

# NEUROSCIENCE

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Department Website ([https://sc.edu/study/colleges\\_schools/artsandsciences/academics/interdisciplinary\\_programs/neuroscience/](https://sc.edu/study/colleges_schools/artsandsciences/academics/interdisciplinary_programs/neuroscience/))

The Neuroscience program offers both a major and a minor that provide a strong background in the multiple scientific disciplines used to study the nervous system. The interdisciplinary coursework and research experience encourage critical thinking and problem solving, promote understanding of modern neuroscience and prepare students for entry into a variety of careers and graduate programs.

Through the Neuroscience program, students develop a strong background in the workings of the nervous system, from the cellular and molecular level to the social and behavioral level. Both the major and minor are ideal for students who intend to pursue graduate studies in neuroscience, animal behavior, psychology or medicine.

## Programs

- **Neuroscience, B.S.**
- **Neuroscience Minor**

## Courses

### **NSCI 300 - Introduction to Neuroscience (3 Credits)**

Function of the brain including basic neuroanatomy, neurophysiology and neurochemistry, neural systems, and psychopharmacology as it relates to behavior.

**Cross-listed course:** PSYC 455

### **NSCI 498 - Individual Research in Neuroscience (1-6 Credits)**

Planning and execution of supervised research in neuroscience.

### **NSCI 499 - Senior Thesis (3 Credits)**

Directed research resulting in a written thesis. Completion of a minimum of 60 credit hours, including required Major courses (not incl. electives and concentration); minimum Major GPA of 3.50 and overall GPA of 3.50; consent of instructor; acceptance into BA with Distinction.

### **NSCI 560 - Advanced Topics in Neuroscience (3 Credits)**

Intensive study of topics selected from the field of neuroscience. Course may be repeated for credit under different topics.

**Prerequisites:** C or better in NSCI 300, PSYC 455, or PSYC 460, for undergraduates.

**Cross-listed course:** PSYC 560

### **NSCI 570 - Neuroscience Laboratory (3 Credits)**

Practice in the methods of scientific inquiry and the dissemination of research in neuroscience.

**Prerequisites:** C or better in NSCI 300, PSYC 455, or PSYC 460.

**Cross-listed course:** PSYC 570