

## **Neuroscience Minor Graduation Checklist** **Fall 2020 through Current Catalog**

The interdisciplinary neuroscience minor involves the study of brain theory and research, psychological theory and research, philosophy of mind and consciousness, and mathematical modeling of brain and cognitive processes to understand the role that the brain plays in mental and behavioral phenomena.

Courses may be double counted for the respective major and the minor. Existing prerequisites for courses must be satisfied. However, if you do not have all the prerequisites for courses outside of your major, you may request a waiver by speaking with the chair of the department that offers the course.

Total Hours: 21-25 hours

### **Required Courses (9 Hours)**

- PHI 3540 - Philosophy of Mind (3 credits)
- PSY 3310 - Biological Psychology (3 credits; PSY 1879G)
- PSY 3820 - Cognitive Neuroscience (3 credits; "C" or better in PSY 1879G)

**Four courses from the following group of electives (12-16 hours); No more than 3 courses from one discipline.**

- BIO 3120 - Molecular and Cellular Biology (4 credits; BIO 1500, CHM 1410, and CHM 1415)
- BIO 3200 - Genetics (4 credits; BIO 3120 or CHM 3450)
- BIO 4832 - Animal Behavior (4 credits; 16 semester hours of Biological Sciences or permission of the instructor)
- BIO 4833 - Neurobiology of Diseases (4 credits; "C" or better in BIO 3120)
- BIO 4834 - Neurobiology (4 credits; BIO 3120 or permission of the instructor)
- BIO 4835 - Advanced Neurobiology (4 credits; "C" or better in BIO 4834)
- BIO 5406 - Endocrinology (4 credits; BIO 3520 and CHM 2430)
- CDS 2500 - Anatomy and Physiology of the Speech, Language, Swallowing, and Hearing Mechanism (3 credits)
- CDS 3500 - Neurological/Embryological Aspects of Communication (3 credits; Admission to the major, CDS 2500, or permission of the Chair)
- CSM 4885 - Theory of Computation (3 credits; MAT 2670 and MAT 2345, or permission of instructor)
- PHI 3700G - Language and Human Nature (3 credits)
- PHI 3780 - Philosophy of Science (3 credits)
- PHI 3900 - Symbolic Logic (3 credits; PHI 1900G or permission of the instructor)
- PSY 3450 - Neuropsychology (3 credits; "C" or better in PSY 1879G)
- PSY 3680 - Sensation and Perception (3 credits; PSY 1879G)
- PSY 3830 - Cognitive Psychology (3 credits; PSY 1879G)
- PSY 4810 - Neuropsychopharmacology (3 credits; "C" or better in PSY 1879G, PSY 3310)