

NEUROSCIENCE MINOR

The interdisciplinary nature of neuroscience requires familiarity with components of biology and psychology among other disciplines. A minor in neuroscience will provide an understanding of how different components of the nervous system work together to coordinate physiological, physical, and cognitive functions. Students will gain an appreciation of this complex system and how changes in regulation can impact thoughts and actions.

Requirements

Students complete the Neuroscience minor with six courses: two required courses and four electives. For the elective courses, no more than two of the four may be selected from the same academic department, including cross-listed 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 other than their own major. No more than two of the four elective courses can be offered by the same department (including cross-listed courses).

With permission of the Neuroscience Program Director, students can count one semester of appropriate research toward the minor (as an elective)

Students may request to receive credit for courses not listed above from the Neuroscience Program Director. The determination of the appropriateness of courses for inclusion in the minor will be made 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.

Code	Title	Hours
Required Courses		6
NSC 205 or PSY 205	Introduction to Neuroscience Neuroscience Foundations	
NSC 206 or PSY 206	Intro. to Neuroscience II Behavioral Neuroscience	
Neuroscience Elective (select one)		3
NSC 340	Intro: Neuropsychopharmacology	
NSC 424 or NSC 422	Developmental Cognitive Neuros Neurodevelopment Disorders	
NSC 425	Biophysics of the Brain	
NSC 428	Neuropsychology	
NSC 432	Genes and Brains	
NSC 455	Molec Basis Neuro Disorders	
NSC 460	Neurobiology	
NSC 470	Special Topics in Neuroscience	
Three elective courses from at least two different disciplines (e.g., BIO, CHM, CSC, LIN, MAT, PHL, PHY, PSY, PHT)		9

BIO 401	Animal Behavior
BIO 402	Advanced Cell Biology
BIO 411	Molecular Genetics
BIO 412	Neurobiology
or NSC 460	Neurobiology
or BIO 460	Neurobiology
BIO 430	Neurological Disorders
BIO 435	Neuropsychology
or NSC 428	Neuropsychology
or PSY 222	Neuropsychology
CHM 340	Biochemistry
or CHM 341	Molecular Structure Biochemist
or CHM 346	Biochemistry
CSC 115	Intro to Computer Science
or CSC 120	Computer Science I
CSC 116	Comp'l Thinking & Data Sci
CSC 121	Computer Science II
CSC 132	Artificial Intellig for All
or CSC 362	Artificial Intelligence
CSC 201	Data Structures
CSC 202	Computer Architecture
CSC 342	Computer Vision
PHL 286	Philosophy of Mental Illness
PHL 322	Philosophy of Science
PHL 473	Philosophy of Mind
PHY 253	Survey of Nanotechnology
PHY 332	Intro. to Network Science
PHY 419	Biophysics
PSY 200	Personality Psychology
PSY 201	Biological Bases of Behavior
PSY 207	Cognitive Neuroscience
PSY 220	Sensation and Perception
PSY 221	Animal Learning and Memory
PSY 222	Neuropsychology
or NSC 428	Neuropsychology
or BIO 435	Neuropsychology
PSY 223	Health Psychology
PSY 224	Drugs, the Brain, & Behavior
PSY 225	Comparative Animal Behavior
PSY 226	Psychology of Emotion
PSY 227	Cognitive Psychology
PSY 228	Science of Creativity
PSY 229	Psycholinguistics
or LIN 318	Psycholinguistics
PSY 232	Adv. Psychological Disorders
PHT 320	Techniques in Pharmacol & Tox
PHT 340	Intro Neuropsychopharmacology
or NSC 340	Intro: Neuropsychopharmacology
PHT 440	Drug Disc Neurodegenerative
Total Hours	18