Behavioral Neuroscience Minor Requirements

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Requirements for the Minor
Students complete the Behavioral Neurosciences with six courses: 3 core courses and 3 electives.

Core Courses
The following 3 core courses are required:
- PSY 205 (pre-reqs: PSY 201 or BIO 101) or BIO 412 (pre-reqs: BIO 101, 102, and 201)
- PSY 206 (pre-reqs: PSY 205 or BIO 412)
- PSY 207 (pre-reqs: PSY 205 or BIO 412)

Elective Courses
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 outside of their own major.

Approved courses currently offered by the Departments of Biology, Chemistry, Computer Science, Education/Special Education, Interdisciplinary Health Services, Philosophy, Physics, and Psychology are listed below.

Biology
101/101L Cell Biology
401 Animal Behavior
402 Advanced Cell Biology
405 Biochemistry
411 Molecular Genetics
412 Neurobiology
417 Systemic Physiology

Chemistry
210/210L Organic Chemistry I + Lab
215/215L Organic Chemistry II + Lab
340 Biochemistry
430 Mechanisms in Organic Chemistry
480 Inorganic Biochemistry
**Computer Science**
121 Computer Science II
201 Data Structures
202 Computer Architecture
261 Principles of Programming Languages
342 Computer Vision
362 Intro to Artificial Intelligence

**Education/Special Education**
SPE 160 Introduction to Special Education
SPE 319 Assessment: Identification and Progress Monitoring
SPE 339 Educating Students with Low Incidence Disabilities

**Interdisciplinary Health Services**
110 Psychological Aspects of Health, Illness & Disability
253 Nutrition: Health and Disease
263 Theories of Addiction & Addictive Behavior
465 Introduction to Autism Spectrum Disorders
458 Epidemiology

**Philosophy**
322 Philosophy of Science
473 Science, Mind and Philosophy

**Physics**
101/101L General Physics I + Lab
105/105L University Physics I + Lab
110 Physics: Concepts and Applications
253 Survey of Nanotechnology
261 Electronics I
419 Biophysics
421 Physics of Fluids

**Psychology**
201 Biological Basis of Behavior
210 Research Methods
220 Sensation and Perception
221 Animal Learning and Memory
222 Neuropsychology
224 Psychopharmacology
225 Comparative Animal Behavior
226 Psychology of Emotion

Students may petition the Behavioral Neurosciences Advisory Board to receive credit for courses not listed above. Approval is based on the following:
• 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.
• The student will typically be required to write a research paper or other substantive project, the focus of which is a topic within the broad discipline of behavioral neuroscience, as part of his/her coursework.