

# NEUROSCIENCE

*Director: [Renee Countryman](#)*

The neuroscience minor includes courses from biology, psychology, and philosophy to build a foundation for understanding the study of the brain and nervous system from molecules to behavior and thought.

A **minor in neuroscience** consists of:

## **Required Core Courses (3 courses)**

\_\_\_\_\_ PSY 101 General Psychology\*

\_\_\_\_\_ PSY 215 Behavioral Neuroscience

\_\_\_\_\_ BIOL 116 Cell Biology\*\*

\*NOTE: **PSY majors** must substitute one PSY course from approved Neuroscience electives for PSY 101 if they are using PSY 101 toward their PSY major.

\*\*NOTE: **BIOL majors** must substitute one BIOL course from approved Neuroscience electives for BIOL 116 if they are using BIOL 116 toward their BIOL major.

## **Philosophy Course (1 course)**

\_\_\_\_\_ PHIL 205 Ethics

\_\_\_\_\_ PHIL 209 Ethics and Medicine

\_\_\_\_\_ PHIL 306 Knowledge and Reality

\_\_\_\_\_ PHIL 310 Mind and Language

\_\_\_\_\_ PHIL Approved elective

## **Electives (select 2 courses)**

\_\_\_\_\_ BIOL 228\*

\_\_\_\_\_ BIOL 234\*

\_\_\_\_\_ BIOL 248\*

\_\_\_\_\_ BIOL 326\*

\_\_\_\_\_ BIOL 344\*

\_\_\_\_\_ BIOL 352\*

\_\_\_\_\_ BIOL Approved Topics Course

\_\_\_\_\_ CHEM 351\*

\_\_\_\_\_ CHEM 352\*

\_\_\_\_\_ PSY 214

\_\_\_\_\_ PSY 315\*

\_\_\_\_\_ PSY 416

\_\_\_\_\_ PSY 451

\_\_\_\_\_ PSY Approved Topics Course

\_\_\_\_\_ Verify one of the electives must be a 300 level or higher course

\_\_\_\_\_ Verify one course must include a lab (\* indicates a lab course)

### **Other Supporting Courses**

\_\_\_\_\_ PSY 120, SSCI 120, or MATH 120 (statistics)

\_\_\_\_\_ BIOL 115

\_\_\_\_\_ CHEM 111

### **Other Considerations When Planning for the Minor:**

- Two approved electives from the list below are required, one of which must be 300 level or higher, and one of which must include a lab (indicated with a \* in the list of electives):

\*BIOL 228 Genetics

\*BIOL 234 Anatomy and Physiology

\*BIOL 248 Cellular Physiology

\*BIOL 326 Animal Behavior

\*BIOL 344 Molecular Biology of Gene Expression

\*BIOL 352 Systemic Physiology

BIOL Approved Biology Topics Course

\*CHEM 351 Introduction to Biochemistry

\*CHEM 352 Biochemical Metabolism

PSY 214 Psychopharmacology  
\*PSY 315 Advanced Behavioral Neuroscience  
PSY Approved Neuroscience Topics Course  
PSY 416 Neuroscience of Learning & Memory  
PSY 451 Clinical Neuroscience  
PSY Approved Neuroscience Topics Course

- **Special Requirements for Biology and/or Psychology Majors.** Anyone can minor in neuroscience; however, to ensure breadth of the learning experience, students who choose to major in biology or psychology and minor in neuroscience may not take neuroscience electives toward the neuroscience minor within their major field. In addition, since Biology 116 and Psychology 101 cannot double count toward a major and minor, biology and psychology majors will need to take an additional neuroscience elective from either biology or psychology, respectively, to fulfill the six-course minor requirement.

**Total Credits Requirement = 6 course credits**