



## Behavioral Neuroscience Minor Requirements

### Program Director Contact Information:

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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.