Minor - Neuroscience

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Description

The minor in neuroscience is an interdisciplinary course of study that will provide students an understanding of the neural underpinnings of behavior. Students will be encouraged to take basic and advanced courses in pure and applied neuroscience from several departments. Students from many different majors will find the scope of courses addressing brain and behavior enlightening and practical for their future careers. They will come to understand that neuroscience spans levels from the molecular to the psychological in both humans and other animals and learn how to apply theory to experimental or observational studies. There is no true dichotomy between the brain and the mind.

Course Requirements

The minor in neuroscience requires 18-22 hours, including Psy 319, Bisc 327, and four courses at the 300 level or above, of which at least one course must be a formal laboratory course or director-approved independent laboratory course (3 credit hours minimum) and at least one course must be at the 500 level. At least six hours must be outside of the student's major. Approved laboratory courses for the minor and other approved courses are listed below. Courses may not satisfy requirements for both the student's major and the neuroscience minor.

Approved Neuroscience Laboratory Courses Bisc 330. Introductory Physiology Bisc 427. Methods in Comparative Neuroscience Bisc 512. Animal Behavior Bisc 518. Microtechnique Neu 491. Directed Study in Neuroscience Psy 390. Lab in Psy: Behavioral Neuroscience

Approved Neuroscience Courses Bisc 331. Comparative Anatomy of Vertebrates Bisc 529. Endocrinology Bisc 530 Hormones and Behavior Bisc 533. Advanced Neuroscience Bisc 541. Cell Biology of Neurodegenerative Disorders Bisc 543. Functional Neuroanatomy CSD 505. Neurophysiology of Communication CSD 526. Neurogenic Disorders of Language ES 512. Foundations of Biomechanics ES 514. Applied Electromyography Psy 309. Learning and Behavior Psy 322. Drugs and Behavior Psy 326. Sensation and Perception Psy 505. Conditioning and Learning Psy 511. Neural Basis of Learning and Memory Psy 531. Sensation and Perception