 Contract Law and Development (3 credits)
PUR 230 Strat. Supply Chain Concep&Tec (3 credits)
PUR 235 Purchasing & Contract Law (3 credits)
PUR 240 Negotiations (3 credits)
PUR 245 Ethics in Supply Chain (3 credits)
PUR 255 Risk Mgmt/Disaster Recovery (3 credits)
REAL ESTATE FINANCE (REF)

REF 301 Commerc Real Estate Valuation (3 credits)
This course is designed to allow students to apply their existing Finance skills to commercial real estate analysis and decision-making. Topics covered will include legal issues, appraisal techniques, and leasing. Students will develop and analyze the cash flows and economic returns of commercial real estate properties including office, industrial, retail, multifamily, hotel and land development. Students will also analyze forms of real estate finance ranging from fully amortized constant payment loans, to price-level adjusted mortgages, to bullet loans, to participating mortgages. Prerequisite: FIN 200
Prerequisites: FIN 200
Attributes: Undergraduate

REF 303 Residential Loans & Investments (3 credits)
This course will allow students to understand the legal, regulatory and economic principles behind residential real estate financing, including its history and importance to the U.S. economy. The course will examine the spectrum of loan products and pricing, and will review the roles of different retail and wholesale originators including banks, mortgage bankers, brokers, and servicers. Students will also learn the roles of all of the parties to a residential real estate transaction. The course will examine the secondary markets, including the structuring, securitization, valuation, distribution, and investors of mortgage backed securities (MBS). Prerequisite: FIN 200
Prerequisites: FIN 200
Attributes: Undergraduate

REF 400 Commercial Real Estate Dev (3 credits)
This course introduces commercial real estate as an industry comprised of many sectors and property types. Developers are the unifying factor that bring these elements together to create facilities that contribute to their communities and local economies. The course presents the development process from concept, planning, financing, construction, completion, occupancy, management and exit strategy. Students will learn the analysis and critical thinking necessary for a developer to obtain financing, raise investment capital, secure government approvals to complete a successful project. Prerequisite: REF 301
Prerequisites: REF 301
Attributes: Undergraduate
RELIGIOUS STUDIES (REL)

REL 101 Comparative Religion (3 credits)
An Introduction to the comparative study of religion which examines the historical evolution of religions, nature and diversity of religious experience, the concept of a religious world and the diverse types of religious worldviews, the role of myth and ritual in the maintenance of religious worlds, the problem of religious change and the concept of transcendent. Religious Difference. 

Attributes: Religious Difference Course, Theology Level 1, Undergraduate

REL 150 Freshmen Seminar Course (3 credits)
Seminar subjects vary.

Attributes: First-Year Seminar, Undergraduate

REL 211 Hebrew Bible (3 credits)
This course will examine the biblical traditions and texts of the Hebrew Scriptures as products of particular historical and cultural communities, and as literary and theological documents. Religious Difference. 

Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 2, Undergraduate

REL 212 Israelite Religion (3 credits)
Combining the evidence of biblical texts and ancient Near Eastern texts, this course analyzes the historical and social context of religion in ancient Israel. Special topics include the worship of different deities; the priesthood and the system of sacrifices in the Temple; the relationship between politics and religion, and some specific religious practices maintained by kings David, Solomon and their successors (such as prophecy, holy war and child sacrifice); popular religious practices (such as devotion to the dead and magic); and the origins and development of monotheism, the concept of the messiah and other ideas central to the origins of Judaism and Christianity. Religious Difference. 

Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 2, Undergraduate

REL 221 Intro to the New Testament (3 credits)
This course will examine the biblical traditions and texts of the Christian Scriptures as products of particular historical and cultural communities, and as literary and theological documents. 

Attributes: Ancient Studies Course, Theology Level 2, Undergraduate

REL 231 Judaism (3 credits)
A comprehensive survey of the development of Judaism from its pre-exilic roots to the present, to include the evolution of its theology, ethics, and traditions. The impact of the modern world upon traditional Judaism; major movements within Judaism today and their beliefs about God, Torah, and Israel. Religious Difference. 

Attributes: Religious Difference Course, Theology Level 2, Undergraduate

REL 241 Islam (3 credits)
An introduction to the historical development of Islam together with its basic beliefs and practices, from the time of Muhammad to the modern period. The prophet Muhammad, the Qur’an and Hadith, the Shar’iah, Kalam, Shiism, Sufism, and Islamic modernism will be examined. Non-Western Studies, Religious Difference. 

Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 251 Religions of Ancient India (3 credits)
REL 261 Hinduism (3 credits)
A survey of the Hindu religious traditions on the Indian subcontinent with a focus on the period from the Epic (c. 200 BCE-200 CE) until modern times. The major forms of Hindu belief and practice will be covered: Vaishnavism, Shaivism, traditions of the Goddess, and popular village traditions. Non-Western Studies, Religious Difference. 

Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 270 Special Topics in Relig Stud (3 credits)
Concentrated focus on a selected theme in theology or religion at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes, but only one course at the second level will satisfy the Theology GER, pending approval. 

Attributes: Theology Level 2, Undergraduate

REL 271 African & Caribbean Religions (3 credits)
An examination of selected indigenous African religious traditions in their native contexts and/or religious traditions of indigenous African origin that have developed in the Caribbean and related contexts outside of Africa. Topics may vary, but representative samples may include a focus on individual systems (such as Haitian Vodou) or phenomena found in a number of systems (such as rites of passage). Religious Difference. 

Attributes: Africana Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 272 Relig/Glob - Rights - Bolivia (3 credits)
Emil Durkheim has described a religion as a unified system of beliefs and practices relative to the sacred that unite into a single moral community those who adhere to them. This course will apply the methods of the History of Religions to discover those religious beliefs and practices shared by indigenous populations of Bolivia that, in some senses, unite them into a “single moral community.” The class will first examine central religious beliefs of indigenous Bolivian religions (e.g., cosmology, communal origin myths, spirits and divine figures, rituals and ritual spaces, and the relationship of natural and supernatural). Along the way, the class will wrestle with broader questions in the study of religion, such as interpreting the archeological record, inducing religious experience, and relationship between religious authority and social or political power. The class will then explore the moral implications of these beliefs. The course will pay particular attention to the economic sphere, using case studies to explore how indigenous beliefs and practices are shaping distinctive economic forms that contrast those typically promoted by global capitalism. Ethics Intensive, Religious Difference. 

REL 311 Comparative Religious Ethics (3 credits)
Comparative religious ethics is a field of study that explores what different religious traditions say (and have said) about important ethical and moral questions, past and present. This course aims to provide students with the tools and knowledge to understand, comparatively analyze, and evaluate the ethical teachings and moral prescriptions of the religious traditions of Judaism, Christianity, and Islam. Students will examine the similarities and differences between the ways in which each of these religious traditions form and inform the ethical and moral aspects of the lives of their adherents. Prior knowledge of Judaism, Christianity, and/or Islam is preferred but not required. Students with no knowledge of one or more of these traditions will be assigned extra readings for the first few weeks of class. Religious Difference, Ethics Intensive. 

Prerequisites: PHL 154 

Attributes: Ethics Intensive (New GEP), Religious Difference Course, Theology Level 3, Undergraduate
REL 312 Spirit Disc in Compar Perspect (3 credits)
Throughout the world’s religious traditions we find a variety of spiritual disciplines pursued by individuals in the hope of transforming an existence experienced as sinful, delusory, fragmented or otherwise unsatisfactory into one that is graced, enlightened, whole. The specific methods employed vary widely, as do their specific goals. Nevertheless, when viewed from a comparative perspective many of these practices share elements in common. This course will examine a number of such spiritual disciplines, drawn from the traditions of Hinduism, Buddhism, Greco-Roman Hellenism, and Christianity. Attention will be given to issues of their historical development, diversity of form, points of similarity and contemporary relevance. Religious Difference
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

REL 321 Religion & Law in the Anc World (3 credits)
This course looks at the world’s earliest known law: the law of ancient Sumer, Babylon, Egypt, and other ancient Near Eastern societies. The course goes on to examine the relationship between these legal systems and the legal texts of ancient Israel and Judah found in the Hebrew Bible, as well as other issues related to the study of biblical law. Finally, the course considers the legacy of ancient Near Eastern law and its impact on the development of modern legal institutions and systems. Religious Difference.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 322 Myth and History in the Bible (3 credits)
This course examines a range of narratives from the Bible and considers how they functioned in the ancient communities from which they come. It looks at the role of myth and the nature of history writing in the ancient world and explores ways to identify both genres in biblical texts. It also examines current debates over what should count as history in the Bible and the impact of archaeological and extra-biblical literary evidence on these debates. The course will focus primarily on narratives from the Hebrew Bible (e.g., creation myths, ancestral and royal legends, political-historical narratives), though some stories from the New Testament may be considered as well. Religious Difference. Faith and Reason.
Prerequisites: PHL 154 or THE 221
Attributes: Ancient Studies Course, Faith-Reason Course (New GEP), Religious Difference Course, Theology Level 3, Undergraduate

REL 323 Psalms (3 credits)
The most influential of all Old Testament books on Christian spirituality, the Psalms offer a special glimpse into the religious life of ancient Israel. Placed within their larger historical background, psalms of various types (laments, hymns, royal and wisdom psalms, etc.) will be studied for their literary and religious character. The question of the Psalter’s theology as a whole will be addressed as well.

REL 325 Synoptic Gospels (3 credits)
This course will progress in two movements. It first will investigate the historical background of the growth of the gospel tradition. It then will read the Gospels as viable literary texts, making use of the most recent advances in the literary critical study of Matthew, Mark, and Luke-Acts. In this way, the course will focus upon the theological uniqueness of each book, as well as tracing their interrelatedness.
Attributes: Theology Level 3, Undergraduate

REL 326 Letters of Paul (3 credits)
The aim of this course is to examine the main characteristics of Paul’s faith as found in his epistles. The course will establish the broad argument of each of the letters, their historical setting, and their literary and rhetorical character, and demonstrate how these elements work together to express Paul’s gospel. Faith and Reason.
Attributes: Ancient Studies Course, Faith-Reason Course (New GEP)

REL 327 Religion & Race in Phila. (3 credits)
This course examines the co-constitution of religious beliefs, racial identities, and regional cultures from an historical perspective primarily in the urban Northeast. We will examine how transatlantic and transnational African and European religious traditions (real, imagined, historical, invented) shaped that history. Because this is a religious studies course, we will think about religions as institutions that profoundly influence individual’s epistemologies and actions, as well as the communities, societies, and nations, in which they are located. We will understand race as a social construction that emerged in recent centuries in concert with religious (and scientific) ideas about human origins and anthropologies. Most importantly, we will see how these two constructs - "race" and "religion" - developed and evolved in a particular region of the United States to make visible place-based distinctions and geo-cultural histories. A complicated, multi-scalar picture will emerge of the varied ways in which beliefs, identities, and places influence and are implicated by one another. Diversity, Writing Intensive (when offered in that format).
Prerequisites: ENG 101
Attributes: Diversity Course (New GEP)

REL 328 Global Christianities (3 credits)
Africa is home to the largest population of many Christian denominations in the world and home of the fastest growing concentration of Christians in the world. This course will examine the variety of Christianities in Africa in their global context and explore how Christianity there is influencing and being influenced by Christianity worldwide. Students will learn to problematize, to complicate, and to relentlessly question prevailing religious and cultural ideas about the other, where those ideas originate, how they are constructed and maintained, and who that maintenance and construction serves.
Attributes: Diversity Course (New GEP)

REL 331 Topics in Ancient Judaism (3 credits)
Study of a selected topic in Judaism in the Persian, Hellenistic, and Roman periods. Sample topics include collections of texts, such as the Dead Sea Scrolls or works of Josephus; regions or cities, such as Judaism in Egypt or Jerusalem; a series of events, such as the Maccabean Revolt; an individual or group, such as the Herodian dynasty; or a theme, such as Judean interactions with imperial powers. Course may be taken more than once for credit as topic changes.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate
REL 332 Past/Present in ISR and PLS (3 credits)
This study tour combines excavating the archaeological site of Tel Dor, Israel, with travel in the country before, during, and after the excavation season. By participating on a dig, students gain first-hand knowledge of both historical and modern day Israel and the rich history that gives rise to the complexities of the modern Middle East. Digging brings the social, economic, political, intellectual, and religious history of the site "to life" through uncovering and then analyzing the ancient remains—the architecture with associated vestiges of daily life. Students will be part of every step of the archeological process from digging, processing, and analyzing to recording and storage. To witness the full range of historical periods presented in lectures, we will visit the archeological sites of Caesarea, Megiddo, Sepphoris, Beth Shean, Belvoir, Masada and Qumran, spanning the Canaanite through the Crusader periods (20th c. BC – 12th c. AD). The Early, Middle and Late Bronze and Iron Ages, and the Persian Hellenistic, Roman, Byzantine, First Moslem, and Crusader Periods. Before, during and after the excavation season the group will tour the cities of Jerusalem, Tel Aviv, Haifa, and Nazareth, focusing on the historical interaction of Christians, Jews, and Muslims. Religious Difference, Study Tour.
Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 333 Jerusalem: History & Holiness (3 credits)
The city of Jerusalem has had a nearly unsurpassed historical and religious prominence for three millennia, right up through the present. In this course we will explore Jerusalem from multiple, complementary perspectives. We will consider the history of the city as well as religious developments within the Jewish, Christian, and Muslim traditions. We will begin with biblical Jerusalem and then move forward in time, highlighting periods, events, and ideas that have lasting influence through close studies and discussions of selected topics. We will draw on theoretical approaches to the study of sacred space using tools from the field of comparative religion. Religious Difference
Attributes: Religious Difference Course, Undergraduate

REL 334 Rise of Rab Judaism & Xianity (3 credits)
In the aftermath of the Nazi genocide of Jews in the 20th century, and with new discoveries such as the Dead Sea Scrolls, scholars from many disciplines have sought to better understand the origins of Rabbinic Judaism and Christianity. A growing consensus sees their emergence in the Roman period as the result of a complex series of responses to historical events, particularly the destruction of the Second Temple in Jerusalem in the year 70 C.E. Not only were defining features of each tradition established, but the basic dynamic of their interrelationship was set and would prevail for nearly two millennia. This course provides an in-depth study of religious differentiation by surveying the history, beliefs, and practices of biblical Israel, late Second Temple Judaism, the church as a Jewish eschatological movement, and ultimately Rabbinic Judaism and patristic Christianity in the post-Temple Roman world. Special attention is devoted to the construction of their distinctive and sometimes opposed religious identities. Religious Difference.
Attributes: Religious Difference Course, Undergraduate

REL 335 Christian Origins (3 credits)
REL 336 Jewish Thought (3 credits)
This course will introduce students to Jewish theology from biblical to modern times. It will focus on selected topics such as God, revelation, ethics and human nature, chosenness, Jewish views of other religions, messianism, the afterlife, and suffering and evil (with special reference to the Holocaust). Religious Difference.
Attributes: Religious Difference Course, Undergraduate

REL 337 Sabbath in Judaism&Christianity (3 credits)
In our modern lives, it is hard to imagine 'shutting off'. However, the observance of a Sabbath is valued in Judaism and Christianity. This course considers the Sabbath as not just abstinence from work but entry into sacred time. It covers the biblical period through the present, and includes diverse forms of observance and claims for its significance. We will study the Sabbath primarily in the Jewish tradition, and explore the tensions between adherence to biblical models and adaption to new circumstances. We will focus on biblical interpretation as context within which the Sabbath evolved and was (re)defined, and consider the Sabbath as mythological time, as a marker of social identity, and as a practice governed by religious law. We will also consider the Sabbath in the Christian tradition, especially where Christian observance diverges from Jewish observance, such as the shift from Saturday to Sunday. Religious Difference
Attributes: Religious Difference Course, Undergraduate

REL 338 Jew&Chr Responses to Holocaust (3 credits)
The Jewish Holocaust represents the classic negative event of our age, a manifestation of evil transcending the human imagination. This course will examine how Jews and Christians have responded to this event and why it caused changes in both Jewish and Christian self-understandings. The course will introduce students to the personages, issues and events of the Holocaust, before turning to religious and moral issues such as suffering and guilt. Religious Difference
Attributes: European Studies Course, Faith Justice Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 341 The Quran and Its Interpreters (3 credits)
This course will explore a basic source of Islamic faith and practice, the Quran and its interpretation. We will examine compilation of the Quran, its major themes, and samples from its reception history, both classical and modern. We shall investigate how this 1400-years old text has been interpreted in many different ways, by analyzing legal, theological, mystical, existential, feminist and critical perspectives on it. We shall also make occasional comparisons with the Bible and its interpretation. The course will enable the student to have better insight not only on the Quran, but also on the process of interpretation of sacred texts. Religious Difference, Non-Western Studies.
Attributes: Africana Studies Course, Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 3, Undergraduate

REL 342 Women in Muslim Tradition (3 credits)
This course will seek to comprehend and explain some of the major aspects of the life and culture of Muslim women. Women are and have always been an integral part of the Muslim society, contrary to what might be generally portrayed and perceived. Far from being a monolithic culture or society, the Muslim world comprises many diverse cultural tendencies, which make it difficult to generalize. Thus in order to study Muslim women and their status, role and situation, we will touch upon the difference historical, political, and economic forces that have shaped the culture of the Muslim world as a whole. We will be exploring the religious and social issues that have been central during the modern transformation of Muslims societies and will touch upon how Muslim women are portrayed in the media and the ramifications of such portrayal. Religious Difference, Non-Western Studies.
Attributes: Africana Studies Course, Asian Studies Course, Non-Western Studies (GEP), Theology Level 3, Undergraduate
REL 343 Reason Science & Faith in Islam (3 credits)
This course has three major parts. In the first part, we shall look at primary sources of Islam tradition, that of Qur’an and hadith, which will give us a starting point as we turn to the ways in which miracles have been discussed in the tradition. In the second part, we shall look at two classical Muslim thinkers, Ghazali and Ibn Rushd, who differed on miracles as well as on the relation between reason and faith. Analyzing their disagreement will offer us critical insights about common sense, science, rationality and dynamics of Qurbanic interpretation. In the third part, we shall look at contemporary interpretation of miracles as well as the relation between faith and reason by looking at a crucial Muslim thinker, Bediuzzaman Said Nursi, as well as some of the other approaches to science in modern era. In this part we shall also engage with the epistemological and scientific implications of Islamic understandings of miracles with the help of two Western thinkers, David Hume and Charles S. Peirce. In the final portion of the course, students will present their research on the issue of the relation between reason, science and faith in Muslim context. Religious Difference, Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)  
Attributes: Faith-Reason Course (New GEP), Religious Difference Course

REL 351 Indian Buddhism (3 credits)
The development of the Buddhist religion from the time of its founder, Siddhartha Gautama, until its decline in India in the 12th century. The basic teachings of the Buddha, the early Buddhist community or Sangha, the elaboration of the Abhidharma, the rise of Mahayana Buddhism and the development of Tantra will be covered. Religious Difference.  
Attributes: Asian Studies Course, Religious Difference Course, Theology Level 2, Undergraduate

REL 352 East Asian Buddhism (3 credits)
The focus of this course will be on the form of Buddhism that has been dominant in East Asia, a form known as “Great Vehicle” or Mahayana Buddhism. After quickly examining the origin and development of Buddhism in India this course will examine its development in China in some depth, as well as its spread to Korea and Japan. Religious Difference, Non-Western Studies.  
Attributes: Asian Studies Course, Non-Western Studies (GEP), Religious Difference Course, Theology Level 2, Undergraduate

REL 353 Buddhist Ethics (3 credits)

REL 354 China & Creation E Asian Buddh (3 credits)

REL 355 Superhumans in Chinese Relig (3 credits)
This course examines four religions of China—Confucianism, Daoism, Chinese “folk” or popular religion, and Buddhism—in their historical and contemporary contexts. As its title suggests, the class is built around an exploration of the important role that superhumans such as demons, dragons, buddhas, and ghosts play in each of these traditions. Taking as our starting point the Ming period (1368-1644) popular novel, Monkey, in this class we will examine a wide range of primary and secondary sources including paintings, websites, poetry, scripture, articles of clothing, miracle stories, newspapers, statuary, and ritual implements. By combining an historical overview of the topic with a hands-on exploration of the manner in which practices and 445 beliefs related to superhumans remains relevant in China today, the class aims to deepen students’ appreciation of the ways religion continues to shape world events, national policy, daily life, and cultural production within and beyond the region.
REL 358 Yoga: Ancient & Modern Paths to Freedom (3 credits)
In this course we will explore the fascinating world of yoga as it has evolved in South Asia (the Indian subcontinent), where it has for millennia been associated with a pronounced South Asian interest in both "world renunciation," and "Axial Age" value that has significantly shaped the worldviews of at least three religions of South Asian origin: Hinduism, Buddhism and Jainism, as well as in the acquisition of power, both "worldly" and "supernatural." We will also examine how yoga traditions were transformed by India's encounter with the West both during colonial times and during the second half of the 20th century. Issues of particular concern, as we trace these developments, will be the historical and cultural contexts of yoga in South Asia, the relationship between yoga practice and South Asian religious beliefs, in particular traditions of religious renunciation, the role of South Asian constructions of concepts of the role of "body" and "mind" in spiritual practice (and the relationships of health, spirituality and religion), the role of yoga as a symbol of the "spiritual East" in the contexts of colonialism and post-colonial nationalism in India as well as it commodification in the contemporary global environment. We will also be examining yoga's "journey to the West" and its status in contemporary American life by examining the genesis of "modem postural yoga," the form of yoga with which most people are familiar (the form of yoga that focuses on the performance of various yoga postures or asana, such as triangle pose, head stand, etc.) While the focus will be on the specific traditions labeled "yoga," the course will also serve as an introduction of the religious of South Asia, since historically yoga and all its varieties has been embedded in specific South Asian religious worldview. While some attention will be given to Buddhist forms of yoga, the principal focus will be on the traditions associated with the Vedic and Hindu religious traditions, and their modern transformations. Religious Difference, Non-Western Studies.

Attributes: Religious Difference Course, Non-Western Studies (GEP), Religious Difference Course, Undergraduate

REL 359 Meditation, Yoga and the Dao (3 credits)
What is the purpose of life, and how is this purpose to be realized? This course will examine four influential Asian spiritual traditions that offer a variety of answers to these questions, two of which originated in ancient India (Buddhism and that component of the Hindu religious traditions known as yoga) and two in China (Confucian and Daoist traditions of self-cultivation). Each of these traditions in its own way argues that the true potential of a human being is realized only through a process of transformation, which leads from a condition of deficiency (characterized variously as suffering, ignorance, lack of vitality, imbalance, and ultimately mortality) to a condition of true freedom and happiness. The course will examine these traditions both in their original Asian contexts and in the adaptations in Western culture, paying particular attention to research that provides scientific models for thinking about the value of such transformative practices. Religious Difference.

Attributes: Religious Difference Course, Undergraduate

REL 363 Ethical Tradns of East Asia (3 credits)
REL 370 Spec Topics in Relig Studies (3 credits)
Concentrated focus on a selected theme in theology or religion at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes. Other Certifications vary by section.

Attributes: Theology Level 3, Undergraduate

REL 382 Women & Religion in Anc Wrld (3 credits)
Investigation of issues related to women and gender through case studies from selected religions in periods from the Paleolithic to Late Antiquity. Primary sources will illustrate problems such as gender identity, difference, sameness, subordination, privilege, cultural dynamics, marginalization, oppression, resistance, and the role of women in biological, social and cultural change. Examples may include materials from the complex of Israelite, ancient Jewish, and early Christian religions, but appreciation for diversity will be encouraged by giving significant attention to religions outside of these traditions. Emphasis will be place on developing epistemological, theoretical, and methodological awareness and critical understanding of the implications for the broader study of religion, gender, and human diversity. Religious Difference, Diversity.

Attributes: Diversity Course (New GEP), Gender Studies Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 383 Ancient Greek Religions (3 credits)
This course will be an introduction to the world of thought and practice that contemporary scholars call ancient Greek religion. The main materials of the course will be drawn from the ancient Greeks themselves—from poets, artists, playwrights, and mythographers. Emphasis will be placed on the myths and festivals that formed the fabric of ancient Greek religious practice and outlook. Ancient perspectives on cosmos (universe), polis (city and its society), psyche (self) and theos (gods) will be explored. Religious Difference, Ancient Studies.

Attributes: Ancient Studies Course, Religious Difference Course, Theology Level 3, Undergraduate

REL 392 Direct Readings in Religion (3 credits)
A study of significant themes or issues in Theology or Religious Studies under the direction of faculty in the department. Frequent consultations and written reports are required. Prior written permission of the instructor and approval from the chair is required. Normally this course is restricted to theology majors and minors. Does not fulfill the Theology/Religious Studies GEP.

REL 395 Approaches to Study of Religion (3 credits)
A selected survey of the variety of theories and methodological approaches employed in the modern academic study of religion. Approaches to be examined in class include the psychological, sociological, anthropological, archeological, theological, feminist, and socio-biological. Classic thinkers may be included, but most of the course will focus on authors who represent recent developments, such as the new evolutionary approaches to religion. Course work will emphasize direct engagement with the writings of the major theorists themselves (reading and analysis of primary texts). Faith and Reason. Faith and Reason, Writing Intensive (when offered in that format)

Prerequisites: (THE 154 or THE 221) and PHL 154

Attributes: Faith-Reason Course (New GEP)

REL 470 Spec Topics in Relig Studies (3 credits)

REL 493 Ind. Research in Religion (3 credits)
Directed independent reading and research supported by discussion with other students and instructors. Open to senior theology majors and minors and other senior students by permission of the Chair. Does not fulfill the Theology/Religious Studies GEP.

Attributes: Theology Level 3, Undergraduate
REL 494 Ind. Research in Religion (3 credits)
Directed independent reading and research supported by discussion with other students and instructors. Open to senior theology majors and minors and other senior students by permission of the Chair. Does not fulfill the Theology/Religious Studies GEP.

Attributes: Undergraduate

REL 495 Theory & Method Study Religion (3 credits)
A survey of a wide array of theories and methods employed in the modern study of religion, such as psychological, sociological, anthropological, phenomenological, feminist, socio-biological, and other approaches. Both classic and recent theoretical models will be discussed, with special interest in current methodological developments in the academic study of religion. Emphasis will be placed on direct engagement with the writings of the major theorists themselves. Open to junior and senior theology majors and minors and other junior and senior students by permission of the Chair. Does not fulfill the Theology/Religious studies GEP.

Prerequisites: PHL 154 and THE 154
RISK MANAGEMENT & INSURANCE (RMI)

RMI 150 N. Disasters & C. Recovery (3 credits)

RMI 200 Introduction to Insurance (3 credits)
This course is the introductory course of the risk management and insurance program. It also covers the insurance component of the financial planning track. The focus of the course is to introduce the students to the terminology of insurance. To understand insurance, students need to review contract law and agency relationships. Also provided is an overview of the financial services industry. Once these areas have been covered, the course will examine personal property and liability insurance, commercial property and general liability insurance. In addition, there will be a discussion of employee benefits, medical plans, and social insurance programs. This course is also approved under The Institutes Collegiate Studies for CPCU program. Prerequisite: RMI 200. Attributes: Undergraduate

RMI 300 Property and Casualty (3 credits)
This course addresses the property and casualty insurance business, markets, and types of companies. The course provides a review of the commercial property and casualty insurance products with a particular focus on the underlying exposure to loss, insurance policy coverage, and exclusions. In addition this course analyzes the Property/Casualty market and explores current issues in the Property/Casualty insurance industry. This course is closely aligned with the industry designation exam, CPCU 557. This course is also approved under The Institutes Collegiate Studies for CPCU program. Prerequisite: RMI 200. Attributes: Undergraduate

RMI 301 Corporate Risk Management (3 credits)
This course provides a survey of risk management theory and practice as it relates to corporate risk management. The course then takes a detailed examination of the value proposition for corporate risk management (for individuals as well as corporations). The course then has students apply the risk management process to a publicly-traded corporation. The course guides students through a risk financing simulation exercise, optimizing hedges given practical constraints for individual risks as well as for collections of risks. The course explores disaster recovery strategies by working through real-world examples. The course concludes with motivating the principles of enterprise risk management by examining both the advantages and potential pitfalls associated with developing portfolio models of the firm's risks. This course is aligned with the industry designation exam, ARM 54. Prerequisites: (FIN 1341 or FIN 1345) or FIN 200 and DSS 210 Attributes: Undergraduate

RMI 310 Insurance Company Operations (3 credits)
The course covers how property-casualty insurance functions work together to create and deliver products. The various functions covered include: Underwriting, Marketing and Distribution; Risk Control and Premium Auditing; Claims; Actuarial Operations; Information Technology; Reinsurance; and Regulation. This course is closely aligned with the industry designation exam, CPCU 520. This course is also approved under The Institutes Collegiate Studies for CPCU program. Prerequisite: RMI 200. Attributes: Undergraduate

RMI 320 Alternate Risk Financing (3 credits)
The course covers off-shore financing, role of reinsurance, history of alternative risk financing, forecasting risk loss, capital market functions, forming captive insurance companies, and use of derivatives in risk management. This course is closely aligned with the industry designation exam, ARM 56. This course is also approved under The Institutes Collegiate Studies for CPCU program. Prerequisite: FIN 200 Attributes: Undergraduate

RMI 370 Topics in RMI (3 credits)
This course is designed to give greater coverage to those risk management and insurance topics that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: RMI 200, or (FIN 200, DSS 210) - depending upon whether the topic relates to ‘insurance’ or ‘risk management’ - and additional courses as determined by the instructor. Attributes: Undergraduate

RMI 371 Topics in Risk Mgt & Insurance (3 credits)
This course is designed to give greater coverage to those risk management and insurance topics that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: RMI 200, or (FIN 200, DSS 210) - depending upon whether the topic relates to ‘insurance’ or ‘risk management’ - and additional courses as determined by the instructor. Prerequisites: RMI 200 or (FIN 200 and DSS 210) Attributes: Undergraduate

RMI 400 Underwriting (3 credits)
This course covers property and casualty underwriting through the principles of underwriting; strategic underwriting techniques; the insurance production environment; and insurance agency management tools and processes. Students will learn to assess whether to accept insurance risks (or groups of risks) and at what price. Prerequisite: RMI 300. Attributes: Undergraduate

RMI 401 Life and Health RM (3 credits)

RMI 410 Enterprise Risk Management (3 credits)
This course will cover the latest methodologies in enterprise risk management (ERM) and how they are implemented in practice. Enterprise risk management (ERM) is a significant advancement in the field of risk management, addressing limitations with the traditional, “siloed” approach to risk management. ERM provides a better framework for fundamental risk-return decision-making at the highest levels of the organization. This course will address extracting information from risk experts; converting information from risk experts into quantitative ERM information; and quantifying risks using a value-based ERM model. Prerequisite: RMI 301 Attributes: Undergraduate

RMI 470 Topics in RMI (3 credits)
This course is an upper division course designed to give greater coverage to those risk management and insurance topics that are not covered in great detail in other courses. The prerequisites and topics selected are at the discretion of the instructor. Prerequisites: RMI 200, FIN 200, DSS 210, and additional 300-level courses as determined by the instructor. Prerequisites: (RMI 200 or FIN 2541) and (DSS 210 or DSS 1311 or DSS 1313 or DSS 1615 or MAT 1181) Attributes: Undergraduate
RMI 493 Individual Research in RMI (3 credits)
Independent study may be approved to allow a student to pursue an in-depth study of an RMI topic. Acceptable Independent Study topics include traditional research/reading programs as well as rigorous pre-approved internship programs with an appropriate academic component, as defined by the Department chair. Prerequisites: RMI 200, FIN 200, DSS 210, at least Junior standing, and permission of the Department Chair.

Prerequisites: RMI 200 and FIN 200 and DSS 210
Restrictions: Enrollment limited to students with a class of Junior or Senior.
Attributes: Undergraduate
RUSSIAN (RUS)

RUS 101 Beginning Russian I (4 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice low/middle level according to ACTFL – American Council on Teaching Foreign Languages. This course is reserved for students with no experience in the Russian language.
Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of RU101
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Undergraduate

RUS 102 Beginning Russian II (4 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice mid level according to ACTFL – American Council on Teaching Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: RUS 101 or Russian 102 Placement with a score of 1 or Language Placement with a score of RU102
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Undergraduate

RUS 201 Intermediate Russian I (3 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice high level according to ACTFL – American Council on Teaching Foreign Languages. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of RU201
Attributes: Undergraduate

RUS 202 Intermediate Russian II (3 credits)
Proficiency based instruction will encourage the development of speaking and listening comprehension as well as reading and writing. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is aimed at developing the novice intermediate low/mid-level according to ACTFL – American Council on Teaching Foreign Languages. Pre-requisite: RUS 201 or equivalent. Fulfills the GEP non-native language requirement.
Prerequisites: RUS 201 or Russian 202 Placement with a score of 1 or Language Placement with a score of RU202
Attributes: Undergraduate

RUS 301 Russian Conv & Comp I (3 credits)
This course is designed to give the student the necessary practice in spoken and written Russian with special emphasis on the more difficult modern Russian grammatical constructions and idioms. Fulfills the GEP non-native language requirement.
Prerequisites: Language Placement with a score of RU301
Attributes: Undergraduate

RUS 302 Russian Conv & Comp II (3 credits)
This course is designed as a follow-up to RUS 301, to give the student additional practice in spoken and written Russian with increased emphasis on difficult modern Russian grammatical constructions and idioms. Pre-requisite: RUS 202 or equivalent.
Prerequisites: RUS 1311 or RUS 301
Attributes: Undergraduate

RUS 310 Selections in Russian Lit I (3 credits)
Introduction to Russian literature and its history. Selected readings of plays, essays, novels, short stories and poetry. Fulfills the GEP Art/Literature requirement. Pre-requisite: RUS 202 or equivalent.
Prerequisites: Language Placement with a score of RU310
Attributes: Undergraduate

RUS 311 Selections in Russian Lit II (3 credits)
A continuation of RUS 310. Fulfills the GEP Art/Literature requirement.
Prerequisites: RUS 1331 or RUS 310
Attributes: Undergraduate

RUS 370 Topics in Russian (3 credits)
SOCIOLOGY (SOC)

SOC N001 Non-Credit Adv Top Forensic Sc (1 credit)
SOC N002 Non-Credit Conflict Resolution (1 credit)
SOC N003 Non-Credit Bldg Trad Labor Law (1 credit)
SOC N004 Non-Credit Grievance&Arbitrat (1 credit)
SOC N005 Non-Credit - Public Relations (1 credit)
SOC N006 Non-Credit - Occupat Hlth & Sa (1 credit)
SOC N007 Non-Credit - Pub Sec Labor Law (1 credit)
SOC N008 Non-Credit Survey Labor Law (1 credit)
SOC N009 Non-Credit - Negotiations (1 credit)
SOC N010 Non-Credit Art&Skill Labr Lead (1 credit)
SOC N011 Non-Credit - Labor History (1 credit)
SOC N012 Non-Credit - Health & Safety (1 credit)
SOC N013 Non-Credit-Build Union Saf Com (1 credit)
SOC N014 Non-Credit - Workers Comp (1 credit)
SOC N015 Non-Credit-Art & Sci Cont Camp (1 credit)
SOC N016 Non-Credit-Global Labor Trends (1 credit)
SOC N017 Non-Credit - Adv Labor History (1 credit)
SOC N018 Non-Credit:Labor's Lessons (1 credit)
SOC N019 Non-Credit Legends of Labor (1 credit)
SOC 10SA SA Topic:Study Abroad (3-4 credits)
SOC 20SA SA Topic:Study Abroad (3-4 credits)
SOC 101 Intro to Sociology (3 credits)
Introduction to the scientific approach to the study of society, including
the study of social structures; studies such topics as how we acquire
self-identity, gender, our behavior in groups, bureaucracies, stereotyping,
the role of the state, survey research, culture, and collective behavior.
Satisfies Social Science GER. Satisfies Diversity GEP. Satisfies
Globalization GEP.
Attributes: Diversity Course (New GEP), GEP Social Science,
Undergraduate
SOC 102 Social Problems (3 credits)
A sociological analysis of contemporary social issues including economic
crises, concentration of wealth, poverty, crime, sexism, race and ethnic
relations, mental illness, population growth, war and peace, and relations
with other countries. Satisfies Social Science GER. Satisfies Diversity
GEP. Satisfies Gender Studies minor.
Attributes: Diversity Course (New GEP), Gender Studies Course, GEP
Social Science, Undergraduate
SOC 140 Wage Gap Seminar-Gender Series (3 credits)
This course focuses on evaluating and discussing quantitative and
qualitative literature to understand issues surrounding gender based
wage disparities and its impact upon women in the labor market.
Students will not only focus on examining long-term trends in the gender
pay gap but also focus on the impact of the education, employment
policies, state and federal laws/regulations in ensuring economic
wellbeing. This seminar is ideal opportunity for anyone interested in
researching and reporting on gender based equality issues.
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Adult Learning Seminar, Undergraduate
SOC 150 First Year Seminar (3 credits)
This service learning, freshman seminar course examines the most
significant contemporary social problems in our culture. Issues are
examined from a sociological perspective that is enhanced by students’
work at service sites. This is the second part of a 2 semester course
sequence for first year students. Pre-requisite is SOC 102 Service
Learning/Freshman Seminar.
Attributes: First-Year Seminar, Undergraduate
SOC 170 Special Topics in Sociology (3 credits)
SOC 201 Schools in Society (3 credits)
SOC 202 Adv Stud of Soc Prob FS & SL (3 credits)
SOC 204 Cultural Anthropology (3 credits)
SOC 205 Ethnic & Minority Relations (3 credits)
This course provides an analysis of relationships between dominant and
minority groups, with a particular focus on ethnic and racial stratification
in the U.S. As part of this discussion, we focus on intersecting statuses
that shape the outcomes of individuals and groups experiences, including
their interactions with each other and social institutions. While the course
largely focuses on issues of race/ethnicity, we will also address other
forms of minority-dominant group relations, such as sexual orientation,
social class, and gender, as the intersectionality of statuses is important
in any attempt to gain a better understanding of all these types of
relationships. We begin the course by addressing the issue of race as
a social construct rather than a biological fact, but a construction that
carries very real consequences. We then shift to a focus on prejudice,
stereotypes, and discrimination, with particular attention on how they
serve to create, sustain, and reproduce oppression and inequalities.
We then examine how privileged statuses, particularly white privilege
serve to marginalize nonwhites and the damaging paradox of this
privilege for economically disenfranchised whites. We conclude the
course by addressing the future of face and racism in the 21st century,
such as colorblind racism, and the implications for coalition building
across racial/ethnic lines. Satisfies Diversity GEP and Criminal Justice
requirement.
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP
Social Science, Undergraduate
SOC 206 Theories of Crime (3 credits)
The goal of this course is to examine the current state of criminological
theory. It examines the efforts of criminologists in various academic
disciplines to explain the cause of crime. Traditional theories will also be
discussed. Criminal Justice elective.
Prerequisites: SOC 101 and SOC 102 or SOC 150
Attributes: Criminal Justice Course, Undergraduate
SOC 207 Juvenile Justice (3 credits)
A study of delinquency and its causes, with attention to both social-
psychological and structural-theoretical frameworks. Criminal Justice
elective. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

808 Sociology (SOC)
SOC 208 Sociology of Gender (3 credits)
The study of the learned patterns of behavior of males and females in the United States and cross-culturally; topics include hormonal and sex differences, gender socialization, the contemporary women’s movement; special emphasis is placed upon the connection of sexism, racism, and class inequality. Satisfies Diversity GEP. Satisfies Gender Studies Minor requirements. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 209 Sociology of Intimate Relations (3 credits)
Examines family life in the United States, its cross-cultural and historical antecedents; current changes and family process, including courtship and marriage in contemporary society. Satisfies Gender Studies minor, GEP Social Science, Sociology (not CJ) elective.
Attributes: GEP Social Science, Undergraduate

SOC 210 African-American Catholicism (3 credits)
A sociological analysis of religion as old as sociology itself, and race is one of the key themes in sociology. This course will combine the two themes by using a sociological lens to study African-American Catholicism. We will begin by examining theoretical perspectives that can then be used to study Black American Catholicism. We will use these theoretical perspectives to examine several key works by historians, theologians, and the United States Conference of Catholic Bishops that tell the story of African-American Catholics in the United States. Satisfies Africana Studies requirement, GEP SS.
Attributes: Diversity Course (New GEP), GEP Social Science

SOC 211 Classical Sociological Theory (3 credits)

SOC 214 Sociology of Youth (3 credits)

SOC 216 Alcohol, Drugs & Society (3 credits)
This course explores a sociological approach to substance use and its impact on contemporary American society. What social factors such as gender, race, and class shape substance use? How do major social institutions such as criminal justice, education, and health care deal with substance use? What public policies and programs exist to regulate substance use, and how well do they work? Examples of topics discussed include women and substance use, college student binge drinking, substance use on the national agenda, and the community impact of crack cocaine. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 217 Mental Health & Society (3 credits)
This course examines the connections between mental health and society. What are the major forms of mental and behavioral health and illness? How widespread are mental disorders and what predicts their occurrence? What impact do they have on society and institutions such as health care and criminal justice? What professions and organizations treat mental disorders? Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 218 Social Gerontology (3 credits)

SOC 219 Social Deviance (3 credits)
This course examines examples of deviance, e.g., the Holocaust, state terror and torture, and mental illness. It explores how laypersons and experts conceptualize deviance, how definitions of deviance change, who labels behavior deviant, and the consequences for those labeled deviant. Pre-requisite SOC 101 or 102.
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 225 Intro to American CJ (3 credits)
This course provides an introduction to the criminal justice system in the U.S. The primary goal of this course is to foster a general understanding of the functions and impact of the 3 components of the criminal justice system: police, courts, and corrections. In addressing these components, we will examine each component from the due process and crime control perspectives of criminal justice. Due process stresses individual rights while crime control stresses the protection of the society at large. Some of the topics that we will cover include policing, the courts, incarceration and alternative sanctions, the War on Drugs, and the War on Terrorism. The course will conclude with a discussion of the future of criminal justice.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 231 Probation and Parole (3 credits)

SOC 232 Sociology of Human Sexuality (3 credits)
This course examines anthropological and sociological perspectives on human sexuality. Among the topics to be covered: reproductive ritual, deviant patterns of sexual behavior; ideologies of sexuality; legal shaping of sexual behavior; and the methods by which we obtain good information on sexual behavior. Satisfies Gender Studies minor, Diversity GEP, Social Science, Sociology (not CJ) elective.
Attributes: Gender Studies Course, Undergraduate

SOC 233 Federal CJ (3 credits)

SOC 235 Federal Search & Seizure (3 credits)

SOC 236 Federal Crim Law & Prosecution (3 credits)

SOC 237 Human Origins & Prehist of Cult (3 credits)

SOC 238 Violence & Society (3 credits)

SOC 239 American Labor Movement (3 credits)

SOC 240 Sexuality & Relationships (3 credits)

SOC 241 Law and Social Policy (3 credits)

SOC 242 CJ Ethics & Legal Responsblty (3 credits)

SOC 243 Sexuality & Relationships (3 credits)

SOC 244 Federal CJ (3 credits)

SOC 245 Federal CJ (3 credits)

SOC 246 CJ Ethics & Legal Responsibility (3 credits)

SOC 247 Organized Crime (3 credits)
This course provides an historical foundation and comprehensive examination of organized crime that will guide the student through the various developments of this criminal activity. Besides the stereotypical organized crime viewpoints, which are often portrayed on television and in movie theatres, this course will also explore other unusual and less known perspectives of modern day organized crime. Students will utilize critical thinking exercises and ethical perspectives while developing a keen understanding of how organized crime is associated with such activities as human trafficking, computer and Internet crime, vehicle smuggling, and terrorism. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science

SOC 249 Federal CJ (3 credits)
This course will examine the criminal justice at the federal level. The main areas are the role of each branch of government; how agencies are funded; the major investigation, prosecution, probation, and correction elements; and individual investigative agencies including Inspector General. The course will cover the mission of and interrelationships among individual agencies. Criminal Justice elective. Pre-requisite SOC 225
Prerequisites: SOC 225
Attributes: Criminal Justice Course, Undergraduate
SOC 250 Found of Adds for CJ Professnl (3 credits)

SOC 251 Gender and the Law (3 credits)

SOC 252 Media & Popular Culture (3 credits)
This course will examine the organization of contemporary media and popular culture from a variety of sociological perspectives. Particular attention will be paid to the production and consumption of popular music, talk shows, and sporting events. There will be discussion on how fads spread through society, how our identities are shaped by and mediated through popular culture, and why the media focuses so much attention on seemingly mundane events. This class will examine how recent technological changes influence how we consume popular culture. We will utilize discussions of Nike, Netflix, Starbucks, videogames, nightlife in Philadelphia, Shakespeare, and digital gambling to understand how popular culture is organized.
Attributes: GEP Social Science, Undergraduate

SOC 253 Race and Social Justice (3 credits)
In this course we will examine the issue of social justice as it pertains to race and ethnicity. The course will address the social and cultural constructions of race and ethnicity and their effects on social institutions, interpersonal relationships, and quality of life primarily in the U.S., but also abroad. Specifically, we will focus on how advantages and disadvantages are distributed among individuals and societies, why this process occurs, and how we can work to achieve balance and equality.
As part of our discussions, we will focus on the contributions of racial and ethnic minorities in our changing social, economic, political, and legal institutions by examining controversial topics central to debates on racial justice and policy. Criminal Justice elective, satisfies Diversity GEP course.
Attributes: Africana Studies Course, Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 254 Violence and Victims (3 credits)
This course is designed to explore the serious problem of violence in our society from a sociological perspective. We will address a variety of types of violence, its causes, consequences, and theories for prevention. Topics which will be discussed include wife abuse, rape, child abuse, gang warfare, and street violence. An emphasis will be placed on understanding the structural causes of violence such as gender, race, and social class inequality as well as the effect of pornography, the media, and drugs/alcohol on violence. Particular attention will be given to the consequences of violence for both individual victims and society as a whole. We will also focus on the practical reality of violence in this society by speaking with several practitioners and touring a local domestic violence shelter.
Criminal Justice elective. Satisfies Gender Studies minor requirement.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 259 Youth, Culture & Deviance (3 credits)
This course offers economic, cultural, political and social perspectives on American youth based on sociological theory. Special attention will be paid to youth popular cultures and the unique social problems facing young adults (e.g., gangs, drugs, suicide and teen pregnancy). Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 260 Language and the Law (3 credits)
(See LIN 260. Satisfies GEP Ethics-Intensive overlay).
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

SOC 261 Intro to Crim Investigation (3 credits)
Teaches students how to gather the maximum amount of information necessary to solve a crime efficiently, e.g., from witnesses, suspects, informants, surveillants, as well as from the physical evidence at the crime scene. Suggested also for prelaw students. Criminal Justice elective.
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 262 White Collar Crime (3 credits)
This course is designed to give the student an understanding of the meaning of white collar crime and the types of activities in which white collar criminals engage. Initially, the lectures focus on the development of a comprehensive definition of white collar crime and then, having established this foundation, turn to the variety of white collar crimes in the U.S. today. Criminal Justice elective.
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 263 Criminology (3 credits)

SOC 264 Crim Courts & Crim Procedures (3 credits)
An analysis of the legal and practice problems presented in the administration of criminal justice from investigation to post-conviction review. Subjects include right to counsel, law of arrest, search and seizure, police interrogation and confessions, prosecutorial discretion, plea bargaining, bail, and juries. Case method used. Suggested for pre-law students. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 267 Introduction to Corrections (3 credits)
An analysis of the history and development of modern correctional systems. The focus will be on the corrections process as experienced by both offender and official. Special topics will include prisoner rights, litigation, women and corrections, and juveniles and the correctional process. Cross-cultural perspectives and recent correctional innovations will also be examined in order to give the student a comprehensive view.
Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 269 Introd to Law Enforcement (3 credits)

SOC 270 Special Topics (3 credits)
Course content determined by instructor. This course number/title will be given to new courses being offered within the academic year that are not listed in the catalog. The course will explore some topic related to sociology or criminal justice, focusing on the role of institutions in explaining human behavior.
SOC 271 Sociology of Migration (3 credits)
This course will take a global view of immigration by examining flows across the world and within the United States in particular. While globalization on one level has existed for thousands of years, we are currently in a phase where people, goods, and cultures are exchanged internationally in a quicker and more intensive way than ever before. These flows are shaped by international agreements such as the North Atlantic Free Trade Agreement (NAFTA), and by national immigration laws. Though our focus will be on the United States, we will compare current immigration patterns and experiences in other nations as well. Satisfies Globalization. Latin American Studies.
Attributes: GEP Social Science, Globalization Course (New GEP), Undergraduate

SOC 273 Collective Bargaining (3 credits)

SOC 274 Sports in Society (3 credits)
This course focuses on sports as social and cultural phenomena. It is designed to highlight the elements of sports, its participants, its values, and its relationship to American society.
Attributes: GEP Social Science, Undergraduate

SOC 275 Law of Industrial Relations (3 credits)

SOC 276 Terrorism, Intelligence & Enforce (3 credits)
The focus of this course is directed toward law enforcement and intelligence issues that are employed to defeat, deny, disrupt terrorism, diminish the threat of, and defend against terrorism. This course introduces the student to various contemporary terrorist groups, current events, investigative and operational methodologies employed by the law enforcement and intelligence communities, and to weapons of mass destruction. This course is interactive through the use of exercises that allow students to experience how law enforcement and intelligence responds to the threat of terrorism.
Attributes: Criminal Justice Course, GEP Social Science

SOC 281 Benefits & Compensation (3 credits)

SOC 286 Viol in Intimate Relationships (3 credits)

SOC 287 Sex, Gender & Family in Cults (3 credits)
This course will look at cults/new religious movements in relation to the larger culture; looking at the most recent wave of cults/movements in our history, dating back to the early 1960's and continuing to the present. We will start by looking at the historical and social background of the most recent cults, then move on to discussion of the various terms, and the perspectives behind terms, that are used to describe these groups. We will use social psychology, more specifically, the social influence perspective, to explain why people join, stay in, and leave cults and will focus on sex, gender, and family patterns in cults/new religious movements.
Attributes: GEP Social Science, Undergraduate

SOC 300 CommEngSch:BldgPart thru Rsch (3 credits)
Engaged scholarship can take several forms. Broadly defined, it “means connecting the rich resources of the university to our most pressing social, civic, and ethical problems” (Boyer, 1996, p. 19). One key way of sharing these resources is through research — not “on” the community, but “with” the community. This type of research model is one in which the research projects are developed with community organization staff, faculty, and students together, building on the unique strengths of those involved. In this course, students will work with a community-based organization to design and conduct research on an issue related to homelessness or affordable housing. Throughout the semester, students will learn about research methods, research ethics, and the particular urban context within which they will be working. More importantly, students will gain experience working alongside staff of a community-based organization to solve problems or assess needs and strengths. GEP SS. Honors.
Restrictions: Enrollment limited to students with the Honors Program Student attribute.
Attributes: GEP Social Science, Honors Course, Undergraduate

SOC 310 Policing in Black and Blue (3 credits)
This course will review the sociological and policy concerns that have contributed to the racial tensions between police and communities of color. The course will examine the sociological roots of the urban ghetto, consider the role of mass incarceration and the rise of the surveillance state with the war on drugs. We will review stop and frisk, community policing, focused deterrence, stop snitching, and DOJ reports on Philadelphia/Ferguson and police-involved shootings. It will also include some of the European studies of policing immigrant communities in the face of terrorist threats.
Prerequisites: (SOC 1015 or SOC 1011 or SOC 1025 or SOC 1021) or SOC 101 or SOC 102
Attributes: Undergraduate

SOC 311 Research Methods II (3 credits)

SOC 312 Social Research Methods I (3 credits)
Presents the main ways of gathering social scientific information, e.g., questionnaires, interviews, observation, experiments, content analysis, etc.; Specific emphasis placed on the ethical considerations when conducting social science research. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 and SOC 102 or SOC 150
Restrictions: Enrollment is limited to Undergraduate Day Division level students.
Attributes: Undergraduate

SOC 313 Data Analysis (3 credits)
This course introduces students to the Statistical Package for the Social Sciences (SPSS) for conducting quantitative data analysis. Using the General Social Survey and other publicly available data sets, we will learn about transforming variables, conducting univariate and bivariate analysis, requesting descriptive and inferential statistics, and learning how to interpret these statistics. Emphasis is on doing the analysis and presenting the analysis for research projects. This course is a prerequisite for Seminar, SOC 495.
Attributes: Undergraduate
SOC 314 The Criminal Offender (3 credits)
The Criminal Offender is an interface between the law and mental health. This course examines the components of human behavior that bring people into a judicial setting. Content will cover criminal personalities, forensic interview, and the role of forensic psychology and psychiatry. Domestic violence offenders, sex offenders, stalkers, gang members, and offenders who commit hate crimes and homicide will be discussed. Definitions and dynamics of criminal motherhood and the psychodynamics of violent juvenile offenders will be presented. Use of the internet and various forms of social media by offenders will also be discussed.
Attributes: Undergraduate

SOC 315 Cult of Addictn: ST Amsterdam (3 credits)

SOC 316 Fair Trade: Coffee-Co-Op to Cup (3 credits)
This course is designed to trace the path of fair trade coffee beans as they are grown in a cooperative in Nicaragua until they reach a consumers’ cup in the United States. In this class, we will examine the labor-intensive activities that go into producing a cup of coffee, the environmental impacts of producing shade grown and organic coffees, and the economic benefits that farmers receive for growing coffee in Central America. We will travel to Nicaragua and live alongside coffee farmers who are growing fair trade coffee. We will learn about the "Coffee Crisis" that greatly affected Central American farmers in the early 2000s, and we will look at the limits and possibilities of producing coffee in a cooperative. Prior to attending the trip we will read about the political and economic dynamics of Central America, the history of coffee and the fair trade movement, and what fair trade means in the minds of ethical consumers. In thinking about the stories behind their purchases, students will gain broader insight into the limits and possibilities of integrating their values into their everyday shopping patterns. Latin American Studies.
Attributes: GEP Social Science, Latin American Studies Course, Undergraduate

SOC 317 Sociolinguistics (3 credits)
(Please see LIN 317 for description)
Attributes: Communication Studies ILC Crs, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 318 Social Just: Dominican Republic (3 credits)

SOC 320 Sociology of Work (3 credits)

SOC 322 Cult & Politics of Motherhood (3 credits)
The course considers motherhood as a political and cultural issue in society. Topics will include the social construction of public debates about teenage mothers, single mothers, welfare mothers, and abortion. We will also review the work of scholars who examine how social class and privilege construct our notions of "good" mothers and appropriate childrearing. Pre-requisite SOC 101 or SOC 102. Satisfies Gender Studies Minor requirement.
Prerequisites: SOC 101 and SOC 102 or SOC 150
Attributes: Undergraduate

SOC 323 Health and Society (3 credits)
An overview of health care in the United States with attention to its historical antecedents; definitions of illnesses; examines the effect of social factors on the occurrence of illness and its treatment; studies the organization of health facilities. GEP SS. Satisfies Gender Studies Minor requirement.
Attributes: Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 325 Women and Health (3 credits)
This course will look at the health industry from a feminist perspective. We will examine the role of women in providing health care, gender differences in the care given to patients, and health care issues specific to women. The course will also consider race and class differences among women working in and served by the health care industry.
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Undergraduate

SOC 326 Emerging Issues Adulthood (3 credits)

SOC 327 Sociology of Religion (3 credits)
Examines major sociological attempts to interpret the role of religious belief systems in modern industrial society and culture with emphasis on: a historical and structural analysis of religious belief systems and polities in the United States; the role of religion in community formation, national, and ethnic identity; and contemporary religious movements as attempts to channel or cope with forces of change.
Prerequisites: (SOC 1011 or SOC 1015) or (SOC 1021 or SOC 1025) or SOC 101 or SOC 102
Attributes: Undergraduate

SOC 328 The Wire (3 credits)
Although journalists and media critics around the world have heaped deserved acclaim on The Wire, many people do not recognize its contribution to social science. Students in this seminar will watch, critique, and discuss selected episodes of The Wire along with assigned readings on urban inequality, crime, and violence that relate to these episodes. The assigned readings will feature academic books and research articles that describe and analyze life and experiences in inner city neighborhoods, as well as the social, economic, political, and cultural factors that shape or influence these experiences. CJ elective.
Attributes: Criminal Justice Course, GEP Social Science

SOC 330 Urban Sociology (3 credits)
What makes some neighborhoods in cities great places to live? Why do other neighborhoods struggle? In this course, we will learn how sociologists study cities, what social policies have affected cities, how inequalities along the lines of race/ethnicity and social class have shaped cities, how cities might fit into a sustainable vision for the future, and what we can learn from cities in other countries. By the end of the course, students will understand what can be done to improve the quality of life for families in urban neighborhoods. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 and SOC 102 or SOC 150
Attributes: Africana Studies Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 331 Urban Ethnography (3 credits)
Though it is certainly useful to analyze cities with numbers and statistical analyses, one can perhaps best capture life within cities through ethnography. Ethnography allows the researcher to dig deep and analyze any number of social settings. Ethnography encompasses several different methods, but in this course we will concentrate on observation and writing field notes. Both sociologists and anthropologists use these methods in their research. In this course, you will not only learn to practice ethnography, but you will also read and critique several urban ethnographies.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate
SOC 334 African-American Experience (3 credits)

SOC 335 Classes and Power in US (3 credits)
Examines the social, economic, and political inequalities in the United States; analyzes causes of social stratification; studies social mobility and the existence of a power elite. Criminal Justice elective.
Attributes: Africana Studies Course, Criminal Justice Course, GEP Social Science, Undergraduate

SOC 336 Sociology of Appalachia (3 credits)
This course is a survey of the social and economic life of the Appalachian region from the colonial period of American history to the present. The course examines changing patterns of culture, land use, economy, politics, and social structure in the mountains in an effort to understand the contemporary social system in Appalachia. Special emphasis will be placed upon the interaction of mountain residents with the broader forces of social change at work in America: changing family structures, gender roles, economic systems, political cultures, material life, and value orientations. Stereotyped images of Appalachia as an isolated, atypical land, unconnected to the rest of the American experience will be contrasted with a view of Appalachian history as shaped and affected by the same forces of political concentration, capitalist transformation, mass society, and the bureaucratic state that have created modern America. Faith/Justice course.
Attributes: GEP Social Science, Undergraduate

SOC 337 Forensic Financial Analysis (3 credits)
This course covers the detection of illegal financial transactions. Major topics include money laundering, fraud, embezzlement, and illicit accounting practices. Students will learn data gathering and analysis techniques for financial transactions, records, legitimate businesses, illegal organizations, and individuals. The course will include preparation for trial. Prerequisite: a basic course in accounting or permission of the instructor.

SOC 338 Police and the Community (3 credits)
This course will examine factors contributing to cooperation or friction between law enforcement personnel and the community. Emphasis will be placed on political, social, and economic forces which influence this. Policies addressing this problem will be reviewed. Criminal Justice elective.
Prerequisites: SOC 101 or SOC 102 or SOC 202 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 340 The Ethical Consumer (3 credits)
The recent "ethical turn" in markets has led to a growing number of products that give proceeds to a charitable or altruistic cause. We see Pink Ribbons when we shop for a car, fair trade coffee at Wal-Mart, and product (RED) clothing at the GAP. Many of these products and brands are creating significant social change; others are "greenwashing" or "fairwashing" markets by making false promises. In this course we will read research from sociology, marketing, and psychology to understand the consumer behavior of individuals trying to change the world through shopping; we will examine the strengths and weaknesses of these "consumer-dependent" social movements; and we will examine the social forces that led "shopping for a cause" to become a modern means for creating social change. This course will conclude with an attempt to put our ideas into practice through group-projects designed to raise funds for local mission-driven businesses such as Cal's Cupcakes, Alex's Lemonade, or Fair Trade retailers. Pre-requisite: PHL 154, Satisfies Ethics Intensive, American Studies.
Attributes: PHL 154

SOC 344 Populations (3 credits)

SOC 345 Law and Social Policy (3 credits)
An exploration of various dimensions of the relationship between law and social policy in contemporary U.S. society. In assessing how judicial opinions and legislative efforts affect social relations and institutional arrangements, inquiry is focused upon: (1) the ways in which social problems become defined as legal issues; (2) the forces which shape the initiation and ultimate formulation of legislative acts designed to affect public policy; (3) the role which cultural values and assumptions play in framing legal arguments and influencing judicial opinions and remedial programs; (4) the issue of compliance and the ways in which it is measured and enforced, and (5) the strengths and limitations of the law as a means of achieving specific social policy objectives. Criminal Justice elective. Faith/Justice course.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 346 CJ Ethics & Legal Responsibility (3 credits)
This course focuses on major ethical and legal responsibility issues in the legal professions including conflicts of interest, confidentiality, competence, counseling, economic pressures, advocacy tactics, and professionalism, as well as the standards and rules which govern the legal professions. The course will be especially helpful to students who plan to enter law school upon graduation. Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 348 Consumer Culture in Global Per (3 credits)

SOC 349 Poverty, Ethics & Soc.Policy (3 credits)
This course offers an overview of poverty in the United States, explores the ethical principles surrounding poverty and our response to it, and examines social policies that seek to ameliorate poverty. Students will work on a semester-long academic assignment which will engage them in one aspect of poverty and social policy.
Attributes: Ethics Intensive (New GEP), Undergraduate

SOC 351 Gender and the Law (3 credits)
Utilizing a case law approach, this course examines historical and contemporary judicial responses to gender inequality. Among the topics covered are: affirmative action, no-fault divorce, criminal sentencing disparities, and the intersection of sex, race, and social class inequalities in the law. Criminal Justice elective. Satisfies Gender Studies Minor requirement. Pre-requisite SOC 101 or SOC 102
Prerequisites: SOC 101 and SOC 102 or SOC 150
Attributes: Criminal Justice Course, Undergraduate

SOC 353 Restorative Justice Practice (3 credits)
This course places restorative justice theory into practice. Students will learn and become proficient in several restorative practices including peacemaking circles, sentencing circles, restorative conferencing, reparative boards, youth aid panels and victim offender mediation. As an experiential course, students will participate in all of the practices throughout the semester. Some of these practices are hundreds of years old. Many criminal justice agencies see potential widespread application. The skills taught in this course can be used in any situation involving conflict. Criminal Justice elective.
Attributes: Criminal Justice Course, Undergraduate
SOC 355 Race, Crime & CJ (3 credits)
This course examines the topic of race and ethnicity in relation to crime and criminal justice processing. More specifically, we focus on several issues: 1) the role of privilege and marginalization in the context of race and ethnicity and the criminal justice system; 2) the impact of these factors on intergroup relationships generally and the responses of the criminal justice system to criminal behavior, victimization, and employment within the criminal justice field; 3) how the responses of the criminal justice system affect the lives of offenders, victims, and agents of the criminal justice system for various racial/ethnic groups; 4) the current patterns of crime and victimization in relation to race/ethnicity? In addressing these questions, it is important to note that this is an upper-level sociology/criminal justice course, so do not expect it to be lecture driven, although some lectures will be presented. Much of the course work will revolve around class discussions and written analysis of the readings. Criminal Justice elective, satisfied Diversity GEP.
Attributes: Africana Studies Course, Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 356 Gender, Crime & CJ (3 credits)
An examination of the gendered nature of criminal victimization, offending, and criminal justice processing from a feminist sociological perspective. Students will read and critically evaluate in a seminar format feminist criminologists' analyses of topics such as fear of crime, gangs, prostitution, corporate violence against women, policing, and corrections. Special emphasis will be given to the intersections of gender, racial/ethnic and social class inequalities. Criminal Justice elective. Satisfies Gender Studies Minor requirement.
Attributes: Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 357 Vio & Reconciliation in N Ire (3 credits)

SOC 358 Consumr Cult & Globl Perspctve (3 credits)
In recent years there have been dramatic changes in the ways we consume: chain stores are proliferating, products are increasingly being produced in developing countries, consumers are taking on record levels of debt, fashion and tastes are evolving at a faster rate than ever before, and advertising expenditures are at historic highs. All of these changes are associated with what we have come to know as globalization. This course will examine how advances in technology, communication, and transportation systems all impact our everyday lives as consumers. We will utilize contemporary sociological theories of globalization to examine these societal changes. The class will conclude with an in-depth analysis of ethical consumption. Although this course is primarily sociological in orientation, we will also examine how marketers psychologists, and social critics write about global consumer culture. Satisfies Globalization.
Attributes: GEP Social Science, Globalization Course (New GEP), Undergraduate

SOC 360 Sociology of Law (3 credits)
An analysis of contemporary theories of law; examines the statements of the main exponents of the consensus, pluralist, elitist, and dialectical models of law creation; focus also on the tie between the models and the social context in which they emerged and developed. Criminal Justice elective. Faith/Justice course.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 363 Phila: In Black and White (3 credits)
The purpose of this course is to explore the topic of race relations with reference to a case study of Philadelphia. It is a unique course insofar as it directly addresses the issue of race in a multidisciplinary way, and it offers a unique opportunity to explore a topic and a city that are only dealt with indirectly in other courses. This course will explore the impact of race on social, economic, and political life in Philadelphia. Utilizing a socio-historical approach, it will focus on the work of W.E.B. DuBois and other social scientists who have documented the effects of race on Philadelphians in such diverse areas as housing, health care, employment, and family life. Satisfies Diversity GEP. Criminal Justice elective.
Attributes: Africana Studies Course, Criminal Justice Course, Diversity Course (New GEP), GEP Social Science, Undergraduate

SOC 365 Crime & Urban Communities (3 credits)
From the beginning of the study of sociology in the United States, sociologists have studied life within a community context, documenting how space matters. The physical and social aspects of neighborhoods affect how likely crime is to occur in them and how residents can fight this crime. In addition to learning how space affects crime, we will learn key theories and concepts which sociologists use in studying urban crime, we will discuss current major issues in crime such as re-entry, and we will study crime-fighting strategies. Faith/Justice. Criminal Justice elective. Satisfies Africana Studies requirement.
Attributes: Africana Studies Course, Undergraduate

SOC 368 Cults as Social Movements (3 credits)
This course looks at the social psychology and the social movement aspect of selected cults. Questions that the course examines: What is a cult? Who joins cults? Why do people stay in cults? What is daily life in a cult like? What should we as a society do about cults? How do we study cults? Criminal Justice elective; GEP Social Science
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 369 Basic Crim Intelligence Analys (3 credits)
This course teaches the basic principles of Intelligence Analysis, as practiced by the CIA, FBI, DEA and other Federal, State and Local law enforcement agencies. The course covers deductive logic, development of inferences, hypothesis development and testing, sources of information, and analytical techniques e.g. matrix development and link analysis. Upon completion of this course you will be eligible to join the International Association of Law Enforcement Intelligence Analysts (IALEIA). Criminal Justice elective.
Attributes: Criminal Justice Course, GEP Social Science, Undergraduate

SOC 375 Electronic Intelligence Analys (3 credits)
The course will use computer technology and analytical software tools (with emphasis on Analyst Notebook 6) to process and compare data. Analyst Notebook is the program currently being used by the CIA, FBI, NSA, US Army, INS, Customs, Secret Service, Homeland Security, DEA and 1500 other National, State and Local Law Enforcement agencies throughout the world, to combat Terrorism, Drug Smuggling, Money Laundering and Organized Crime. This is a hands-on course where students will be learning to visualize complex relationships, analyze large data sets, and communicate findings to develop tactical and strategic intelligence. Basic Criminal Intelligence Analysis, SOC 369, is a prerequisite for this course. Criminal Justice elective.
Prerequisites: SOC 369
Attributes: Criminal Justice Course, Undergraduate
SOC 377 Inside-Out Expl Crime&Justice (3 credits)
This class offers a unique opportunity to explore issues of crime and justice from inside a correctional facility. The Inside-Out Prison Exchange Program brings together students from Saint Joseph’s University and adult students who are incarcerated to learn about and discuss topics such as the causes of crime, victims, the rationale of the criminal justice system, and restorative justice. Through the readings and dialogue, inside and outside students will be able to integrate their theoretical knowledge with lived experiences. It is through this exchange that we hope to critically analyze and challenge the current system in the U.S. that has resulted in a higher incarceration rate than other similar countries.
Criminal Justice elective
Attributes: Africana Studies Course, Criminal Justice Course, GEP Social Science, Undergraduate

SOC 378 Urban and Public Policy (3 credits)
This course will offer a foundation in how sociologists study cities and public policy. We will examine assets of cities and key areas of need that cities face (such as education, poverty, housing, and crime), and we will study policy options to improve cities and their larger metropolitan areas. These are broad policy areas of study, so we will hone in on specific policies. For example, we will explore how cities have formulated their initiatives to end homelessness, we will consider juvenile justice alternatives, and we will look at how cities can position themselves to be sustainable in the effort to reduce greenhouse gas emissions. Faith-Justice, GEP SS, Criminal Justice elective. Satisfies Africana Studies requirement.
Attributes: Africana Studies Course, Criminal Justice Course, GEP Social Science, Undergraduate

SOC 379 Soc of Intn'l Law & Politics (3 credits)

SOC 386 Violence in Intimate Relations (3 credits)
Women and children have a higher probability of being seriously injured or killed by someone with whom they are intimately associated rather than by a stranger. This course will examine questions such as: What factors contribute to the prevalence of intimate violence in the U.S.? How does intimate violence differ across groups (e.g., by race/ethnicity, social class)? How are 456 various forms of intimate violence (i.e., partner abuse, child abuse, elder abuse) interrelated?

SOC 390 Special Topics (3 credits)
SOC 470 Special Topics (3 credits)
Course content determined by instructor. Past topics included: Women’s Rights, Extremist Movements, The Ethical Consumer. For senior Criminal Justice and Sociology majors only.
Restrictions: Enrollment limited to students with a class of Senior. Enrollment is limited to students with a major in Criminal Justice or Sociology.
Attributes: Undergraduate

SOC 490 Internship (3,6 credits)
The student is placed according to his/her interests in a criminal justice, social service, or health care setting for a semester. In this way, he/she may apply classroom-acquired skills and knowledge while gaining practical work experience. Permission of internship director required.
Attributes: Undergraduate

SOC 491 Internship (3-12 credits)
The student is placed according to his/her interests in a criminal justice, social service, or health care setting for a semester. In this way, he/she may apply classroom-acquired skills and knowledge while gaining practical work experience. Permission of internship director required.
Attributes: Undergraduate

SOC 493 Independent Research in SOC (3 credits)
SOC 494 Independent Research Sociology (3 credits)
SOC 495 Seminar I (3 credits)
This course is where students complete the required senior thesis. An Honors section is available for those students completing College Honors. Prerequisite: SOC 313 and ENG 101.
Prerequisites: SOC 313 and ENG 101
Attributes: Undergraduate, Writing Intensive Course- GEP

SOC 497 College Honors Indept Study (3 credits)
College Honors candidates in Sociology will complete a second honors course during the Spring of the senior year (SOC 497) which includes research, extending the senior capstone experience beyond what non-Honor students complete.
SPANISH (SPA)

SPA N001 Non-Credit: Spanish Special Top (1 credit)

SPA 101 Beginning Spanish I (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is reserved for beginning students with no experience with the Spanish language. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.

Prerequisites: Language Placement with a score of SP101
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Spanish 102 Placement, Spanish 201 Placement, Spanish 202 Placement or Spanish 301 Placement attributes may not enroll.
Attributes: Undergraduate

SPA 102 Beginning Spanish II (4 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. Prerequisite: SPA 101 or equivalent. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.

Prerequisites: SPA 101 or Spanish 102 Placement with a score of 1 or Language Placement with a score of SP102
Restrictions: Enrollment is limited to Undergraduate Day Division level students. Students with the Spanish 201 Placement, Spanish 202 Placement or Spanish 301 Placement attributes may not enroll.
Attributes: Undergraduate

SPA 111 Adult Learner Beginning SPA I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is reserved for PLS students with no experience with the Spanish language. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.

Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

SPA 112 Adult Learner Beginning SPA II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. This course is reserved for PLS students with no experience with the Spanish language. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.

Prerequisites: SPA 1015 or SPA 111
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

SPA 113 First Year Spanish III (4 credits)

SPA 116 1st Year Span II (Non-Begins) (4 credits)

SPA 117 1st Year Span III (Non-Begins) (4 credits)

SPA 201 Intermediate Spanish I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in the classroom. Prerequisite: SPA 102 or equivalent. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement.

Prerequisites: SPA 102 or Spanish 201 Placement with a score of 1 or Language Placement with a score of SP201
Restrictions: Students with the Spanish 202 Placement or Spanish 301 Placement attributes may not enroll.
Attributes: Undergraduate

SPA 202 Intermediate Spanish II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar, pronunciation, and writing will accompany active student participation in task-oriented group work in the classroom. Prerequisite: SPA 201 or equivalent. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement. With some limitations, this course may count toward the Latin American Studies minor.

Prerequisites: SPA 201 or Spanish 202 Placement with a score of 1 or Language Placement with a score of SP202
Restrictions: Students with the Spanish 301 Placement attribute may not enroll.
Attributes: Latin American Studies Course, Undergraduate

SPA 210 Intermediate Spanish I (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in classroom. This course is reserved for PLS students. Prerequisite: SPA 111 or equivalent. Fulfills the GEP non-native language requirement.

Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate

SPA 211 Intermediate Spanish II (3 credits)
Proficiency-based instruction will encourage the development of speaking, reading, writing and listening comprehension. Instruction of basic grammar and pronunciation will accompany active student participation in task-oriented group work in classroom. This course is reserved for PLS students. Fulfills the GEP non-native language requirement.

Prerequisites: (SPA 201 or SPA 1211)
Restrictions: Enrollment is limited to PLS/HDC level students.
Attributes: Undergraduate
SPA 212 Second Year Spanish II (3 credits)

SPA 301 Spanish Conversation (3 credits)
This course is designed to help students improve their oral communication skills in Spanish through participation in interactive tasks. Much attention will be paid to the practice of new vocabulary. Discussion of grammar and communicative strategies will be integrated as needed in order to facilitate students’ attempts at various rhetorical functions, such as describing, narrating, explaining, defining, expressing and supporting opinions. This course is not open to native or heritage speakers of Spanish. Fulfills the GEP non-native language requirement. With some limitations, this course may count toward the Latin American Studies minor.
Prerequisites: SPA 202 or Spanish 301 Placement with a score of 1 or Language Placement with a score of SP301
Attributes: Latin American Studies Course, Undergraduate

SPA 302 Spanish Composition (3 credits)
This course is designed to improve students’ ability to communicate in written Spanish and to develop the writing skills they will need to succeed in advanced Spanish courses. Skills are developed through a process-oriented approach to writing, including steps related to vocabulary generation, organizing an outline, writing a draft, editing and revising, and writing a final version. This course is not open to native or heritage speakers of Spanish. Prerequisite: SPA 301 or permission of the instructor. This course satisfies the GEP Writing Intensive requirement component. With some limitations, this course may count toward the Latin American Studies minor.
Prerequisites: SPA 301 or Spanish 302 Placement with a score of 1 or Language Placement with a score of SP302 and ENG 101
Attributes: Latin American Studies Course, Undergraduate, Writing Intensive Course- GEP, Writing Centered Course

SPA 303 Spa Conv for Heritage Speakers (3 credits)
This course is designed for Hispanic/Latino students whose family origin is a Spanish-speaking country and who speak Spanish in their households. The course aims to build vocabulary and will develop oral and writing skills through the study of culture and topics of current interest from throughout the Spanish-speaking world. This course is open only to native and heritage speakers of Spanish. With some limitations, this course may count toward the Latin American Studies minor.
Prerequisites: Spanish 303 Placement with a score of 1 or Language Placement with a score of SP303
Attributes: Latin American Studies Course, Undergraduate

SPA 304 Sp Comp for Heritage Speakers (3 credits)

SPA 306 Spanish Conv & Composition II (3 credits)

SPA 310 Intro to Lit of Sp-Spkng Wrld (3 credits)
Through literature we can explore both the culture of a people and the universal themes and struggles that unite us. The experience of literature is enhanced when one has the framework for understanding literary works in their contexts. The purpose of this course is to introduce students to the reading and discussion of literature in Spanish. Students will read selections in both prose and verse. Authors and texts will vary but will represent the literatures of Latin America and Spain. This course is part of the Latin American Studies Program and as such will present a majority of works from Latin America. Satisfies the Art/Lit requirement. Latin American Studies.
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP310
Attributes: GEP Art/Literature, Latin American Studies Course, Undergraduate

SPA 311 Introduc to Spanish Literature (3 credits)
This course introduces students to major literary works and also “non-canonical” texts of Spain’s literature. Through a representative sampling of short stories, poems, essays, and plays, students are introduced to the analysis of the principal literary movements from medieval times to contemporary Spain. The course also examines non-canonical genres like comic, graphic novel, and flash fiction. Fulfills the GEP Art/Lit requirement.
Prerequisites: SPA 302 or SPA 303
Attributes: GEP Art/Literature, Undergraduate

SPA 312 Span Conversation & Comp II (3 credits)

SPA 320 Cur Evnts in the Sp-Lang Media (3 credits)
This course is designed to help students advance their communication skills in Spanish as well as their critical thinking skills as they research and discuss current issues in Latin America, as reported in the Spanish-language media. Topics will fall under a wide range of categories, such as ecology and the environment, social issues, international and domestic politics, culture (both popular and “high”), business and economics, and science and technology. Primary sources of information include Spanish-language online journals, radio and television broadcasts, Latin American Studies.
Prerequisites: SPA 302 or SPA 303
Attributes: Undergraduate

SPA 330 Spanish for Business (3 credits)
This course will acquaint the student with business terminology and phraseology used in Spain and Latin America. Business letters will be composed and answered in Spanish. Special information on such fields as advertising, foreign trade, transportation, money, banking, and finance will be presented and studied in Spanish. Problems of grammar and style will be studied as the need arises. Prerequisite: SPA 301 or 303.
Prerequisites: SPA 301 or SPA 303
Attributes: Undergraduate

SPA 331 Span for Internatnl Business (3 credits)
This course is principally for students who are majoring in the Haub School of Business. This class will assist students in a career in Business or International Relations. Comparisons will be made among the business practices of different Spanish speaking countries. All activities will be in Spanish. Prerequisite: SPA 301 or 303.
Prerequisites: SPA 301 or SPA 303
Attributes: Undergraduate

SPA 340 Advanced Spanish Conversation (3 credits)
The purpose of this advanced level course is to help students improve their oral Spanish by engaging in a variety of interactive tasks. Students will build on their current knowledge of Spanish grammar and vocabulary and will be encouraged to take linguistic risks. They will be given opportunities to create sustained discourse and to communicate in various contexts in order to accomplish a variety of communicative functions. This course is not open to native or heritage speakers of Spanish. Prerequisite: SPA 301.
Prerequisites: SPA 1321 or SPA 1331 or SPA 1341 or SPA 302 or SPA 310 or SPA 311 or Language Placement with a score of SP340
Attributes: Undergraduate

SPA 341 Advanced Spanish Composition (3 credits)
This advanced level course is designed to build on students’ current Spanish writing skills. The course is aimed at improving students’ ability to communicate in written Spanish in various writing contexts. Students’ writing skills are developed through a process-oriented approach to writing. Prerequisite: SPA 302 or 303.
Attributes: Undergraduate
SPA 342 Advanced Spanish Grammar (3 credits)
This course will provide a detailed review of Spanish grammar, analyzed on both theoretical and applied levels. We will consider discursive, lexical and syntactic topics related to the Spanish language that represent areas for linguistic analysis and are usually problematic for advanced English-speaking learners of Spanish. This course is designed to help students begin to develop skills in linguistic analysis as well as improve their knowledge about and use of Spanish grammar. This course will benefit students who are majoring or minoring in Spanish as well as students who are specifically considering careers in which Spanish will play a central role. Emphasis will be placed on the role of linguistics and grammatical competence in language teacher education. Students will consider how these topics affect the relationship between their understanding of grammatical structures and their actual oral and written proficiency. This course also counts for a Linguistics minor. This course is not open to native or heritage speakers of Spanish. Prerequisite: SPA 302 or permission of instructor. 
Prerequisites: SPA 302 
Attributes: Undergraduate

SPA 350 Intro to Latin Amer Cultures (3 credits)
The purpose of this course is to orient students to the diverse peoples and places of Latin America. Students will use Spanish to discuss the geography, history, politics and cultures of the region. Some attention will be paid to current issues in Latin America, as reported in online news sources from the region. Prerequisite: SPA 302 or 303 (the latter as pre or co-requisite). This course satisfies the Non-Western Area Studies requirement. Latin American Studies. 
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP350 
Attributes: Latin American Studies Course, Non-Western Studies (GEP), Undergraduate

SPA 351 Intro to Spanish Cultures (3 credits)
The purpose of this course is to orient students to Spain’s rich and diverse cultural heritage, varied terrain and dynamic history. Students will also discuss current issues and events, as reported in Spanish online news sources. Prerequisite: SPA 302 or 303 (the latter as pre or co-requisite). Students may not count both 351 and 356 for credit toward a Spanish major or minor. Both may be taken but only one may count for major/minor credit. The other may count for elective credit, and SPA 356 can satisfy the GEP Art/Lit requirement. 
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP351 
Attributes: Undergraduate

SPA 352 Modern to Post Mod City in Sp Culture (3 credits)
Cities are the stage of social and political changes at the same time that these events transform the urban space. On occasion, alterations are sudden and traumatic such as the devastation and reconstruction after a war. However, transformations are most often caused by economic and social factors which are subtle and happen over a long period of time. For these reasons, the city has captivated the imagination of writers and filmmakers alike. This course examines representations of Spanish cities from the nineteenth to the early twenty-first century. The course will be divided into three periods in which Spanish society and its main cities underwent important changes. The first analyzes the incipient modernization of the society during the second half of the nineteenth century and early twentieth century. The second focuses on the years after the Civil War, examining the socioeconomic hardships of the 40s and 50s, the reconstruction of the urban space, and the rural immigration to Madrid and Barcelona due to the shift from an agricultural to an industrial economic model. Finally, the third period signals the incorporation of Spanish society into the global world during the last thirty years. The new democracy not only implied new rights, but also opening up to the free market and rampant capitalism which transformed the structure of society and cities. Fulfills the Art/Lit requirement. 
Prerequisites: SPA 302 or SPA 303 
Attributes: GEP Art/Literature, Undergraduate

SPA 355 Río de la Plata:Study Tour (3 credits)
This course is a study tour of different geographical points of the Southern Cone region (South America): Montevideo, Colonia and Punta del Este (Uruguay), Buenos Aires and Iguazu Falls (Argentina). The aim of the course is to improve students’ knowledge of Latin American socio-political, historical and cultural reality--of the Southern Cone region, in particular--, through the study of the history, geography and sociology of the region, as well as through the study of its literature, music, painting, and other artistic manifestations. Lectures, visits to museums and cultural sites, films, and meetings with local personalities will be part of our activities. Students will be able to focus on a field of interest in their research papers, sharing their findings with the class in oral presentations. Lectures, readings, journals, discussions, oral presentations, exams and papers will be in Spanish. This course counts toward a minor or major in Spanish, or it can be used as an elective course. Prerequisite: Fulfills the Art/Lit requirement. Latin American Studies. 
Attributes: GEP Art/Literature, Undergraduate

SPA 356 Spain:Study Tour (3 credits)
Spain is one of the most dynamic countries in Europe today. It’s a mixture of the old and new. Some of the major influences of the ancient and contemporary worlds will be studied through history, literature, film, art, architecture, regional languages, politics, economic development and music. The highlight of the course is the experience in Spain itself. Prerequisite: SPA 301 or 303 or permission of the instructor. Students may not count both 351 and 356 for credit toward a Spanish major or minor. Both may be taken but only one may count for major/minor credit. The other may count for elective credit. Fulfills the Art/Lit requirement. 
Prerequisites: SPA 301 or SPA 303 
Attributes: GEP Art/Literature, Undergraduate
SPA 360 Spanish in the Community (4 credits)
This service-learning course focuses on cultural, social, historical, linguistic, and political issues relevant to Latin communities in Philadelphia. The course is designed to promote solidarity with Latinos, learn about cultural norms and values, reflect on issues of social justice prevalent in these communities, and develop oral and written proficiency in Spanish. Class materials include both written and community texts, presentations, film and news media. Active participation in both the community and the classroom are key components of the course. In addition to classes on campus, each student will carry out three hours per week of work at a designated service placement site in a Latin community in or near Philadelphia. This class focuses on learning how to "read the texts" of your service experience, how to read the texts of concepts and theories and how to make connections between the two. Prerequisite: SPA 302 or 303. This is a Service Learning course. Latin American Studies.
Prerequisites: SPA 302 or SPA 303
Attributes: Latin American Studies Course, Undergraduate

SPA 361 Faith, Just & SpSpking Com II (4 credits)
This service-learning course focuses on cultural, social, historical, linguistic, and political issues relevant to Latin communities in or near Philadelphia. The course is designed to promote solidarity with Latinos, learn about cultural norms and values, reflect on issues of social justice prevalent in these communities, and develop oral and written proficiency in Spanish. Class materials include both written and community texts, presentations, film and news media. Active participation in both the community and the classroom are key components of the course. In addition to classes on campus, each student will carry out three hours per week of work at a designated service placement site in a Latin community in or near Philadelphia. This class focuses on learning how to "read the texts" of your service experience, how to read the texts of concepts and theories and how to make connections between the two. Prerequisite: SPA 302 or 303. This is a Service Learning course. Latin American Studies.
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP420
Attributes: GEP Art/Literature, Undergraduate

SPA 370 Topics in Spanish (3 credits)
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Spanish-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Prerequisite: SPA 302 or 303.
Prerequisites: SPA 302 or SPA 303 or Language Placement with a score of SP420
Attributes: Undergraduate

SPA 375 Translation (3 credits)

SPA 380 Intro to Spanish Linguistics (3 credits)
This course is an introduction to the study of language and principles of Spanish linguistics including: the sound system (phonetics and phonology), the formation of words (morphology), sentence structure (syntax), as well as word and sentence meaning (semantics); in addition, we will discuss linguistic change throughout time (historical linguistics), linguistic variation in geographical space (dialectology) and within society (sociolinguistics), language use for communication (pragmatics), language learning (second language acquisition), and language teaching (pedagogy and applied linguistics). This course also counts for a Linguistics minor. Prerequisite: SPA 301 or 303.
Prerequisites: SPA 301 or SPA 303 or Language Placement with a score of SP420
Attributes: Undergraduate

SPA 396 Spanish AP Course (3 credits)
SPA 401 Topics in Latin Am Cultures (3 credits)
This course is a focused study of select aspects of Latin American cultures. It is designed to help students build a framework for understanding some of the geographical, historical, social, and political circumstances that have shaped Latin American realities and cultural manifestations. The course will take a thematic approach, and topics will vary. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300 or 400 level. It would be helpful though not required that the student have some kind of introduction to Latin America prior to or concurrent with this course. Latin American Studies.
Attributes: Non-Western Studies (GEP), Undergraduate

SPA 402 Topics in Spanish Cultures (3 credits)
This course provides an in-depth look at select aspects of Spanish cultures and civilization. It also provides a framework for understanding these cultural manifestations within their geographical, historical, political and social contexts. The course will take a thematic approach, and topics will vary. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300 or 400 level. It would be helpful though not required that the student have some kind of introduction to Spain prior to or concurrent with this course.
Attributes: Undergraduate

SPA 410 Old Wrd to New Wrd Hsp Lit (3 credits)
SPA 411 Mod Wld to Pres Wld in Hsp Lit (3 credits)
SPA 420 Major Latin American Authors (3 credits)
An in-depth study of selected texts by major authors in different genres (poetry, fiction, essay, and theater) with special emphasis on the interrelationship of genre, form, and content. Fulfills the GEP Art/Lit requirement. Latin American Studies.
Prerequisites: Language Placement with a score of SP420
Attributes: GEP Art/Literature, Undergraduate

SPA 421 Shrt Mod Latn Am Novel & Film (3 credits)
Analyzing these "novelas" we study the (re)construction of national identity through the modern literary discourse in particular, and the question of the development of Latin American identities, in general. Goals: throughout our literature readings and analysis we intend to answer questions such as how do these narrative texts articulate a discourse of Latin American identity; how is Latin America culturally different; what makes it culturally "the other" in relation to Occidental hegemonic cultures; should we talk about Latin American identity or/ and regional/ national identities. Ways of approaching the identity questions may be: studying technical innovations that disarticulate the traditional realistic discourse of the novel of XIX century; seeing the ways these texts re-textualize the social history of Latin-America, like for example the testimonial novel; studying some examples of magical realism and the fantastic as forms of constructing/ textualizing our identities; mapping Latin American region, cities/country; studying the ways that Latin American people are constructed in this narrative, as well as their cultures, reaching the political, ideological, social subtexts of these novels. Possible authors: Gómez de Avellaneda, Bombal, Onetti, R. Castellanos, E. Garro, Sábato, Fuentes, Vargas Llosa, Carpenter, García Márquez, Rufó, Benedetti, M. Traba, Peri Rossi, Cortázar, Galeano, T. Mercado, Giardinelli, A. Gorodischer, L. Heker, S. Molloy, G. Gambaro, I. Verolin, among others. Fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: Undergraduate
SPA 422 Cult, Dictshp & Exile: 1973-85 (3 credits)
In this course we study different aesthetic discourses of the dictatorship period between 1973 and 1985, in the Latin American Southern Cone. According to the theories of Jameson and Terdiman, among others, we consider these discourses as an arena of social and ideological struggle. We will elucidate the ways in which these cultural texts register and articulate that struggle in relation to the social and political situation of the region. In addition, we will consider the different ways social imaginary is refracted in those aesthetic products, reconstructing the ideologies within their subtexts. Some of the following cultural expressions of the period are selected to be studied in this course: Movies/Videos: Un lugar en el mundo, Los ojos de los pájaros, Missing, La historia oficial (The Official History), La noche de los lípcies, Death and the Maiden, School of Assassins, Machuca. Literary Texts: narrative by Partnoy, Galeano, Traba, Benedetti, Valenzuela, Dorfman; poetry by Benedetti, Rosencof, Gelman, La canción de los presos (Anonymous). Lyrics: by D. Viggleti, M. Sosa, V. Jara, L. Gieco, Sting, among others. Fulfills the GEP Art/Lit requirement. Latin American Studies.
Prerequisites: SPA 310 or SPA 350
Attributes: GEP Art/Literature, Latin American Studies Course, Undergraduate

SPA 423 Latin Am Modern Short Story (3 credits)
This course includes the reading of short stories and nouvelles within the boundaries of a social and ideological framework. The (re)construction of national identities through modern narrative discourse and the development of a Latin American identity in general will be discussed in this course. Authors: Darío, Quiroga, Felisberto Hernández, Borges, Bioy Casares, Mujica Láinez, Cortázar, Onetti, Poniatowska, Rulfo, Carpentier, García Márquez, Galeano, Haroldo Conti, L. Padura Fuentes, R. Arenas, Irma Verolín, M. L.Valenzuela, R. Ferré, Zoé Valdés, A. Somers, Benedetti, Peri-Rossi, etc. Students’ tasks may include: journal of critical readings; mid-term and final exams; final research paper. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: GEP Art/Literature, Undergraduate

SPA 424 Discourse of Lat Am Modernity (3 credits)
This course will focus on the use of the poetic discourse of Latin American Modernity as a means of constructing identity, from an aesthetical-ideological perspective. We will analyze this poetic discourse beginning with Modernism on through the Transitional Period and the Vanguard, ending with the poetry of social issues of the 70s. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: GEP Art/Literature, Undergraduate

SPA 425 Imagery of the Conquest (3 credits)
Most official histories of early contact between Europeans and Amerindians in Latin America will present a Eurocentric version of American reality. This course will explore Amerindian and mestizo perspectives as expressed through a variety of texts, such as narrative, poetry and song, illustrations and painting, maps, uprisings, and other forms of expression. The objective is to better understand pre-Colombian civilizations and the effects of European colonization on Amerindian cultures. The course will analyze how Amerindian and mestizo subjects authorize their voices, represent their own unique identities, and respond to the cultural changes brought about through conquest and colonization. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300-400 level. It would be helpful though not required that the student have some kind of introduction to Latin America prior to or concurrent with this course. This course fulfills the GEP Art/Lit and the Non-Western Studies requirements. Latin American Studies.
Attributes: GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

SPA 426 Culture in Revolution (3 credits)
In this course students will become familiar with three main milestones of Latin American history and culture in the 20th century: the Mexican, Cuban and Nicaraguan Revolutions. Beginning with a discussion of the concept of "revolution" and a brief historical introduction to these periods, we will focus specifically on the cultural policies of the new regimes, with particular emphasis on the literary campaigns derived from those policies. Students will also become familiar with the different cultural manifestations of those periods, including literature, visual arts, and popular music. Prerequisites: SPA 302 or 303; and either SPA 310, 350 or 355 or permission of instructor. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Prerequisites: (SPA 310 or SPA 350 or SPA 355)
Attributes: GEP Art/Literature, Undergraduate

SPA 427 Iden & Power in Am:1350-1650 (3 credits)
In this interdisciplinary course, students will use both primary and secondary sources to examine the construction of identities and the relations between different kinds of power—for example, military, social, political—among three distinct peoples who built imperial states in the Americas: the Aztec, the Inca, and the Spanish. The first part of the course will address each of these three cultures in the era leading up to the Spanish exploration and conquest of the Americas. In the second part of the course, students will analyze changes in the construction of identity and power wrought by European-indigenous contact. This course fulfills the GEP Art/Lit requirement. Latin American Studies.
Attributes: GEP Art/Literature, Undergraduate

SPA 430 Nar of Euro Explor & Con in Am (3 credits)
In this course students think about how various spaces became places through human experience in Colonial Spanish America. They engage in reflective discussion about the physical conditions, value systems, beliefs and politics that created such places and, in some cases, have changed their meaning over time. They explore the dynamics of spaces endowed with different values by different peoples at different times. Through these discussions students think about some commonplaces of colonial experience, as well as the experience of colonial legacies and colonial places in the 21st century. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300 or 400 level. It would be helpful though not required that the student have some kind of introduction to Latin America prior to or concurrent with this course. This course fulfills the Art/Lit and the Non-Western Area Studies requirements. Latin American Studies.
Prerequisites: SPA 302 or SPA 303
Attributes: GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

SPA 431 Commonplaces of Colonial Exp (3 credits)
In this course students think about how various spaces became places through human experience in Colonial Spanish America. They engage in reflective discussion about the physical conditions, value systems, beliefs and politics that created such places and, in some cases, have changed their meaning over time. They explore the dynamics of spaces endowed with different values by different peoples at different times. Through these discussions students think about some commonplaces of colonial experience, as well as the experience of colonial legacies and colonial places in the 21st century. Prerequisites: SPA 302 or 303 and at least one other SPA course at the 300 or 400 level. It would be helpful though not required that the student have some kind of introduction to Latin America prior to or concurrent with this course. This course fulfills the Art/Lit and the Non-Western Area Studies requirements. Latin American Studies.
Prerequisites: SPA 302 or SPA 303
Attributes: GEP Art/Literature, Non-Western Studies (GEP), Undergraduate

SPA 440 Major Spanish Authors (3 credits)
A study in depth of one or two major authors; the choice to be determined by the instructor. This course fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 441 Love, Cortshp & Vio in Med Lit (3 credits)
SPA 442 Passions Hrt & Soul in Imp Spn (3 credits)
Reading, discussion, and analysis of selected works in 16th and 17th century Spanish drama. This course fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 443 Gender, Sexlity & Soc Conflct (3 credits)
SPA 444 Don Quixote (3 credits)

SPA 445 Lit Spn of Ignatius of Loyola (3 credits)

SPA 446 Romanticism and Realism (3 credits)

SPA 447 The Gen of 1898 & Modernismo (3 credits)
A seminar course on some of the authors of this generation, Unamuno, Machado, Maria Martínez Sierra, and the impact of Modernismo on Spanish literature. This course fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 448 The Posguerra Generation (3 credits)
An in-depth study of the contemporary figures of Spanish literature from the Spanish Civil War to Franco's death. Emphasis will be placed on the new trends in the novel and the theater. This course fulfills the GEP Art/ Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 449 Spanish Literature and Film (3 credits)
Films by contemporary Spanish directors (Buñuel, Saura, Camus, Erice) based on literary works from the 19th and 20th centuries (Galdós, Unamuno, Lorca, Delibes) comparing cinematographic techniques with their literary counterparts. Emphasis will be placed on a theoretical approach as well as the socio-political context of the respective works. This course fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 450 Spain into the 21st Century (3 credits)
A seminar on the cultural changes which have taken place in Spain since Franco's death in 1975, as they are reflected in the contemporary novel, short story, and film. The objective of the course is to give a comprehensive understanding of the "New Spain" which has emerged in the last thirty years of Democracy. Our approach will be a critical analysis of the works paying attention to literary and cultural trends, themes and techniques within the context of the socio-political times. Readings, class discussions, oral presentations, and papers will be totally in Spanish. This course fulfills the GEP Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 451 Narrative cine la Esp democrat (3 credits)
This course examines narrative and film in Spain from the demise of the Franco dictatorship (1975) until today. In doing so, the course focuses on cultural and aesthetic renovations such as the cinema of Pedro Almodovar in the "movida madrileña" and the new representations of Spanish youth in the 1990s with the "generación Kronen." This course also analyzes additional approaches for understanding Spanish culture through the social cinema of Fernando León de Aranoa, and the role of Franco's traumatic dictatorship in today's society. Finally, we will examine the current socioeconomic crisis in Spanish society and how it affects younger generations.
Prerequisites: SPA 302 and (SPA 310 or SPA 350 or SPA 355) and PHL 154
Attributes: Ethics Intensive (New GEP)

SPA 452 Hist. on Screen: Hist/Culture (3 credits)
This course examines Spain's history and culture through the analysis of historical films. The course begins with an introduction to the concept of History and a definition of historical cinema. After this introduction the course will focus on some key historical periods of Spanish history such as the Conquest of America with Iciar Bollaín's feature film También la lluvia; the rise and decay of the Spanish empire in Alatriste by Augustin Diaz Yanes; and the Spanish Civil War with the analysis of José Luis Saénz de Heredia's Raza, among others. The class also deals with cultural issues that have affected Spain throughout its history focusing on issues of national and regional identity such as, for instance, the separatist movement of part of Basque Country's society and the terrorist group ETA in the documentary La pelota vasca by Julio Médem. In addition to introducing students to key moments and aspects of Spanish history and culture, this course invites students to think critically about History's objectivity and how historical events are often shaped to satisfy current political projects. Other underlying issues will be reflected on whether film may be considered History. Fulfills the GEP Art/Literature requirement.

SPA 455 Women in Spanish Literature (3 credits)
Feminist interpretation of major works of a given period of Peninsular or Latin American literature. Choice to be determined by instructor.
Prerequisite: SPA 310. This course fulfills the Art/Lit requirement.
Attributes: GEP Art/Literature, Undergraduate

SPA 456 Women's Voices in 20th Cen Fic (3 credits)

SPA 460 A Ling Approach to Oral Com (3 credits)
In this course, we will analyze communication from a linguistic perspective and also focus on the development of advanced oral communication skills. Drawing on current research in the field of linguistics (including discourse analysis, cross-cultural communication, semantics, pragmatics, etc.) we will explore various aspects of "communication" as well as study methods used to investigate oral communication. Significant class time will also be devoted to the continued development of students' own communicative competence and oral language proficiency. Students will engage in activities aimed at developing their interpersonal and presentational communicative skills. This course will be beneficial to students who are majoring or minoring in Spanish as well as those who plan to use Spanish for personal or professional reasons outside the classroom. Because of its emphasis on communication skills for non-native speakers, this course is not open to native or heritage speakers of Spanish. This course also counts for a Linguistics minor. Prerequisite: SPA 302.
Prerequisites: SPA 302
Attributes: Undergraduate

SPA 461 Methods for Teaching Spanish (3 credits)
This course is designed for students who are potentially interested in teaching Spanish at the university, secondary or elementary levels. We will explore general aspects of Spanish phonology, morphology, syntax, and semantics as they bear upon teaching the Spanish language. Topics discussed include second language acquisition, pedagogical theory, materials preparation and language teaching methodology. This course also counts for a Linguistics minor. Prerequisites: SPA 302 or 303; and SPA 380.
Prerequisites: (SPA 380) and SPA 302 or SPA 303
Attributes: Undergraduate
SPA 466 Spanish Dialectology (3 credits)  
In this course, students will become familiar with the range of dialect features exhibited in the Spanish spoken in Spain, Latin America, and the US. We will also discuss the relationship between language and dialect, examine the role of the standard language in both written and oral usage, and identify the factors that have contributed to the diversity of the Spanish language. This course also counts for a Linguistics minor.  
Prerequisites: SPA 302 or 303. Latin American Studies.  
Attributes: Latin American Studies Course, Undergraduate

SPA 467 Lang Contact & Pol in U.S. (3 credits)  
This course is designed to engage students in a review critical analysis of the history and politics of language contact within the context of the United States. Given the demographic shifts in population taking place currently in the U.S., the course will focus primarily on the contact between Spanish and English. We will discuss bilingualism and the characteristics of language contact, language ideologies, language planning and policy, Official English movements, and bilingual education. We will examine the language of hegemony used to maintain the dominance of English vis-a-vis Spanish (and other languages) present in our society. We will also do some comparative study connecting this reality to what is happening with Spanish in other situations of language contact. This course also counts for a Linguistics minor. Satisfies Diversity requirement. Latin American Studies.  
Prerequisites: SPA 302 or SPA 303  
Attributes: Diversity Course (New GEP), Latin American Studies Course, Undergraduate

SPA 468 Spanish Phonetics & Phonology (3 credits)  
This course consists of a theoretical investigation of the phonetic/phonological system of the Spanish language. Practical emphasis will be placed on aspects of the Spanish sound system that are typically problematic for the native speaker of English learning Spanish. The course will also consist of an investigation of some of the more salient features of Spanish dialectology at the phonetic and phonological levels. This course also counts for a Linguistics minor. Prerequisite: SPA 302 or 303.  
Prerequisites: SPA 302 or SPA 303  
Attributes: Undergraduate

SPA 470 Topics in Spanish (3 credits)  
The purpose of this course is to explore specific topics within the literatures and/or cultures of the Spanish-speaking world. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. Prerequisites: SPA 302 and at least one 300-level SPA course in culture or literature (such as 310, 350, 351, 355 or 356) or instructor's approval.  
Prerequisites: SPA 302 or Language Placement with a score of SP470  
Attributes: Undergraduate

SPA 480 Topics in Spanish Linguistics (3 credits)  
The purpose of this course is to explore specific topics within the field of linguistics as they relate to the Spanish language. Topics will vary according to the semester in which the class is offered; check the semester listing for current topic. This course also counts for a Linguistics minor. Prerequisite: SPA 302 or 303.  
Prerequisites: SPA 302 or SPA 303  
Attributes: Undergraduate

SPA 489 Independent Research in Span I (3 credits)  
Prerequisites: SPA 310; and 350, 351, 355 or 356; and 380. Also, non-heritage speakers of Spanish need to have taken SPA 302.  
Attributes: Undergraduate

SPA 490 Independent Research in Span II (3 credits)  
Prerequisites: SPA 310; and 350, 351, 355 or 356; and 380. Also, non-heritage speakers of Spanish need to have taken SPA 302.  
Attributes: Undergraduate

SPA 491 Spanish Internship I (3 credits)  
This course is a practicum in which the student applies his/her communication skills in Spanish in a work environment related to his/her professional area. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place in order to discuss the course requirements and expectations. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or will deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Spanish majors or minors who have completed the other course requirements for the major or minor. Prerequisites: SPA 302 or 303.  
Attributes: Undergraduate

SPA 492 Spanish Internship II (3 credits)  
This course is a practicum in which the student applies his/her communication skills in Spanish in a work environment related to his/her professional area. The majority of the work for this course is that performed at the internship site. The student is responsible for securing the internship site and will meet with the professor prior to the semester in which the internship is to take place in order to discuss the course requirements and expectations. During the practicum, the student will reflect upon his/her experience at the internship site in written assignments and in regular meetings with the professor. At the end of the semester, the student will submit a final paper or will deliver a final presentation based on his/her internship experience. This course is intended as an advanced course for Spanish majors or minors who have completed the other course requirements for the major or minor. Prerequisites: SPA 302 or 303.  
Attributes: Undergraduate
SPE 160 Intro to Special Education (3 credits)
This introductory course is designed to provide teachers-in-training with an understanding of the child with a disability in various instructional settings. Students will be provided with an overview of Special Education with emphasis on historical and emerging perspectives. Topics to be examined will include types and natures of exceptionalities; legal and ethical responsibilities of teachers; least restrictive environment; various instructional settings; the inclusion of exceptional children in regular education; services and programs for the exceptional child.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Undergraduate

SPE 160F FE Intro to Special Education (0 credits)
This introductory course is designed to provide teachers-in-training with an understanding of the child with a disability in various instructional settings. Students will be provided with an overview of Special Education with emphasis on historical and emerging perspectives. Topics to be examined will include types and natures of exceptionalities; legal and ethical responsibilities of teachers; least restrictive environment; various instructional settings; the inclusion of exceptional children in regular education; services and programs for the exceptional child.
Attributes: Undergraduate

SPE 200 Teaching in Inclusive Environ (3 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, practices; organizes the environment, including school-wide, class-wide, and individual supports; measures and reports progress. In addition, course study will focus on understanding how adolescent behaviors are influences by pedagogical practices and classroom environments. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior.
Attributes: Undergraduate

SPE 203F FE Tchng Adolesc Inclus Environ (0 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, practices; organizes the environment, including school-wide, class-wide, and individual supports; measures and reports progress. In addition, course study will focus on understanding how adolescent behaviors are influences by pedagogical practices and classroom environments. While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults. Pre-requisite: SPE 160/160F.

SPE 200F FE Teaching in Inclusive Envir (0 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, practices; organizes the environment, including school-wide, class-wide, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students as well as the development of proactive approaches to classroom and school environments. This will enable teachers to increase the amount of academic learning time in which to address the needs of all students in inclusive classrooms and to increase achievement. In addition, the course study will include a focus on understanding how behaviors are influenced by pedagogical practices.
SPE 230 Intro to Special Education (3 credits)

SPE 231 FE Intro to Special Education (2 credits)

SPE 310 Assessment & Progress Monitor (3 credits)
This course is designed to introduce teacher candidates to educational assessment in regular and special classroom settings at the secondary level. The course will provide teacher candidates with an in-depth understanding of the different types of assessment strategies including how to use multiple assessment data for making a wide range of educational decisions. Content will include an overview of different types of assessments including screening, diagnostic, formative, summative, authentic, benchmark and differentiated. Teacher candidates will learn basic testing, measurement and evaluation concepts, examine instruments that reflect constructs of interest (knowledge, affect, behavior), construct various types of assessments and interventions and analyze and use instruments. Teacher candidates will also learn how to analyze and interpret assessment data for making instructional decisions. Throughout the course, teacher candidates will learn the importance of critical issues in the field of assessment and evaluation including: 1. philosophical and theoretical perspectives on assessment in schools, 2. contemporary context of school assessment and educational reform, 3. intersection of cultural difference and school assessment, 4. ethical principles of effective assessment and 5. teacher accountability and assessment. Pre-requisite: SPE 160/160F.

SPE 310F FE:Assessment&Progress Monitor (0 credits)
This course is designed to introduce teacher candidates to educational assessment in regular and special classroom settings at the secondary level. The course will provide teacher candidates with an in-depth understanding of the different types of assessment strategies including how to use multiple assessment data for making a wide range of educational decisions. Content will include an overview of different types of assessments including screening, diagnostic, formative, summative, authentic, benchmark and differentiated. Teacher candidates will learn basic testing, measurement and evaluation concepts, examine instruments that reflect constructs of interest (knowledge, affect, behavior), construct various types of assessments and interventions and analyze and use instruments. Teacher candidates will also learn how to analyze and interpret assessment data for making instructional decisions. Throughout the course, teacher candidates will learn the importance of critical issues in the field of assessment and evaluation including: 1. philosophical and theoretical perspectives on assessment in schools, 2. contemporary context of school assessment and educational reform, 3. intersection of cultural difference and school assessment, 4. ethical principles of effective assessment and 5. teacher accountability and assessment. Pre-requisite: SPE 160/160F.

SPE 319 Assessment:Ident & Progr Monit (3 credits)
This course will provide an in-depth presentation of the complex issue of assessment in early care and education. The content of this course will provide students with an in-depth review of informal evaluation procedures and classroom-based data collection strategies for young children in inclusive early care and education settings. Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/ program decision- making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Additional course topics address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/ progress reporting with a focus on procedural considerations in the assessment of development and learning in the early childhood years. Related foci for discussion will also include the challenges in both assessing young children and using assessment data to design meaningful, developmentally appropriate activities for children and their families. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate

SPE 319F FE:Assessment&Progress Monitor (0 credits)
This course will provide an in-depth presentation of the complex issue of assessment in early care and education. The content of this course will provide students with an in-depth review of informal evaluation procedures and classroom-based data collection strategies for young children in inclusive early care and education settings. Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/ program decision- making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Additional course topics address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/ progress reporting with a focus on procedural considerations in the assessment of development and learning in the early childhood years. Related foci for discussion will also include the challenges in both assessing young children and using assessment data to design meaningful, developmentally appropriate activities for children and their families. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania's Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.
SPE 329 Educ Stds w/High Incid Disabil (3 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.
Attributes: Undergraduate

SPE 329F FE: Ed Stds w/ High Incid Disb (0 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.
SPE 330 Educ Studts w Low Incid Disabi (3 credits)

SPE 330F FE Edu Stu w Low Incid Disab (0 credits)

SPE 339 Educ Stds w/Low Incid Disabil (3 credits)

This course addresses the definitions, characteristics, assessment and specific techniques for students needing adaptive and functional curricula. Characteristics are addressed in relation to why and how specialized instruction can meet the learning and developmental needs of these individuals, specifically in the areas of instruction, assistive learning, and language-communication. This includes research validated instructional strategies, adaptive and assistive technologies including augmentative communication systems, and communication and social interaction alternatives for non-speaking individuals. In addition, the course reviews behaviorally-based educational models for students with autism and other moderate and severe disabilities, and presents methods aimed at enhancing functional skill development in major life domains, with emphasis on community-based training and self-determination. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate

SPE 339F FE Edu Stu w Low Incid Disab (0 credits)

This course addresses the definitions, characteristics, assessment and specific techniques for students needing adaptive and functional curricula. Characteristics are addressed in relation to why and how specialized instruction can meet the learning and developmental needs of these individuals, specifically in the areas of instruction, assistive learning, and language-communication. This includes research validated instructional strategies, adaptive and assistive technologies including augmentative communication systems, and communication and social interaction alternatives for non-speaking individuals. In addition, the course reviews behaviorally-based educational models for students with autism and other moderate and severe disabilities, and presents methods aimed at enhancing functional skill development in major life domains, with emphasis on community-based training and self-determination. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania’s Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student’s education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.

SPE 340 Literacy Intervention Strategy (3 credits)

SPE 340F FE: Literacy Intervent Strategy (0 credits)

SPE 349 Literacy & Intervention Strat (3 credits)

This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate
SPE 349F FE: Literacy & Intervention Strategy (0 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

SPE 350 Teaching in Inclusive Environment (3 credits)
SPE 350F FE Teaching in Inclusive Environment (0 credits)
SPE 351 Educ Studnts w High Incid Disab (3 credits)
SPE 352 ThryInstrPract:Emot/Soc/Behav (3 credits)
SPE 353 Assessment & Progress Monitor (3 credits)
SPE 354 FE Educ Stu w High Incid Disab (2 credits)
SPE 359 Math & Content Area Interv Str (3 credits)
This course is an intensive and comprehensive study of research practices for the instruction of Mathematics, Science, and Social Studies for students with high incidence disabilities. Content will cover diagnostic planning, curriculum design, progress monitoring, and the development of student-specific programs involving evidence-based interventions. This course centers around the Response to Intervention model and most of the strategies discussed are based on the research which supports multi-sensory instruction, integrated learning experiences, and the multiple intelligences. Focus will also be given to the development of appropriate goals and the implementation of research-based curriculum, concepts, and instructional strategies which are most effective for students with high incidence disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate

SPE 359F FE Math & Cont Area Interv Str (0 credits)
This course is an intensive and comprehensive study of research practices for the instruction of Mathematics, Science, and Social Studies for students with high incidence disabilities. Content will cover diagnostic planning, curriculum design, progress monitoring, and the development of student-specific programs involving evidence-based interventions. This course centers around the Response to Intervention model and most of the strategies discussed are based on the research which supports multi-sensory instruction, integrated learning experiences, and the multiple intelligences. Focus will also be given to the development of appropriate goals and the implementation of research-based curriculum, concepts, and instructional strategies which are most effective for students with high incidence disabilities. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate

SPE 360 Educ Studts w Low Incid Disabi (3 credits)
SPE 360F FE Educ Stu w Low Incid Disab (0 credits)
SPE 361 Technology & Instructl Design (3 credits)
SPE 362 FE Edu Stu w Low Incid Disab (2 credits)
SPE 369 Ed Stds w/Emot-Social Beh Disb (3 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.

Attributes: Undergraduate

SPE 369F FE: Ed Stds/Emot-Social Beh Disb (0 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping. Candidates will develop lesson plans, unit plans, IEPs, IFSPs, 504 plans and intervention strategies that employ Pennsylvania’s Standards Aligned System. By using http://www.pdesas.org, candidates will be able to modify and implement curriculum using the appropriate Academic Standards, including Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. Pre-requisite: SPE 160/160F.
SPE 379 Fam School & Comm:Diverse Soc (3 credits)
This course focuses on the process of family assessment and intervention, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's educational needs and social-emotional development and the network of community services and resources to individuals, families and groups affected by social, environmental, health and related problems. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania's Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student's education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.
Attributes: Undergraduate

SPE 379F FE Fam School & Comm:Diver Soc (0 credits)
This course focuses on the process of family assessment and intervention, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's educational needs and social-emotional development and the network of community services and resources to individuals, families and groups affected by social, environmental, health and related problems. Candidates will develop effective, evidence-based instructional strategies for all levels of support (PK-8). These will include: lesson plans, unit plans, IEPs, IFSPs, 504 plans, and intervention strategies that employ Pennsylvania's Standards Aligned Systems (http://www.pdesas.org). Candidates will be able to modify and implement curriculum including appropriate adaptations and technology, using the appropriate Academic Standards, Alternate Academic Standards where necessary, Assessment Anchors, and eligible content. In addition, candidates will demonstrate the ability to collaborate and plan for student outcomes and transition at designated times throughout the student's education, including Age 3 transition for Pre K-8, secondary transition procedures (7-12), and transition to post school success. This course of study will include: applying the knowledge of transition-related legislation in fields of special and vocational education, rehabilitation, labor and civil rights; developing and implementing a transition plan that integrates functional, academic, and vocational data aligned to identified post school outcomes; and administering and interpreting formal and informal career and vocational assessment approaches. Pre-requisite: SPE 160/160F.

SPE 389 Perspect on Gifted/Talented (3 credits)
This course will provide an in-depth presentation of the complex issue of assessment for all students at the early childhood level through secondary education. The content of this course will provide students with an in-depth review of a variety of evaluation procedures and classroom-based data collection strategies for students in all educational settings. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/ program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Students will be provided with an opportunity to explore assessment as it relates to their course of study. Additional course topics address legislation, regulations, topical issues, emerging evaluation trends, behavioral and social emotional assessment, test modifications/accommodations, parent involvement and assessment/ progress reporting with a focus on procedural considerations in the assessment of development and learning. Related foci for discussion will also include the challenges in both assessing all students and using assessment data to design meaningful, developmentally appropriate activities for all students. Previous coursework related to the study of the contemporary and controversial issues within the field of special education will assist the learner in applying conceptual knowledge into practice to ensure success for all students. Knowledge of evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services as well as an understanding of the contemporary and controversial issues within the field of special education will assist the learner in applying conceptual knowledge into practice to ensure success for all students.

SPE 460 Math & Content Intervent Strat (3 credits)
SPE 470 Emotional/Soc/Behavior Disabil (3 credits)
SPE 470F FE:Emot/Soc/Behav Disabilities (0 credits)
SPE 471 Liter Instru in Content Areas (3 credits)
SPE 472 Math, Sci, & Soc Stu Instruc (3 credits)
SPE 473 Edu Stu w Em/Soc & Beh Disord (3 credits)
SPE 490 SPED Lab and Seminar (3 credits)
SPE 495 Special Ed. Student Teaching (6 credits)
This experience is designed as the capstone professional course in the Special Education major. It is to be the final course in the sequence of Special Education courses for certification. The student teaching experience approximates a full time working experience for a fourteen week semester. It includes a supervised teaching experience as well as a weekly seminar class in which issues related to student teaching are studied. Evaluations are conducted by the seminar instructor, the cooperating teacher and a university supervisor.
Attributes: Undergraduate
SPE 498 SPE Studnt Teacher - Dual Prog (6 credits)
SPE 570 Special Ed Independent Study (3 credits)
SPE 600 Found & Current Issues: Sp Edu (3 credits)
This course is a critical study of the contemporary and controversial issues within the field of special education. Consideration will be given to the philosophical, psychological, and sociological basis of teacher education, including an analytical review of research-based curricula, programmatic innovations, policy issues and their effects, and ethical practices. Discussions will focus on evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services. Restrictions: Enrollment is limited to Doctoral or Graduate level students.
SPE 600F FE: CurrentIssuesSPED:PrcPr (0 credits)
This course is a critical study of the contemporary and controversial issues within the field of special education. Consideration will be given to the philosophical, psychological, and sociological basis of teacher education, including an analytical review of research-based curricula, programmatic innovations, policy issues and their effects, and ethical practices. Discussions will focus on evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services. Restrictions: Enrollment is limited to Doctoral or Graduate level students.
SPE 601 EducAssessment & ProgMonitoring (3 credits)
This course will provide an in-depth presentation of the complex issue of assessment for all students at the early childhood level through secondary education. The content of this course will provide students with an in-depth review of a variety of evaluation procedures and classroom-based data collection strategies for students in all educational settings. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques and include an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques. Addition course topics will address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/progress reporting. Prerequisites: SPE 4805 or SPE 550 or SPE 600 or SPE 5105 Restrictions: Enrollment is limited to Graduate level students.
SPE 601F FE: EducAssess&ProgMonitoring (0 credits)
SPE 602 DiagnosticAsses/ProgressMon (3 credits)
This course will provide an in-depth presentation of the complex issue of assessment, including an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques. Addition course topics will address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/progress reporting. Prerequisites: SPE 4805 or SPE 550 or SPE 600 or SPE 5105 Restrictions: Enrollment is limited to Graduate level students.
SPE 602F FE:DiagnosticAsses/ProgressMon (0 credits)
This course will provide an in-depth presentation of the complex issue of assessment, including an examination of evaluation procedures, from pre-referral intervention, eligibility/placement/program decision-making to progress monitoring of scientifically-based instructional interventions based on Response to Intervention (RTI). Focus will include academic, affective, work-study skill, adaptive functioning, fine motor, and environmental measures. Content coverage will consist of an overview of assessment models including traditional, informal, dynamic, performance, curriculum-based, and alternative techniques. Addition course topics will address legislation, regulations, topical issues, emerging evaluation trends, test modifications/accommodations, parent involvement and assessment/progress reporting. Prerequisites: SPE 4805 or SPE 550 or SPE 600 or SPE 5105 Restrictions: Enrollment is limited to Graduate level students.
SPE 603 Thry&InstrPracticeStdntHighInc (3 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities. Prerequisites: SPE 4805 or SPE 550 or SPE 600 or SPE 5105 Restrictions: Enrollment is limited to Graduate level students.
SPE 603F FE Stdnts W/High Disabilities (0 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning and programmatic organization of instruction for children with learning problems. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students’ needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; and systems management necessary for effective instruction of children with disabilities. Focus will also be given to the development and implementation of differentiated curriculum and curricular enhancements, and concepts and teaching practices related to the development and implementation of effective instructional programs for students with high incidence disabilities.

SPE 604 RsrchBsedModel:Lit,WritOrLan (3 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities. 
Restrictions: Enrollment is limited to Graduate level students.

SPE 604F FE Reading in Content Area (0 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach accuracy, fluency, comprehension, and monitoring strategies in literacy and content area reading to students with disabilities, including exceptional children in regular classroom, with emphasis on applying findings from research in reading to classroom practices, including children who are linguistically and culturally diverse. Content will include diagnostic-prescriptive techniques for remediation of reading and written language and associated learning disabilities.

SPE 605 RsrchBasedModel:MathSciencePro (3 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach mathematics and content area subjects, including science and social studies. A study of theory and practice of effective teaching methodologies, combined with principles of differentiated instruction. Attention will be on teaching models and methods supported by research and emphasis will be placed on development of effective teaching procedures.

SPE 605F FE Math & Science Procedures (0 credits)
This course will focus on the development of competency in the implementation of explicit and systematic evidence-based instructional strategies designed to teach mathematics and content area subjects, including science and social studies. A study of theory and practice of effective teaching methodologies, combined with principles of differentiated instruction. Attention will be on teaching models and methods supported by research and emphasis will be placed on development of effective teaching procedures.

SPE 606 ThryInstrPract:Emot/Soc/Behav (3 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping. 
Restrictions: Enrollment is limited to Graduate level students.

SPE 607 ThryInstrPrctStdntsW/LowInc (3 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping.
Restrictions: Enrollment is limited to Graduate level students.

SPE 607F FE Students W/Low Disabilities (0 credits)
This course covers personal, social, and emotional disorders in an educational setting, including methods of identification, assessment, and instructional planning; develops skills in effective classroom management and creating classroom climate conducive to learning and growth. It also provides comprehensive coverage of a variety of models of disciplines and aids students in building systems and conceptual models of total discipline, emphasizing activities promoting pupil motivation and classroom management and organization of the environment, instruction, behavior and record keeping.

SPE 608 Families/Schls&Cmnty:CommCollab (3 credits)
This course focuses on the home-school partnerships, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's educational needs and social-emotional development and the network of community services and resources available to individuals, families and groups affected by social, environmental, health and related problems.
Restrictions: Enrollment is limited to Graduate level students.

SPE 608F Families/SchlsCommunities (0 credits)
This course focuses on the home-school partnerships, issues of family and professional collaboration and diversity, and methods of promoting adult communication and management strategies. It applies the knowledge of cultural and linguistic diversity and the significance of socio-cultural and political contexts as they relate to the family, culture and society. It identifies the members of teams designed to support and optimize children's educational needs and social-emotional development and the network of community services and resources available to individuals, families and groups affected by social, environmental, health and related problems.
SPE 609 SPED Clinical Practicum I (3 credits)
This is a combined seminar/internship experience. This fieldwork experience will provide the candidate with an opportunity for in-depth varied and continuous instruction experiences. The practicum will include a variety of researched based instructional practices, assessment procedures, classroom management strategies and organizational strategies to provide structured opportunities for professional growth and stimulation. These experiences will enable the candidate to (a) apply the knowledge and skills acquired through his/her study and previous experience to actual classroom situations that a teacher will face in a Response to Intervention Classroom; (b) integrate the concepts and skills from different prior learning experiences as well as researched based principles in reading, comprehension and writing for educational programming and apply to individual situations; (c) become involved in the routine functions of a classroom teacher including planning, assessment, progress monitoring and collaboration with peers. Course requirements are designed to meet Departmental and Commonwealth standards.
Restrictions: Enrollment is limited to Graduate level students.

SPE 610 SPED Clinical Practicum II (3 credits)
This is a combined seminar/internship experience. This fieldwork experience will provide the candidate with an opportunity for in-depth varied and continuous instruction experiences. The practicum will include a variety of researched based instructional practices, assessment procedures, classroom management strategies and organizational strategies to provide structured opportunities for professional growth and stimulation. These experiences will enable the candidate to (a) apply the knowledge and skills acquired through his/her study and previous experience to actual classroom situations that a teacher will face in a Response to Intervention Classroom; (b) integrate the concepts and skills from different prior learning experiences as well as researched based principles in mathematics and content areas for educational programming and apply to individual situations; (c) become involved in the routine functions of a classroom teacher including planning, assessment, progress monitoring and collaboration with peers. Course requirements are designed to meet Departmental and Commonwealth standards.
Restrictions: Enrollment is limited to Graduate level students.

SPE 611 SPED Lab & Seminar (3 credits)
This 30-hour practicum with additional online course content provides a culminating, clinical experience in which candidates apply theories and concepts learned in prior coursework in authentic teaching environments. Prerequisite: completion of all special education coursework. Prerequisites: SPE 4805 and SPE 4815 and SPE 4825 and SPE 4885 and SPE 4905 and SPE 4915 or SPE 550 or SPE 602 or SPE 603 or SPE 607 or SPE 606 or SPE 700

SPE 612 Inclusive Classroom Practices (3 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning, and programmatic organization of instruction for children with disabilities in inclusive environments. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students' needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; systems management necessary for effective instruction of children with disabilities; and promote an understanding of the underlying theories, issues and methods for managing classroom environments.
Restrictions: Enrollment is limited to Graduate level students.

SPE 612F FE: Teach Inclusive Environments (0 credits)
This course is a comprehensive study of theoretical issues and research-based diagnosis, instructional planning, and programmatic organization of instruction for children with disabilities in inclusive environments. Content will cover curriculum design, development of programs of differential instruction involving evidence-based interventions that meet students' needs based on formative assessment, developmental and educational information; integrated learning experiences; specialized adaptations and resources; practices and procedures validated for specific characteristics of learners and settings; prevention and intervention strategies from multiple theoretical approaches for individuals at-risk for academic or behavioral failure; systematic implementation of instructional variables; systems management necessary for effective instruction of children with disabilities; and promote an understanding of the underlying theories, issues and methods for managing classroom environments.
Restrictions: Enrollment is limited to Graduate level students.
SPE 615 Tching Inclsve Adol Envirmnts (3 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades seven through twelfth grades. Course study will include a focus on understanding how adolescent behaviors are influences by pedagogical practices and classroom environments. While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults.

SPE 616 Perspect on Gifted/Talented (3 credits)
The purpose of this course is to provide educators and education advocates with the historical and current perspectives in the field of gifted education and talent development. Course topics will include both theoretical foundations - related to theories, models, local and federal policy, and research - and practical considerations - such as identification, differentiation for academically talented students, advocacy, and collaboration with various stakeholders. Additionally, current issues in the field of gifted education and talent development (e.g. identification of traditionally underrepresented populations, service delivery models, etc) will be explored and students will be responsible for identifying relevant and reputable organizations and resources for meeting the needs of academically talented students.

SPE 620 Fund SE Prac for School Ldrs (3 credits)
This course is a critical study of the contemporary and controversial issues within the field of special education emphases will be placed on the role of the supervisor or administrator. Consideration will be given to the philosophical, psychological, and sociological basis of teacher education, including an analytical review of research-based curricula, programmatic innovations, policy issues and their effects, and ethical practices. Discussions will focus on evidence-based core concepts that contribute to effective program planning; investigation of cognitive, academic, behavioral, and psycho-social solutions and implications for those working with exceptional students; and future implications for the advancement of special education diagnostic and instructional services. Restrictions: Enrollment is limited to Graduate level students.

SPE 621 Law, Pol & Proced for SE Sup (3 credits)
This course is designed to provide an overview of the legal rights of students and their families in the field of special education, with particular focus on the supervisor's role in implementing and monitoring policy and procedures in districts' special education programs. Content covered includes an overview of laws and litigation and the current status of legislation dealing with special education. The American legal system, particularly in respect to special education, the constitutional and statutory provisions of federal and state law, and judicial decisions interpreting those laws are reviewed. This course will focus on the supervisor's role in addressing issues of identification, IEP development and implementation, equal protection, extended school year (and day), functional behavioral analysis, teacher assistants, least restrictive environments, transition, procedural due process, complaint resolution, and substantive due process doctrines to school practices affecting students with disabilities. Additionally, attention will be given to preparation of focus audits, data collection, basic compliance issues, communicating and collaborating with parents and maintaining active parental support groups. Also, case studies will be conducted that deal with issue, rule, analysis and conclusion (IRAC), as a tool to provide a framework for supervisors to rapidly increase their understanding of emerging, complex legal issues. Restrictions: Enrollment is limited to Graduate level students.
SPE 621F FE Law/Policy/Procr SPED Supvr (0 credits)

SPE 622 Admin & Supv Spec Ed Progs (3 credits)
The purpose of this course is to provide the student an opportunity for in-depth understanding of the supervisory and administrative duties for the role of Supervisor of Special Education. This course provides the Special Education Supervisor candidate with a specified professional knowledge-base included in the following aspects of leadership: decision-making, leadership theory, communication skills, human relations theory, administrative theory, policy analysis/evaluation, supervision/assessment practices. Prerequisite: SPE 4805
Restrictions: Enrollment is limited to Graduate level students.

SPE 622F FE SPED Admin & Supervisor (0 credits)

SPE 623 Advanced Fieldwork/Seminar (3 credits)
This is a combined seminar/internship experience. This fieldwork experience will provide the candidate with an opportunity for in-depth varied and continuous administrative experiences. The practicum will attempt to include a blend of all the administrative experiences possible to provide professional growth, maturity and stimulation. These experiences will enable the candidate to (a) apply the knowledge and skills acquired through his/her study and previous experience to actual problem and day-to-day administrative duties faced by a Supervisor of Special Education; (b) integrate the concepts and skills from different prior learning experiences and focus on individual situations; (c) become involved in the routine functions of schools/school districts and Intermediate Units. Course requirements are designed to meet Departmental and Commonwealth standards. SPE 623 is taken as a culminating course by all students seeking Supervisor of Special Education certification. The requirements of this course includes 180 clinical hours of fieldwork activities under the supervision of University faculty.
Restrictions: Enrollment is limited to Graduate level students.

SPE 623F FE Advanced Fieldwork/ Seminar (0 credits)

SPE 624F FE Adv Super & Curr Fieldwork/ (0 credits)

SPE 624 Admin & Supv Spec Ed Progs (3 credits)

SPE 625 Design & Tech Differentiated Ins (3 credits)

SPE 630 Incl Prac/Stud Teach PK-8 (3 credits)
The focus of this course is on the developing of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades K-8 as well as the development of proactive approaches to classroom and school environments. This will enable teachers to increase the amount of academic learning time in which to address the needs of all students in inclusive classrooms to increase achievement. In addition, the course study will include a focus on understanding how behaviors are influenced by pedagogical practices. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.
SPE 638 F FE Inclusive ClassPrac/ST K-8 (0 credits)
The focus of this course is on the development of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades K-8 as well as the development of proactive approaches to classroom and school environments. This will enable teachers to increase the amount of academic learning time in which to address the needs of all students in inclusive classrooms to increase achievement. In addition, the course study will include a focus on understanding how behaviors are influenced by pedagogical practices. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.

SPE 639 Incl Prac/Stud Teach 7-12 (3 credits)
The focus of this course is on the development of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades seven through twelfth grades. Course study will include a focus on understanding how adolescent behaviors are influenced by pedagogical practices and classroom environments. While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.
SPE 639F FE Inclusive Class Prac 7-12 (0 credits)
The focus of this course is on the development of skills dealing with effective inclusive classroom management and creating classroom climate conducive to student achievement. It provides comprehensive coverage of a variety of discipline models to aid candidates in building systems and conceptual models of total discipline based on their underlying theories; emphasizes activities promoting positive behavioral supports; increases pupil motivation; applies methods for establishing cooperative classroom routines, procedures, and practices; organizes the environment, including school wide, classroom, and individual supports; measures and reports progress. This course of study will focus on the unique needs of students in grades seven through twelfth grades. Course study will include a focus on understanding how adolescent behaviors are influenced by pedagogical practices and classroom environments. While general education curriculum is appropriate for the majority of students with disabilities, secondary learners who are at-risk for academic and behavioral failure, including those with disabilities, have specific learning and behavioral characteristics that can undermine progress through general education curriculum. Course content will include a careful analysis of the specific needs of intermediate and secondary aged learners, including: slower rates of acquiring information and skills, deficits in the ability to generalize learned skills to other settings or conditions, and a lack of ability to retain skills, all of which directly influence student behavior. Furthermore, course study will focus on the unique psychosocial problems of adolescents, social and interpersonal skill training priorities of young adults, classroom management and motivational strategies for adolescents, and validated learning strategies for adolescents and young adults. Student Teaching. Student teachers are expected to complete 140 hours (equal to four 35-hour weeks) of hands-on teaching/co-teaching. The student teaching experience will occur during the second half of the course (SPE 638 or SPE 639). Time in the classroom may be spread out over more than 4 weeks, but must equal 140 hours. The class may be in a public (urban or suburban), private, charter, segregated special education, or parochial school. The class needs to contain at least 10% of students who have Individual Educational Plans (IEPs). Groups of four or more students, as in a resource room, with IEPs are permitted as long as the same group is provided consistent attention by the student/intern teacher for the duration of the experience. Alternate placements will be accepted on a case-by-case basis. In all placements, student teaching supervisors visit the classrooms and collaborate with the cooperating or mentor teacher(s) in supervising and evaluating the student or intern teacher. Student teaching supervisors conduct two formal observations of the student teacher.

SPE 640 Special Ed Student Teaching (2 credits)

SPE 690 Managing Fin & Material Resour (3 credits)

SPE 700 SpecialEducation Law/Policy (3 credits)

This course is designed to provide an overview of the legal rights of students and their families in the field of special education. Students will explore the source, history, and current status of special education law. Content covered will include an overview of laws and litigation affecting special education. The American legal system, particularly in respect to special education, the constitutional and statutory provisions of federal and state law, and judicial decisions interpreting those laws are reviewed. This course relates equal protection, procedural due process, and substantive due process doctrines to school practices affecting students with disabilities. 

Restrictions: Enrollment is limited to Graduate level students.

SPE 701 Cog Proc: Resrch Brain Studies (3 credits)

This course provides an integrative survey of knowledge and research in the cognitive and neurological development of the young mind. The content is designed to connect cognition, neuroscience and educational practice with the critical periods of child development, including language development, visual systems, and psycho-social growth. Attention will be given to the basic structures of the brain and their corresponding dynamic functions, how neurons communicate with each other, and ways that networks of cells function in the vision, memory, and learning processes. The interaction and effects of learning and thinking and how the brain processes, consolidates and internalizes information will be explored. 

Restrictions: Enrollment is limited to Graduate level students.

SPE 702 Culturally Responsive Teaching (3 credits)

This course is designed to align instruction along with the assets and differential needs of diverse student populations through applying and incorporating multicultural perspectives into the teaching-learning process to maximize the academic, cognitive, personal, and social aspects of student learning. It will provide ways to design and deliver culturally responsive strategies to work with culturally and linguistically diverse students and empower their families in the teaching and learning process. The course focuses on addressing challenges to the reading achievement of culturally, linguistically, and economically diverse students with disabilities. Issues covered will include assessment and intervention, curricula development and social/affective skills related to family, community, values and culture of students from different cultural and ethnic groups.

Restrictions: Enrollment is limited to Graduate level students.

SPE 710 WRP: Intro Multisens Lang Inst (1 credit)

This online Wilson introductory course examines the definition of dyslexia and common characteristics, reading research and the five areas of reading in relation to students beyond grade two with persistent phonological coding deficits. Specifically studies the Wilson Reading System® (WRS), including student identification and placement, program implementation, progress monitoring, scheduling, and creating a successful classroom environment; principles of language structure; and how to teach language with direct, multisensory methods. Wilson Reading Certification course.

Restrictions: Enrollment is limited to Graduate level students.

SPE 711 WRP: Int Instr- NonRepsRdr 1-3 (3 credits)

This course presents in detail the multisensory structured language instruction that is required for teaching students beyond grade two with word-level deficits who are unresponsive to previous instruction. This online course provides practical application of reading research, with particular emphasis on phonological awareness, phonics and spelling at the beginning levels of decoding and encoding as well as expands upon these concepts with specific instruction in the closed syllable pattern. Provides specific procedures to teach the concepts presented in Wilson Reading System (WRS) Steps 1-3. Additional topics include accuracy and automaticity of word recognition, fluency with decodable and authentic text, vocabulary and listening/reading comprehension at beginning stages of reading. Wilson Reading Certification course. Prerequisite: SPE 710

Restrictions: Enrollment is limited to Graduate level students.
SPE 712 WRP: Int Instr- NonRepsRdr 4-6 (3 credits)
This is a continuation of the Wilson Steps 1-3 on-line course. Presents in
detail the multisensory structured language instruction that is required for
teaching students beyond grade two with word-level deficits who are
unresponsive to previous instruction. This online course provides
practical application of reading research, with particular emphasis on
phonological awareness, phonics and spelling at the beginning levels of
coding and encoding as well as expands upon these concepts with
specific instruction in the vowel-consonant-e, open, and consonant-le
syllable patterns. Provides specific procedures to teach the concepts
presented in Wilson Reading System® (WRS) Steps 4-6. Additional topics
include the ten critical points of the Wilson Reading System, dyslexia,
non-controlled text, and handwriting. Wilson Reading Certification course.
Prerequisite: SPE 710 and SPE 711
Restrictions: Enrollment is limited to Graduate level students.

SPE 713 WRP: Int Instr- NonRepsRdrPrac (3 credits)
This course, a supervised practicum, requires identifying and securing a
practicum student in grades 4 - 12 with significant word level deficits, selected
according to WRS practicum student selection criteria. Although not
required, a second practicum student is highly recommended. The
practicum entails successful delivery of a minimum of 60 Wilson Reading
System (WRS) lessons and teaching mastery through WRS Step 4.2. A
Wilson trainer observes the participant working with his/her student five
times during the practicum via videoconferencing. Must demonstrate
that the teaching plan is based on continuous assessment of the
student’s needs. *This course is completed over two semesters, generally
spanning one academic year. Prerequisite: SPE 710 and completion of
or concurrent enrollment in SPE 711/SPE 712. Please Note: Although
completion of SPE 710, SPE 711, SPE 712 and SPE 713 are required for
WRS Level I Certification, certification is not guaranteed and is dependent
upon successful fulfillment of all Wilson requirements.
Restrictions: Enrollment is limited to Graduate level students.

SPE 720 Intro ASD: Caus Diag & Advoc (3 credits)
This course will provide candidates with an introduction to Autism
Spectrum Disorders (ASD). With the increase in the number of individuals
being diagnosed with ASD, this course will examine the challenge ASD
presents to families, educators, students, related service providers,
advocates, and policy makers. Course content will include an overview of
ASD; family issues and challenges; ASD screening, diagnosis and
assessment; an overview of intervention and treatment approaches;
accessing appropriate supports and services; policy issues; advocacy
and the experience of individuals living with ASD. Autism Spectrum
Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 720F FE Intro to ASD (0 credits)
This course will provide candidates with an introduction to Autism
Spectrum Disorders (ASD). With the increase in the number of individuals
being diagnosed with ASD, this course will examine the challenge ASD
presents to families, educators, students, related service providers,
advocates, and policy makers. Course content will include an overview of
ASD; family issues and challenges; ASD screening, diagnosis and
assessment; an overview of intervention and treatment approaches;
accessing appropriate supports and services; policy issues; advocacy
and the experience of individuals living with ASD. Autism Spectrum
Disorder Specialist Endorsement course.

SPE 721 Aug & Alt Com & Soc Stratg (3 credits)
This course will focus on a wide range of current research and
evidence-based practices in the area of Augmentative and Alternative
Communication (AAC) as it is implemented to increase, improve, and
maintain functional communication skills of students with Autism
Spectrum Disorder (ASD). In addition, specific strategies and techniques
to address socialization skills for individuals with ASD as well as their
communication partners will be addressed. Case studies, discussions,
and activities will be utilized to personalize these strategies and
techniques. Autism Spectrum Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 721F FE Aug & Alt Com & Soc Stratg (0 credits)
This course will focus on a wide range of current research and
evidence-based practices in the area of Augmentative and Alternative
Communication (AAC) as it is implemented to increase, improve, and
maintain functional communication skills of students with Autism
Spectrum Disorder (ASD). In addition, specific strategies and techniques
to address socialization skills for individuals with ASD as well as their
communication partners will be addressed. Case studies, discussions,
and activities will be utilized to personalize these strategies and
techniques. Autism Spectrum Disorder Specialist Endorsement course.

SPE 722 Evid Based Prac: AI&I Method (3 credits)
This course will provide comprehensive coverage of the importance
of using evidence-based practice in assessment, instruction, and
implementation of interventions for individuals with Autism Spectrum
Disorder (ASD). Course content will include identifying the legal basis
and requirements for evidence-based practice; a review of how to locate
and evaluate evidence in the literature base; a review of the theoretical
basis of, and evaluation of the empirical evidence for screening and
assessments; a review of the theoretical basis of, and evaluation of
the empirical evidence for screening and assessments; the continuum
of interventions from traditional behavior to social-developmental-
pragmatic; comprehensive program approaches; and instructional
strategies in the classroom. Additional topics will include the use of
medical, dietary, and sensory interventions in the schools; pseudoscience
and fad interventions; and finding the middle ground between parents
and professionals in the decision-making process. Autism Spectrum
Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 722F FE Evid Based Prac AI&I Method (0 credits)
This course will provide comprehensive coverage of the importance
of using evidence-based practice in assessment, instruction, and
implementation of interventions for individuals with Autism Spectrum
Disorder (ASD). Course content will include identifying the legal basis
and requirements for evidence-based practice; a review of how to locate
and evaluate evidence in the literature base; a review of the theoretical
basis of, and evaluation of the empirical evidence for screening and
assessments; a review of the theoretical basis of, and evaluation of
the empirical evidence for screening and assessments; the continuum
of interventions from traditional behavior to social-developmental-
pragmatic; comprehensive program approaches; and instructional
strategies in the classroom. Additional topics will include the use of
medical, dietary, and sensory interventions in the schools; pseudoscience
and fad interventions; and finding the middle ground between parents
and professionals in the decision-making process. Autism Spectrum
Disorder Specialist Endorsement course.
SPE 723 Autism: Behv Manag Approaches (3 credits)
This course will examine and introduce the major therapies/educational interventions that have been developed to treat autism and related pervasive developmental disorders. Applied behavior analysis (ABA), an empirically-validated treatment for individuals with autism and related disabilities will be discussed in detail. In addition, other emerging treatments including Greenspan, Relationship Development Intervention, and the principles of Positive Behavioral Supports (PBS) in Universal Design for Learning (UDL) will be examined in relation to ABA. In addition, scientific criteria will be compared to pseudoscientific criteria for various interventions. This course is relevant for both novices and experienced practitioners in the field of autism treatment. Autism Spectrum Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 723F FE Aut: Behv Manag Approaches (0 credits)
This course will examine and introduce the major therapies/educational interventions that have been developed to treat autism and related pervasive developmental disorders. Applied behavior analysis (ABA), an empirically-validated treatment for individuals with autism and related disabilities will be discussed in detail. In addition, other emerging treatments including Greenspan, Relationship Development Intervention, and the principles of Positive Behavioral Supports (PBS) in Universal Design for Learning (UDL) will be examined in relation to ABA. In addition, scientific criteria will be compared to pseudoscientific criteria for various interventions. This course is relevant for both novices and experienced practitioners in the field of autism treatment. Autism Spectrum Disorder Specialist Endorsement course.
Restrictions: Enrollment is limited to Graduate level students.

SPE 726 American Sign Language I (3 credits)

SPE 730 Ed Found - Deaf & Hard of Hear (3 credits)
This course introduces basic concepts for the education of students who are deaf and hard of hearing. Topics covered will include the social construction of deafness and hearing loss; language acquisition and literacy development in children who are deaf and hard of hearing; educational philosophies and approaches; sign language systems in education; assistive technology including cochlear implants; placement options; supports for inclusive practices; and specially designed instruction, including adaptations for students who are deaf and hard of hearing and children with additional special needs.
Restrictions: Enrollment is limited to Graduate level students.

SPE 730F FE Foundations-Deaf Hard of He (0 credits)
This course introduces basic concepts for the education of students who are deaf and hard of hearing. Topics covered will include the social construction of deafness and hearing loss; language acquisition and literacy development in children who are deaf and hard of hearing; educational philosophies and approaches; sign language systems in education; assistive technology including cochlear implants; placement options; supports for inclusive practices; and specially designed instruction, including adaptations for students who are deaf and hard of hearing and children with additional special needs.

SPE 731 Lang, Lit & Comm Dev-Deaf & HH (3 credits)
This course will introduce students to the components of language, normal developmental sequences in children, and the impact of hearing loss upon language acquisition. Auditory and visual strategies for facilitating language acquisition among students who are deaf and hard of hearing will be included, as will protocols for integrating language instruction into academic content area instruction. Students will be introduced to the array of communication options available to families of children who are deaf and hard of hearing, early communication behaviors expressed by young children, and strategies for supporting families making communication decisions. The course will examine the components of literacy in conjunction with characteristics of scientifically-based reading research and principles of effective instruction. Students will examine reading programs created for students who are deaf and hard of hearing, create lesson plans, select websites and technology tools available online to support these lessons, practice using scoring rubrics, and develop personal plans for expanding their own communication skills over the course of the next year.
Restrictions: Enrollment is limited to Graduate level students.

SPE 731F FE Lang/Lit/Comm For DHH (0 credits)
This course will introduce students to the components of language, normal developmental sequences in children, and the impact of hearing loss upon language acquisition. Auditory and visual strategies for facilitating language acquisition among students who are deaf and hard of hearing will be included, as will protocols for integrating language instruction into academic content area instruction. Students will be introduced to the array of communication options available to families of children who are deaf and hard of hearing, early communication behaviors expressed by young children, and strategies for supporting families making communication decisions. The course will examine the components of literacy in conjunction with characteristics of scientifically-based reading research and principles of effective instruction. Students will examine reading programs created for students who are deaf and hard of hearing, create lesson plans, select websites and technology tools available online to support these lessons, practice using scoring rubrics, and develop personal plans for expanding their own communication skills over the course of the next year.

SPE 732 Curr, Inst & Lrn Env-Deaf & HH (3 credits)
This course will introduce students to the components of language, normal developmental sequences in children, and the impact of hearing loss upon language acquisition. Auditory and visual strategies for facilitating language acquisition among students who are deaf and hard of hearing will be included, as will protocols for integrating language instruction into academic content area instruction. Students will be introduced to the array of communication options available to families of children who are deaf and hard of hearing, early communication behaviors expressed by young children, and strategies for supporting families making communication decisions. The course will examine the components of literacy in conjunction with characteristics of scientifically-based reading research and principles of effective instruction. Students will examine reading programs created for students who are deaf and hard of hearing, create lesson plans, select websites and technology tools available online to support these lessons, practice using scoring rubrics, and develop personal plans for expanding their own communication skills over the course of the next year.
Restrictions: Enrollment is limited to Graduate level students.
SPE 732F FE Curric/Instruct/ DHH (0 credits)
SPE 733 List & Spk Skills - Deaf & HH (3 credits)
This course will provide information regarding the etiology and age of onset of hearing loss, anatomy and physiology of the hearing mechanism, degree and type of hearing loss, and interpretation of audiological results. The course will also offer information on auditory skill development, the utilization of various forms of amplification including hearing aids, cochlear implants, and FM systems, and the relationship of classroom acoustics to auditory access. Additionally, information in the area of spoken language development will be provided, including speech sound acquisition, development of vocabulary, syntax and pragmatics, and the relationship of listening and spoken language to literacy.
Restrictions: Enrollment is limited to Graduate level students.

SPE 733F FE Listen/Speak Skills DHH (0 credits)
This course will provide information regarding the etiology and age of onset of hearing loss, anatomy and physiology of the hearing mechanism, degree and type of hearing loss, and interpretation of audiological results. The course will also offer information on auditory skill development, the utilization of various forms of amplification including hearing aids, cochlear implants, and FM systems, and the relationship of classroom acoustics to auditory access. Additionally, information in the area of spoken language development will be provided, including speech sound acquisition, development of vocabulary, syntax and pragmatics, and the relationship of listening and spoken language to literacy.

SPE 734 Sign Comm in Instruct Settings (3 credits)
This course introduces and expands upon the use of a variety of sign languages and sign communication systems in instructional settings. Among the topics covered are the history and structure of American Sign Language (ASL), the nature and characteristics of artificial sign systems developed to represent English and hybrid systems such as those described as “contact signing.” The parameters and use of fingerspelling as an educational tool will also be included. Various philosophies and methodologies of incorporating sign communication in educational settings will be covered. Students will be exposed to the appropriate use of sign languages and sign systems in instructional settings and how they may be used to enhance learning by deaf and hard of hearing students.
Restrictions: Enrollment is limited to Graduate level students.

SPE 734F FE Sign Comm in Instr Setting (0 credits)
This course introduces and expands upon the use of a variety of sign languages and sign communication systems in instructional settings. Among the topics covered are the history and structure of American Sign Language (ASL), the nature and characteristics of artificial sign systems developed to represent English and hybrid systems such as those described as “contact signing.” The parameters and use of fingerspelling as an educational tool will also be included. Various philosophies and methodologies of incorporating sign communication in educational settings will be covered. Students will be exposed to the appropriate use of sign languages and sign systems in instructional settings and how they may be used to enhance learning by deaf and hard of hearing students.

SPE 739 Student Teach & Prof Seminar (6 credits)
This is an individually designed field experience under approved supervision (including seminar meetings). This experience is designed as the capstone professional course for students seeking the Hearing Impaired (N-12) certification (PA). It approximates full-time working/teaching experience for one full semester. At the conclusion of this experience, students must have demonstrated proficiencies in instructional management and specially designed instruction, student engagement and motivation, curriculum planning, learning theory, problem solving in an educational setting, using computers in the classroom, integrating reading, language, and literacy skills in all classrooms, the use of audiovisual materials in the classroom, communicating effectively with students and staff members who are deaf or hard of hearing in their preferred languages and modes of communication, the identification of instructional resources, assessment of student achievement, the development of IEP goals and objectives, management of amplification systems, assessment and development of listening and spoken language skills, consultation with regular classroom teachers, modification of the classroom acoustic environment, and development of student compensating strategies. The fieldwork course is typically the final course in a certification sequence. Includes a weekly online seminar session. Prerequisites: SPE 600, 608, 612, 730, 731, 732, 733, 734
Restrictions: Enrollment is limited to Graduate level students.

SPE 739F FE Student Teach & Prof Sem (0 credits)
SPE 799 Intern/Student Teaching (0 credits)
SPORT PRACTICE SCHEDULE (SPT)

SPT 9991 Sport Practice Schedule (0 credits)
THEOLOGY (ALSO SEE REL CRSES) (THE)

THE 150 First Year Seminar (3 credits)
Seminar subjects vary.
Attributes: First-Year Seminar, Undergraduate

THE 154 Faith, Justice & the Cath Trad (3 credits)
This course is designed to introduce students to the values that have shaped the Roman Catholic institution that they have chosen to attend and the ways in which these values are historically grounded in Roman Catholic Doctrine and shaped by its present articulation. It will therefore introduce students to central theological themes (such as the doctrines of Christ, the human person, sin/grace/salvation, and sacramentality) and moral claims (such as the preferential option for the poor, solidarity, and the common good). It is a course concerned with elemental questions of meaning and action and, as such, seeks to give students the skills they need not only to understand and analyze the texts and concepts under consideration but also to put these ideas and texts into dialogue with contemporary issues, their own lives, and the world. This course will also introduce students to the critical, academic study of religion and to the particular problems that such study raises (e.g., historicity, pluralism, faith versus scientific knowledge of the world). Through a critical examination of primary texts, students will investigate the historic grounds of faith and will learn how and why a concern for social, economic and political justice is rooted not only in the Christian Gospel but also in fundamental Christian doctrines and liturgical practices. This is an academic course that requires the student to engage the course material in a critical fashion so as to facilitate her/his mastery of it.
Attributes: Signature Core Course for all Students

THE 211 Hebrew Bible (3 credits)
This course will examine the biblical traditions and texts of the Hebrew Scriptures as products of particular historical and cultural communities, and as literary and theological documents. Religious Difference
Attributes: Religious Difference Course, Theology Level 2, Undergraduate

THE 221 Intro to the New Testament (3 credits)
This course will examine the biblical traditions and texts of the Christian Scriptures as products of particular historical and cultural communities, and as literary and theological documents.
Attributes: Theology Level 1, Undergraduate

THE 241 Intro to Systematic Theology (3 credits)
An investigation into the sources, norms, and key categories of Christian theology from its origins to the present. The ancient sources, contemporary issues, and related political, social and economic contexts will be studied using analytical, autobiographical, and narrative resources. Formerly Introduction to Christian Thought.
Attributes: Theology Level 1, Undergraduate

THE 261 Christian Social Ethics (3 credits)
This course provides a general overview of the forms and teachings of Christian ethics and how they impact the broader society. Specific social forms based upon human rights, theological virtues, conceptions of justice and the common good will be analyzed through teachings on war, the conquest, race, gender, class and the relationship between church and state. Particular attention will be given to the recent papal encyclicals. Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Health Care Ethics Course, Theology Level 1, Undergraduate

THE 270 Special Topics in Theology (3 credits)
Concentrated focus on a selected theme in theology at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes. Certifications differ by section.
Attributes: Theology Level 2, Undergraduate

THE 323 The Psalms (3 credits)
The most influential of all Old Testament books on Christian spirituality, the Psalms offer a special glimpse into the religious life of ancient Israel. Placed within their larger historical background, psalms of various types (laments, hymns, royal and wisdom psalms, etc.) will be studied for their literary and religious character. The question of the Psalter’s theology as a whole will be addressed as well. Cross listed with REL 323.
Attributes: Ancient Studies Course, Theology Level 3, Undergraduate

THE 324 NT&Chr Atts to Jews/Judaism (3 credits)
Although the New Testament conveys God’s love in Christ to billions of readers, over the centuries “erroneous and unjust interpretations…relative to the Jewish people” (Pope John Paul II, 1997) promoted hostility and violence. This course explores this recurring “anti-Jewish” dynamic with a special focus on contemporary Catholic teaching on Gospel interpretation and particularly problematic scriptural passages.
Attributes: Theology Level 3, Undergraduate

THE 325 Synoptic Gospels (3 credits)
A study of each Synoptic Gospel in its own unique historical and cultural context with special emphasis on the application of the most recent critical methodology. Students will grapple with the problems of historical distance by applying recent literary and historical methods to questions such as the identification of literary genre, narrative structure, agendas and target audience, rhetorical techniques, and tensions between author’s creativity and use of older sources. Cross listed with REL 325.
Attributes: Ancient Studies Course, Theology Level 3, Undergraduate

THE 326 Letters of Paul (3 credits)
The aim of this course is to examine the main characteristics of Paul’s faith as found in his epistles. The course will establish the broad argument of each of the letters, their historical setting, and their literary and rhetorical character, and demonstrate how these elements work together to express Paul’s gospel. Cross listed with REL 326. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Ancient Studies Course, Faith-Reason Course (New GEP)

THE 331 Early Christn Thought (3 credits)
An historical and theological investigation of the Christian community during the first four centuries. Among the topics to be considered are the relationship of the early church to classical culture, conflicts over issues of orthodoxy and heresy, and the links between historical context and early Christian doctrinal claims. The course will also investigate the development of the canon of Scripture, Christian leadership structures, the creeds, and early Christian traditions of martyrdom, monasticism, the sacraments and worship.
Attributes: Theology Level 3, Undergraduate
THE 333 Knowl & Love of God - Mid Ages (3 credits)
A study of major figures in the history of Latin Christian thought from 400 C.E. to 1500 C.E. with a concentration on theories concerning how we know God and what it means to love both God and neighbor. Emphasis is on the reading of primary sources, both scholastic and monastic, in translation. Course content will require that we consider who God is, who we are in relation to God, Jesus Christ’s role in both our knowledge of God and our capacity to love, and the relationship between faith and reason. Faith and Reason, Writing Intensive (when offered in that format).
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 334 Revolt, Reform, Reunion? (3 credits)
This course explores the religious, social, political, and cultural factors that precipitated the Protestant Reformation, with particular emphasis given to theological issues, such as justification, the role of scripture in the life of the church, church structure, the nature of ministry, and the sacraments. In addition, the course examines the progress that has been made in the 20th and 21st centuries to overcome the difference of the 16th century as a result of ecumenical dialogue between Roman Catholic Church, various Protestant churches, and the Anglican Communion. Writing Intensive (when offered in that format)
Attributes: Theology Level 3, Undergraduate

THE 335 Gendr & Christian Spirituality (3 credits)
An examination of some of the spiritual classics written by both the men and women of the Christian faith. Emphasis on reading and study of primary texts, largely medieval, with an eye to any discernible differences between men as spiritual authors and women as spiritual authors. Course will also examine the given perceptions of gender, spirituality and eroticism. Diversity and Writing Intensive (when offered in that format).
Attributes: Diversity Course (New GEP), Theology Level 3, Undergraduate

THE 339 Darwin, Dogma, and Ecology (3 credits)
In his 2015 encyclical, On Care for our Common Home (Laudato Si’), Pope Francis makes an urgent appeal to “every person living on this planet” for dialogue and action in the face of impending environmental collapse. Of course, the pope’s argument is grounded in Roman Catholic teaching; however, his critique is more philosophical than theological. It concerns not just the detrimental effect modern technology has had on the environment, but, more fundamentally, how modern science understands our knowledge of the world, and how in turn this understanding has adversely affected human action. The course will investigate the development within Catholicism of an evolutionary worldview that critically embraces neo-Darwinian science, but also distinguishes between religious faith-traditions and secular faith-traditions, suggesting how the former might prove more effective than the latter in addressing the ecological crisis. Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

THE 340 Atheism and the Case for God (3 credits)
"Over the past twenty years several best-selling authors have mounted a concerted attack on religion, advancing an arguent that is, purportedly, so fresh and compelling as to earn them the title, “The New Atheists.” But the more important and enduring cultural phenomenon affecting religious practice today is the secularism that has increasingly dominated modern civilization, religious belief and practice became significant options rather than cultural givens. This course deals with the question of whether secularism arose in reaction to religion, or as one of religion's greatest success stories. Much of the analysis will be historical: When and how did the secular movement arise? What notion of “God” did it reject? But the course will also address questions that are more philosophical and theological in nature: Has natural science disproven religion? And is secularism properly understood as necessarily concurrent with scientific advance? Faith and Reason."  
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate

THE 341 Jesus through the Centuries (3 credits)
An inquiry into Western Christianity’s understandings of the meaning and significance of Jesus Christ, including New Testament Christologies, the controversies of the 4th and 5th century councils, medieval atonement theories, post-Enlightenment problems and reformulations, and contemporary liberation Christologies. Students will be encouraged to develop their own Cristological position as an integral part of the course. Faith and Reason. Writing Intensive (when offered in that format).
Prerequisites: PHL 154 and (THE 154 or THE 221) and ENG 101
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 342 Does God Exist? (3 credits)
"Is there a God?" is the first and foremost question for many. In this course, students will explore a variety of theories regarding the question of whether or not a singular (monotheistic) God exists. The arguments that address this age-old question will be evaluated epistemologically, that is, through the lens of what kind of knowledge is being considered and how this knowledge is attained. In grappling with the topic, the course will also consider such related questions as the following: What is there a great nothingness and silence from the heavens? What is the meaning of life? Can we attain true happiness and fulfillment in this life? If God exists, why is there so much evil, violence and hunger in the world? Does life end at death or is it just changed? Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 343 Theology of Word and Sacrament (3 credits)
The course explores the Christian’s experience of God speaking and acting in the world and the Christian’s response of listening and praising God in the Christian community. The interrelationship of the words and actions of God and His people are examined.  
Attributes: Theology Level 3, Undergraduate

THE 344 Theology of the Church (3 credits)
The spirit of the Church as Christian community, the people of God who witness to the Christian mission between the resurrection of Christ and his Parousia. The foundations of the church in the Scriptures, modern interpretations of its composition, relationship to the world, and goals. Readings from Vatican II and contemporary theologians.  
Attributes: Theology Level 3, Undergraduate
THE 345 Evil as a Theological Problem (3 credits)
An examination of the profound challenge both to religious understandings of a meaningful and ordered existence and to theological claims regarding an omnipotent, beneficent deity rendered by the occurrence of evil and the suffering that accompanies it. The course will contextualize particular manifestations of evil and investigate how evil is identified, explained, challenged and interpreted through texts in theology and popular culture, with particular attention to its modern and contemporary manifestations. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 211)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 346 Salvation as Story & Belief (3 credits)
In this course, redemption is presented in its two simultaneous dimensions – the unique and salvific role of Christ in the plan of Salvation, as well as the role of individual persons in response to Christ. This two-fold nature of salvation results in the paradoxical formulation of redemption as both an accomplished event as well as an unfinished, developing relationship. The mysteries of the Incarnation will be investigated as the already, complete aspect of redemption, while an inquiry into human morality and moral values will address the developing, relational dimension of redemption. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 347 Death and Rebirth (3 credits)
The course deals with the systematic theological topic of eschatology, the study of the "last thing" (eschaton), which is God or the Reign of God; and the "last things" (eschatia), which are death, individual judgment, heaven, hell, purgatory, the Second Coming of Christ, the resurrection of the body, general judgment, and the consummation of all things in the perfection of the Kingdom of God. The course includes a survey of traditional, (especially biblical) approaches to eschatology, but its methodology will proceed largely "from below" as an exercise in "hope seeking understanding." Thus, the course will include an ecumenical perspective, and community service in the form of care for the dying (especially hospice). Students will be expected to make critical judgments concerning cultural practices relating to care of the dying, treatment of the dead, and the acceptance of death as an event of life.
Attributes: Health Care Ethics Course, Theology Level 3, Undergraduate

THE 348 Theology and Science (3 credits)
An exploration of the Galileo Case, Evolution and contemporary Big Bang Cosmology shows how the relationship between theology and science has developed to the present day. The scientific, methodological and theological issues will be critically evaluated for their significance today. Students will thus be provided with the basic tools for understanding and participating in the contemporary dialogue between science and theology. Faith and Reason.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 349 Theology of Disability (3 credits)
This course will examine the relationship between the way in which human disability is approached, on the one hand, from the perspective of the theological anthropology found in the Christian faith and, on the other hand, how it is approached by other contemporary discourses. More specifically, the course will examine the adequacy of certain contemporary approaches to disability and inquire into ways in which the Christian theological tradition can contribute to the project of rethinking and reimagining the nature of human disability as well as the nature of the human person in general. Diversity
Attributes: Diversity Course (New GEP), Faith Justice Course, Undergraduate

THE 350 The Beauty of God (3 credits)
This course explores how beauty serves as a way to God. In the history of all three major monotheistic faith traditions (Judaism, Christianity, and Islam), it was believed that God identified himself through various divine names. Focusing primarily, though not exclusively, on the Judeo-Christian tradition, this course examines beauty as one of these divine names. Consequently, the mode of theology that will ground this exploration is what has recently come to be called theological aesthetics. As a mode of theology, or a theo-logic, theological aesthetics draws from the principles of human reason as the art of thinking well (hence as a logic) and the event of divine revelation. Insofar as it unites theology with beauty, a theological aesthetic not only draws from the grammar, language, and thinking associated with beauty and art, but attempts to tie these more deeply to both human reason and divine revelation. Taking its cue from aesthetic experience, this course is divided into three basic parts: part 1 is the encounter with the object of interest, namely God's existence; part 2 examines the subjective aspects of the encounter, namely, the socio-cultural dimensions of how we come to understand God, "religion," faith, etc.; and part 3 examines the results inspired by the encounter, namely, the reception of divine beauty in revelation, music, responding to evil and human suffering, and mysticism. Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 351 Ignatian Spirit in Jesuit Trad (3 credits)
An examination of and reflection on the religious vision of Ignatius of Loyola and its embodiment in the life of the Society of Jesus, including a reading of the Spiritual Exercises. An overview of the major movements and influential persons in Jesuit history, a study of Jesuit spirituality and theology, and a consideration of the role of the Jesuits in broader church life.
Attributes: European Studies Course, Theology Level 3, Undergraduate

THE 352 Recent Trends in Roman Cathol (3 credits)
This course will deal with the documents of Vatican II, current understandings of the sacraments of the Catholic Church, the movements towards unification among the Christian churches, recent suggestions for the exercise of the papacy in the future, and the modern emphasis on social justice as part of Catholic life and practice.
Attributes: Theology Level 3, Undergraduate

THE 353 American Catholicism (3 credits)
This course deals with the diverse dynamics within the life of the Roman Catholic Church in the United States with a main focus on the 19th and 20th centuries. It will study the theological development of this indigenous Catholic tradition and situate it within its broader historical and cultural context.
Attributes: Theology Level 3, Undergraduate
THE 354 Beauty&Consciousness@TheMovies (3 credits)
This course is designed to enable students to examine the relationship between faith and reason in the context of beauty and consciousness. It will do this in two ways. First, with the goal to acquiring a relative mastery, it will offer students an opportunity to engage and explore certain themes pertaining to beauty and consciousness that are relevant to major figures within the Christian theological tradition. Second, it will enable students to demonstrate their relative mastery over these themes by bringing them into conversation with contemporary presentations of those themes as they appear in cinematic form. Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 355 Superhumans/Chinese Religions (3 credits)
This course examines four religions of China—Confucianism, Daoism, Chinese “folk” or “popular” religion, and Buddhism—in their historical and contemporary contexts. As its title suggests, the class is built around an exploration of the important role that superhumans such as demons, dragons, buddhas, and ghosts play in each of these traditions. Taking as our starting point the Ming period (1368-1644) popular novel Monkey, in this class we will examine a wide range of primary and secondary sources including paintings, websites, poetry, scripture, articles of clothing, miracle stories, newspapers, statuary, and ritual implements. By combining an historical overview of the topic with a hands-on exploration of the manner in which practices and beliefs related to superhumans remain relevant in China today, the class aims to deepen students’ appreciation of the ways religion continues to shape world events, national policy, daily life, and cultural production within and beyond the region.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Theology Level 3, Undergraduate

THE 356 Liberation & Pol Theologies (3 credits)
An inquiry into the critique and vision brought to theology by the perspective of the poor and oppressed in the 20th century via the paradigm known as liberation and political theology. An extensive examination of the context and methods of Latin American liberation theology followed by an examination of European political theology and African-American liberation theology. Other topics for consideration may include the work of Hispanic, Asian, African, and North American feminist liberation theologians. Faith and Reason, Writing Intensive (when offered in that format). Latin American Studies.
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith Justice Course, Faith-Reason Course (New GEP), Health Care Ethics Course, Theology Level 3, Undergraduate

THE 357 Feminist Theologies (3 credits)
An inquiry into the sources, contexts, methods, and symbols of Christian theology from the perspective of women in the process of human liberation. The roles of women in church and society, the history of the women’s movement in North America, and the experiences and theological perspectives offered by feminists of differing racial, ethnic and socio-economic background will be examined. Feminist reflections within other religious traditions may also be considered. Faith and Reason, Writing Intensive (when offered in that format).
Prerequisites: PHL 154 and (THE 154 or THE 221) and ENG 101
Attributes: Faith Justice Course, Faith-Reason Course (New GEP), Gender Studies Course, Theology Level 3, Undergraduate

THE 358 Faith, Justice & Jesuit Miss (3 credits)
This course will challenge students to reflect theologically on the historic grounds of the Christian faith and how and why, for many throughout Christian history, a concern for social, economic, and political justice is rooted in the Christian Gospel. It will also familiarize students with the historical, social, religious, economic, political, educational and cultural context of contemporary Bolivia; teach students how to stand outside their own epistemological system and more fully understand the reality of the cultural “other,” and assist students to integrate this knowledge into a complex understanding of the demands of faith and the work of justice within the specific context of contemporary Bolivia. The class will spend 10 days over Spring Break in Bolivia visiting the mission sites of the Jesuit organization Fe y Alegría. Ethics Intensive, Non-Western Studies. Latin American Studies.
Attributes: Ethics Intensive (New GEP), Latin American Studies Course, Non-Western Studies (GEP), Theology Level 3, Undergraduate

THE 359 Religion, Violence & Terrorism (3 credits)
Religiously motivated violence constitutes one of the most important socio-economic/political factors in the twenty-first century. This course will probe both the roots and the recent manifestations of violence and terrorism in the name of religious convictions and traditions. Through rigorous investigation of both primary and secondary literature, this course will provide a thorough presentation of the theological roots of religious violence, as well as its contemporary manifestations. The course will unfold in three parts: 1) the roots of religious violence: scripture, sacrifice and ancient conquest; 2) cosmic struggle: the violence of apocalypticism then and now and 3) contemporary manifestations: sexism and racism; recent religious wars and genocides; and terrorism. Globalization.
Attributes: Globalization Course (New GEP), Theology Level 3, Undergraduate

THE 360 Religious Vision in Film/Ficti (3 credits)
This course introduces fiction and films that are driven by religious sensibilities and theological insights. Issues rising throughout the course include deity, sin, forgiveness, grace, redemption, virtue, and community. Student expectations entail critical analysis and theological reflection, as well as a very basic grasp of the phenomenon of human religiosity.

THE 361 Catholic Social Teaching (3 credits)
The purpose of this course is to familiarize students with the tradition of Catholic social teaching with a view to developing skills for critical reading and integrated appropriation of these documents. Beginning with Rerum Novarum (1891), we will examine the most important papal, conciliar, and episcopal social teaching texts up to the present time, identifying foundational principles, tracing central theological, ethical, and ecclesial concerns, and locating each document in its proper historical context. Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Health Care Ethics Course, Theology Level 3, Undergraduate

THE 362 Fth & Jus: Scrupt & Soc Values (3 credits)
How and why a concern for social, economic, and political justice is rooted in and demanded by the Christian gospel, and what this has to say about the nature and mission of the church. An overview of the social teaching of the Catholic Church in the past century with emphasis on the thought of the most recent popes. Consideration of certain social justice issues: war and peace, crime and punishment, world hunger, racism, human rights, and the international economic order.
Attributes: Faith Justice Course, Health Care Ethics Course, Latin American Studies Course, Theology Level 3, Undergraduate
THE 363 Ignatius & Cty: Jesuit Urb Mis (3 credits)
This course reviews the theology and spirituality of Ignatius of Loyola and how his early followers in the Society of Jesus established a particular missiology. Study of the network of ministries created by the first generation of Jesuits in Rome will be the first part of the course with particular emphasis on the urban context. An examination of how that missiology has been used in and around the City of Philadelphia in the 18th, 19th and 20th centuries will also be included in the course.
Attributes: Theology Level 3, Undergraduate

THE 364 Pursuit of Love: Sexual Ethics (3 credits)
This course explores some basic questions: What is love, and what does it mean for Christians to try to live as God-like lovers in all that they do, and specifically in living as sexual beings? If love is considered a necessary context for genital involvement, what specific characteristics must this love have in order to render its genital expression morally acceptable? How do we distinguish morally appropriate genital activity from that which is not? These questions are addressed within the general theological framework of Christianity that recognizes human sexuality as a multi-faceted reality involving our bodies, minds and hearts. In dealing with the moral questions and arguments surrounding premarital sexual activity, contraception, same-sex genital acts, masturbation and abortion, how can we resolve the possible tension that may arise between the promptings of our personal conscience and the official moral teachings regarding sexuality that are put forth by the Catholic Church, other Christian churches and some major religions of the world? Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Health Care Ethics Course, Theology Level 3, Undergraduate

THE 365 Marriage Same Sex Union Divorc (3 credits)
The Judeo-Christian tradition regards marriage as a divinely instituted reality designed, not only to enhance the humanity of men and women and to establish a stable environment for the nurturing of children, but to serve also as a reminder and embodiment of God’s loving relationship with His people. This course lays bare the tension between the biblical and theological texts highlighting the sacred status of marriage and the many secular aspects of contemporary society that portray marriage as “just a piece of paper” or as little more than a legal fiction. This tension shapes discussions of the psychological, social and ethical dimensions of love, marriage, and sexuality. People who marry today do so in the face of numerous questions and challenges: the “hook-up” culture, accepted, even expected, cohabitation, the extended meaning of “family,” recognition of same-sex civil unions and/or marriages, undefined gender roles, and high divorce rates that are supported, perhaps even encouraged, largely by “no-fault” divorce laws. These issues are addressed, along with the ethical arguments surrounding various kinds of reproductive technology and family-planning methods. In addition, the course explains the Catholic Church’s laws regarding the “impediments” or obstacles to a valid marriage, and the granting of annulments, and delves, finally, into the social, ethical and theological controversies surrounding divorce and remarriage, with particular attention given to their effects on children. Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Theology Level 3, Undergraduate

THE 366 Christian Medical Ethics (3 credits)
With the technological inauguration of the age of new medicine we have at our disposal more means than norms for intervention in the life, health, and death processes of human existence. Even more crucial is the question: “Should we do everything that is within our capacity to do?” Consideration will be given to the contribution of Christian ethicists in their reflection on the issues involved in abortion, reproductive engineering (AIH, AID, IVF, cloning, etc.), care of the dying, euthanasia, medical experimentation, organ transplantation, and the rights of patients. Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Health Care Ethics Course, Latin American Studies Course, Theology Level 3, Undergraduate

THE 367 Suffering and Death (3 credits)
Dramatic advances in medical information and technology increase daily and these advances are being implemented almost immediately. As a result, people who have succumbed to their illnesses only a few years ago can now have their lives extended by being treated aggressively. This treatment does prolong the lives of many people, but in the process it also causes people to endure much pain and suffering. As a result many Christians are focusing on the age old question of “why do innocent openly have to suffer?” Various answers have been given to this question by society: Dr. Kevorkian’s “death machine,” Oregon’s “Death With Dignity Act,” direct abortion of defective fetuses, and even infanticide. It has been said that “only the suffering human person knows that he/she is suffering and wonders why; and he/she suffers in a humanly speaking still deeper way if he/she does not find a satisfactory answer.” This course will examine the meaning of personal suffering, as well as the Christian response to the suffering of others from biblical and systematic perspectives. Students will then apply these insights to two specific medical ethics issues—physician-assisted suicide and medical treatments for handicapped newborns.
Attributes: Theology Level 3, Undergraduate

THE 368 Just Hlth Care in Dev Nations (3 credits)
An investigation of adequate health care as a fundamental human right. The course will proceed from the premise that socially induced needs are a result of historical development of material and social conditions, coupled with a social consensus that some things are necessary for happiness, social life, or some other goal. It will consider the inability of many societies to supply adequate health care as an issue of basic personal dignity, a claim against society, and as a matter of justice. The course will examine the issue of just health care for all peoples from both public health and ethical perspectives. Ethics Intensive, Globalization.
Latin American Studies.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Globalization Course (New GEP), Health Care Ethics Course, Undergraduate

THE 370 Special Topics in Theology (3 credits)
Concentrated focus on a selected theme in theology or religion at an advanced level. Topic and content varies from semester to semester. Course may be taken twice for credit as the topic changes. Other certifications differ by section.
Attributes: Theology Level 3, Undergraduate
THE 371 Christianity and Media (3 credits)
This course offers an opportunity to explore the relationships between Christianity and the wide variety of modes of communication that we refer to as "media." In the course, students will engage in two basic tasks. First, students will engage in the descriptive task of identifying the current state of the media with respect to religion. How are religions and religious issues portrayed in various media? How do Christians understand and use media for their various purposes? Second, the class will engage in the normative task of judging the social and moral worth of the various modes of communication using the resources of the discipline of Christian social ethics. Does the current media landscape support human flourishing and the just society? If so, what should be done to ensure that this continues? If not, how might it be shaped so that it supports such development? Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Health Care Ethics Course, Theology Level 3, Undergraduate

THE 372 Technology Ethics (3 credits)
This course will engage in critical reflection on technology, its role in human lives, and its impact on society. The course will examine various theories of the nature technology. It will also investigate particular resources available within the discipline of Christian social ethics that are central to understanding and evaluation the moral worth of various technologies, such as common good, justice, human dignity, development, and solidarity. These conceptual tools will then be used to explore the ethical implications of technology will be the assessment of a variety of particular cases of both commonplace and emerging technologies (e.g., civil engineering, cellular telecommunications, social media, surveillance, digital divide, data security, product manufacturing and disposal, intellectual property, body modification, and the post-human movement). Ethics Intensive.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 373 Economic Ethics (3 credits)
This course will examine the historical, social and philosophical conditions that gave rise to economics as a distinct discipline. Both the theory and practice of economics will be subjected to an ethical analysis drawing upon biblical and theological sources, particularly emphasizing Catholic teaching. Different economic systems will be compared and different forms of economic life and teaching within the Christian church will be discussed. Ethics Intensive, Globalization.
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Globalization Course (New GEP), Theology Level 3, Undergraduate

THE 374 War and Peace (3 credits)
Throughout Christian tradition, theologians have argued for and against Christian participation in war. This course will examine these arguments through reading relevant biblical, theological, historical and philosophical materials. We may explore how the various arguments have been represented (or misrepresented) in popular culture through film. Ethics Intensive
Prerequisites: PHL 154
Attributes: Ethics Intensive (New GEP), Faith Justice Course, Theology Level 3, Undergraduate

THE 380 Interreligious Dialogue (3 credits)
This course will involve both study and immersion: study of the history and theology of dialogue chiefly but not exclusively in Catholic Christian circles; immersion by writing and by regular involvement with local temples, mosques, synagogues, meditation centers, etc. Lecture with discussion and meditation. Reflection and research papers, focusing on one’s own interior dialogue as well as exterior dialogue. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

THE 381 One True Religion? (3 credits)
This course examines Christian responses to two important questions: Can the world’s many religions, which have different beliefs and different practices, all be true, or must only be true? If, as Christianity has claimed throughout its history, salvation is possible only through the mediation of Jesus the Christ, does this mean that anyone who is not Christian is not “saved,” or is consigned to hell? Among the topics explored: classical and contemporary theories of truth; the relationship of truth and salvation; Christian theories of exclusivism, inclusivism, pluralism, and particularism. Faith and Reason
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 382 Religion, Society and God (3 credits)
This course is an inquiry into the theological and philosophical nature of religion. What is the origin and development of religious traditions? Are there characteristics which are universal and how does theology and philosophy view them? The course will look at diverse modes of religious experience and conceptions of God, human existence and community. The philosophical and theological perspectives on the meaning of belief, symbolism and ritual in the spiritual quest for the transcendent. Faith and Reason, Writing Intensive (when offered in that format)
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Undergraduate, Writing Intensive Course- GEP

THE 384 Jews/Chr: Theologies Compared (3 credits)
The course studies fundamental religious questions as understood from various Jewish and Christian perspectives. Christian and Jewish students will gain an understanding of the other religious community while also deepening their understanding of their own. Other students will encounter the two traditions through a comparative lens. Topics to be discussed include the experience of God; the Bible; how Christians and Jews understand their relationship to God and the world; worship and prayer; and the destiny of the created universe. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

THE 385 Jewish Jesus as Savior (3 credits)
In the wake of the groundbreaking conciliar declaration, Nostra Aetate, the Catholic Church now authoritatively teaches that “Jesus was an always remained a Jew,” and that the Jewish people remain in an eternal covenant with Gold. These teachings challenge Christians to creatively re-imagine Jesus’ Jewish life and also how they think about Christ as the Savior of all humanity. This course considers relevant New Testament texts, research into the Jewishness of Jesus, the development of the Church’s Christological tradition, the rise and demise of anti-Jewish theologies, and new theological approaches being proposed today. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate
THE 387 Jews&Chr: Entwined Histories (3 credits)
Why has the relationship between Christians and Jews been frequently hostile? How have the two communities influenced each other, for good and for ill? Is there a relationship between the Nazi genocide and historical church teaching? Has there been improvement in the two traditions’ relationship in recent decades? What are today’s pressing challenges? This course will examine all these questions. Diversity, Religious Difference.
Attributes: Diversity Course (New GEP), Religious Difference Course, Theology Level 3, Undergraduate

THE 388 Jews&Chr: Bible Interpretation (3 credits)
Although Jews and Christians share many of the same scriptural books, their respective collections are differently organized and named. Christians refer to their collection as the "Old Testament," while Jews call their texts the "Tanakh" (an acronym for the Hebrew words for Teaching, Prophets, and Writings). Despite, or because of this commonality, Christians and Jews have often battled over these scriptures’ meanings. This course explores the ways that Jews and Christians have interpreted key texts, separately and together, over two millennia of learning from and disputing with each other. It also examines why the Bible has been a source of conflict between the two groups, with a focus on certain key passages, and why that is currently changing – as evidenced in recent official Catholic instructions. Religious Difference.
Attributes: Religious Difference Course, Theology Level 3, Undergraduate

THE 389 Abrahamic Peoples I (3 credits)
The three monotheistic religions all originated in the Middle East. In their origins and spread to other parts of the world, their interactions formed a complex tapestry of theologies, rituals, texts and histories. This two-semester course surveys the origins, practices, beliefs, and interactions among the Muslim, Christians, and Jewish peoples. Both semesters are taught by a Jewish, a Christian, and a Muslim professor, all three of whom will be present for each class session. Fall semester, the class will explore the early beginnings of all three traditions up to the year 1492. Spring semester brings their stories from 1492 to the present. Certain overarching themes, topics, or questions will be considered in each era to illustrate the interlacing similarities and differences among the three communities in the past, in today’s world, and with a view to future possibilities. Offered over two consecutive semesters for six credits, although students may choose to take only Fall or only Spring semester for 3 credits. Religious Difference.
Attributes: Religious Difference Course

THE 390 The Abrahamic Peoples II (3 credits)
The three monotheistic religions all originated in the Middle East. In their origins and spread to other parts of the world, their interactions formed a complex tapestry of theologies, rituals, texts, and histories. This two-semester course surveys the origins, practices, beliefs, and interactions among the Muslim, Christian, and Jewish peoples. Both semesters are taught by a Jewish, a Christian, and a Muslim professor, all three of whom will be present for each class session. Fall semester, the class will explore the early beginnings of all three traditions up to the year 1492. Spring semester brings their stories from 1492 to the present. Certain overarching themes, topics, or questions will be considered in each era to illustrate the interlacing similarities and differences among the three communities in the past, in today’s world, and with a view to future possibilities. Offered over two consecutive semesters for six credits, although students may choose to take only Fall or only Spring semester for 3 credits. L3, Religious Difference.
Attributes: Religious Difference Course, Undergraduate

THE 392 Directed Readings in Theology (3 credits)
A study of significant themes or issues in Theology or Religious Studies under the direction of faculty in the department. Frequent consultations and written reports are required. Prior written permission of the instructor and approval from the chair is required. Normally this course is restricted to theology majors and minors. Does not fulfill the Theology/Religious studies GEP.
Attributes: Theology Level 3, Undergraduate

THE 493 Ind Research in Theology (3 credits)
Independent research and writing under the direction of faculty in the department. Prior written permission of the instructor and approval from the chair are required. Course may be taken twice for credit as the topic of research changes. This course is restricted to senior theology majors and minors. Does not fulfill the Theology/Religious studies GEP.
Attributes: Theology Level 3, Undergraduate

THE 494 Ind Research in Theology (3 credits)
Independent research and writing under the direction of faculty in the department. Prior written permission of the instructor and approval from the chair are required. Course may be taken twice for credit as the topic of research changes. This course is restricted to senior theology majors and minors. Does not fulfill the Theology/Religious studies GEP.
Attributes: Theology Level 3, Undergraduate

THE 495 Theor & Meth in Study of Relg (3 credits)
A survey of a wide array of theories and methods employed in the modern study of religion, such as psychological, sociological, anthropological, phenomenological, feminist, socio-biological, and other approaches. Both classic and recent theoretical models will be discussed, with special interest in current methodological developments in the academic study of religion. Emphasis will be placed on direct engagement with the writings of the major theorists themselves. Open to junior and senior theology majors and minors and other junior and senior students by permission of the Chair. Does not fulfill the Theology/Religious Studies GEP. Writing intensive (when offered in that format).
Prerequisites: PHL 154 and (THE 154 or THE 221)
Attributes: Faith-Reason Course (New GEP), Theology Level 3, Undergraduate

THE 521 Gospels and Discipleship (3 credits)
This course is an exploration of the Gospels of Mark, Matthew, Luke, and John. Using the framework described in the Pontifical Biblical Commission's "Instruction on the Historical Truth of the Gospels," each Gospel will be examined in turn in order to discover each evangelist's unique understanding of the meaning of Jesus, the duties of his followers, and the nature of Jesus' historical ministry. While coming to appreciate the unique insights of each writer, students will bring the perspectives of their four narratives into dialogue with our twenty-first century context.
Restrictions: Enrollment is limited to students with a major in Theology and Society. Enrollment is limited to Graduate level students.
THE 583 Islam & Christian-Muslim Relat (3 credits)
Globally, Christianity and Islam have the greatest number of adherents. This course examines the theological, historical, and current contexts in which Christianity and Islam encounter each other. Students will explore: 1) the emergence of Islam in seventh century Arabia, its major sacred texts, its key beliefs and practices, and Islamic law, theology and mysticism; 2) the distinctive interactions between Islam and Eastern and Western Christianity, including peaceful coexistence, political confrontation, and theological discussions, 3) modern interactions, such as common challenges (skepticism, secularization of public sphere, interpreting sacred texts for a modern age, relation between religion and science) and sources of tension (colonialism, terrorism, nationalism, and media caricatures). The course will also look at actual and potential avenues for reconciliation and cooperation for the sake of God and for the common good of the common humanity.

Restrictions: Enrollment is limited to Graduate level students.

THE 694 Integrative Concluding Project (3 credits)
THE 694 Integrative Concluding Project (3 Credits) As one of their elective courses and following the successful completion of 30 credits (10 courses), students may prepare with a faculty advisor and a local mentor a 40-page research paper that brings a real world experience related to their career or ministerial activity or goal into interaction with theological reflection. Three credits are earned upon completion of the paper.
UNIVERSITY GRAD SCIENCE RSRCH (UNV)

UNV 793 Graduate Science Research (6 credits)
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- **John G. Berberian** (1973) B.S., 1963, University of Massachusetts; Ph.D., 1968, Brown University Professor Emeritus of Chemistry

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