Neuroscience Concentration in the Biology Major

**MAJOR REQUIREMENTS:** A baccalaureate degree program must require at least 21 semester hours of upper division courses in the major field and at least 39 semester hours of upper division work overall. Students in the Franklin College must earn a grade of "C" (2.0) or better in major courses.

### Required Courses (36 hours)
A minimum grade of "C" (2.0) is required.

- **Biol 1108 and Biol 1108L (4 hrs)**
- **BcMB(Biol)(Chem) 3100 - (4 hrs) - Intro Biochemistry and Molecular Biology or BcMB 4020 - (3 hrs) - Biochemistry and Molecular Biology II**
- **Gene 3200 - (4 hrs) - Genetics**
- **CBio(Biol) 3300 - (4 hrs) - Developmental Biology or CBIO(Biol) 3400 - (4 hrs) - Cell Biology**
- **ECOL(Biol) 3505L - (4 hrs) - Ecology or ECOL 3505H/L - (4 hrs) - Ecology Honors or Gene(Biol) 3000 - (4 hrs) - Evolutionary Biology**

### Organismal Biology
A minimum grade of "C" (2.0) is required.

**Organismal**

Choose one course from the following: (3-4 hours)

- **Biol(Wild) 3700 - (3 hrs) - Animal Behavior**
- **CBio 3000L - (4 hrs) - Comparative Vertebrate Anatomy**
- **Ento 4450 - (3 hrs) - Insect Behavior**
- **PsyC 5750 - (3 hrs) - Principles of Primate Phylogeny**

### Laboratory
A minimum grade of "C" (2.0) is required.

**Laboratory**

Choose one course from the following: (3-5 hours)

- **Biol 3110L - (4 hrs) - Basic Skills in the Laboratory**
- **Biol 3710L - (3 hrs) - Animal Behavior Laboratory**
- **Biol 3720L - (3 hrs) - Field Animal Behavior**
- **Biol 4960 or Biol 4960H - (4 hrs) - Undergrad Research**
- **CBio(Biol) 3410L-Lab in Cellular & Developmental Biology**
- **Gene(Biol) 3210L - (3 hrs) - Experimental Genetics**
- **Gene(Biol) 4210L - (4 hrs) - Molecular Genetics Lab**

### Biology Major Electives (9 hours) – A minimum grade of "C" (2.0) is required.

**Required:**

- **CBio(Biol) 3800 - (4 hrs) - Neurobiology**

Choose one of the following:

- **PsyC 4120 - (3 hrs) - Sensation and Perception**
- **PsyC 4130 - (3 hrs) - Physiological and Comparative Psychology**
- **PsyC 4140 - (3 hrs) - Cognitive Neuroscience**
- **PsyC 4150 - (3 hrs) - Biological Foundations of Health Psychology**

Choose one of the following:

- **Anth 4790 - (3 hrs) - Human Adaptation**
- **BcMB 4120 - (4 hrs) - Human Biochemistry and Disease**
- **BcMB 4130 - (4 hrs) - Mechanisms of Human Disease**
- **BcMB 4130H - (4 hrs) - Mechanisms of Human Disease (Honors)**
- **CBio 4200 - (3 hrs) - Biomedical Research in Health and Disease**
- **CBio 4200H - (3 hrs) - Biomedical Research in Health and Disease (Honors)**
- **CBio 4340 - (3 hrs) - Biology of Aging**

**Effective January 2014**