

Degree Requirements: 40 courses are required for graduation. These 40 courses are comprised of: A) GEP Signature Core, B) GEP Variable courses, C) GEP Integrative Learning Courses, D) Major Requirements, E) free electives, and F) Overlays.

A. GEP Signature Core Courses	Semester
All non-transfer students must take these 6	completed
Courses at SJU.	
PHL 154 Moral Foundations	
THE 154 Faith, Justice & the Catholic Trad	
ENG 102 Texts and Contexts (pre-req: ENG 101)	
HIS 154 Forging the Modern World	
First Year Seminar	
Faith and Reason Course (pre-reqs: THE 154 and PHL	
154). See page 3 for additional information on this	
requirement.	

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B. GEP Variable Course	Course(s) required/taken	Semester		
(Maximum 9 courses)	Please note students may earn AP credit and/or use transfer		Completed	
	credits to meet these requirements			
Fine and Performing Arts or Literature	One course			
Mathematics (Beauty)	MAT 161 (Calculus I)			
Natural Science	CHM 120 General Chemistry I (or CHM 121 Gen Chem Honors) and CHM 120L General Chemistry Lab I			
Non-native Language	1-2 courses at the level in which the student is placed. Possible sequence options include: 101 102 (2 courses) 102 201 (2 courses) 201 202 (2 courses) 202 301 (2 courses) 301 (1 course) AP Score of 4 – awarded credit for 202 and required to complete one additional course at SJU (typically 301 or 303) AP score of 5 - awarded credit for 2 courses - requirement is fulfilled. No additional courses required at SJU.	Course 1	Course 2	
Social/Behavioral Science	One course			
Philosophy (Phil. Anthropology)	One course			
Theology (Religious Difference)	One course. The course used to satisfy this requirement cannot be used to satisfy and the diversity/globalization/non-Western overlay			
Writing	ENG 101 Craft of Language - May also be satisfied by earning a 4 or a 5 on the English Literature or Language AP test.			

C. GEP Integrative Learning Courses for Chemistry (3 courses)		
	Completed	
1. MAT 162 Calculus II		
2. PHY 105/105L University Physics I/Lab I		
3. PHY 106/106L – University Physics II /Lab II		

D. Major Requirements					
Cour	Course Semester complete				
1.	1. BIO 101/101L Biology I: Cells and Cells Lab				
2.					
3.	<u> </u>				
	Chemistr				
4.	CHM 21	0/210L – 0	Organic Chemistry I and Organic Chemistry Lab I		
5.	CHM 21	5/215L – C	Organic Chemistry II and Organic Chemistry Lab II		
6.	CHM 31	0– Physica	al Chemistry I		
	CHM 31	0L Physica	al Chemistry Lab		
7.	CHM 31:	5 – Physic	al Chemistry II		
8.	CHM 33	0/330L – I	nstrumental Analysis and Instrumental Analysis Lab		
9.	CHM 34	0/340L – H	Biochemistry and Biochemistry Lab		
10.	CHM 35	0/350L – I	norganic Chemistry and Inorganic Chemistry Lab		
11.	CHM 48	0 Advance	ed Biochemistry: Inorganic Biochemistry		
In-Dep	oth Course	e Require	ments		
_	Two In-I	Depth Chei	mistry courses (see list below)		
	or	_			
	One In-D	Pepth Chen	nistry course and Senior Research I-II		
	or				
	One In-D	Oepth Chen	nistry course and one Math/Natural Science elective (see list below, this		
	option must be approved by the Chemistry Chair in advance)				
			y Courses:		
	CHM	400	Chemistry of the Earth		
	CHM	410	Biophysical Chemistry		
	CHM	420	Environmental Chemistry		
	CHM	430	Mechanisms in Organic Chemistry		
	CHM	440	Organometallic Chemistry		
	CHM	460	Aqueous Chemistry		
	CHM	490	Spectroscopy		
			Science Electives:		
	MAT	213	Calculus III		
	MAT	225	Fundamental Ideas of Mathematics		
	MAT	231	The Mathematics of Music		
	MAT	232	Chaos, Fractals, and Dynamical Systems		
	MAT	233	History of Mathematics		
	MAT	334	Combinatorics and Graph Theory		
	MAT	336	Logic and Foundations		
	PHY	251	Modern Physics I		
	PHY	253			
			Survey of Nanotechnology		
	PHY	255	Linear Systems in Physics		
	PHY	257	Mathematical Methods in Physics		
	PHY	261	Electronics I		
	PHY	301	Classical Mechanics		



E. Free Electives (Minimum 9 courses) Note that the number of free electives may vary depending on AP credits earned and number of courses required for the non-native language requirement.				
Course	Semester	Course	Semester	
	Completed		Completed	
1.		6.		
2.		7.		
3.		8.		
4.		9.		
5.				

1	F. Overlays These overlays may be fulfilled by a GEP variable course, major course or free elective that is certified to meet the requirement. To determine which courses have been certified to fulfill these overlays, please use the "Attribute Type" search option in the "Look up classes" search page on My SJU. See below for an additional note on these requirements.	Semester Completed
	1. Writing-Intensive (pre-req: ENG 101) (CHM 350L satisfies this requirement)	
2	2. Ethics-Intensive (pre-req: PHL 154)	
1	3. Diversity/Globalization/non-Western - Please note that the course used to fulfill the Religious Difference course requirement cannot be used to also fulfill the Diversity, Non-Western, or Globalization overlay.	

Note regarding Three Overlays and the Faith & Reason Requirement: As noted above, in addition to the 40 courses outlined, students must complete: (1) one course certified in diversity, globalization, or non-Western studies, (2) one ethics-intensive course, and (3) one writing-intensive course. An elective, major course, select GEP courses, a minor course, or an elective may be used to fulfill these overlays. Below are specific guidelines for each class with regard to overlay requirements and the Faith & Reason signature core course:

Class of 2014:

Of the four GEP requirements, Faith & Reason and the three overlay requirements, students in the class of 2014 need to satisfy two of the four requirements With respect to these four components of the GEP, this means that students in the class of 2014 are required to complete (1) a Faith and Reason course and one overlay requirement OR (2) two overlay requirements.

Class of 2015:

Of the four GEP requirements, Faith & Reason and the three overlay requirements, students in the class of 2015 are required to complete three of the four. Students in the class of 2015 are required to complete (1) a Faith and Reason course and two overlay requirements OR (2) all three overlay requirements.

Class of 2016:

Students in the Class of 2016 must complete the GEP Faith & Reason course requirement and two of the three overlays.

Class of 2017

Students in the Class of 2017 are required to complete all four GEP requirements, Faith & Reason and the three overlays.



FIRST-YEAR	Fall	Spring
	• CHM 120, 120L (or Honors CHM 121)	CHM 125, 125L (or Honors CHM 126)
	• BIO 101/101L	• BIO 102/102L
	• MAT 161	• MAT 162 (ILC)
	Non-Native Language I	Non-Native Language II
	First-Year Seminar	• ENG 101
SOPHOMORE	Fall	Spring
	• CHM 210, 210L	CHM 215, 215L
	• PHY 105, 105L (ILC)	• PHY 106, 106L (ILC)
	• PHL 154	History 154
	Social/Behavioral Science	• THE 154
	• ENG 102	Elective (or overlay)
JUNIOR	Fall	Spring
	• CHM 310, 310L	• CHM 315
	• CHM 340, 340L	CHM 330, 330 L
	Art Lit	PHL Anthropology
	THE (Religious Difference)	Elective (or overlay)
	Elective (or overlay)	Elective
SENIOR	Fall	Spring
	• CHM 350, 350L	In-Depth CHM Requirement (1 of 2 courses)
	• In-Depth CHM Requirement (1 of 2 courses)	Elective
	• CHM 480??	Elective
	Faith & Reason	Elective
	Elective	Elective

CHM 390 Seminar. In addition to the courses listed above, the CHM 390 is required each semester for juniors and seniors. This is a non-credit course.