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 an * 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