NEUROSCIENCE B.S.

All students must meet the University Requirements.

All students must meet the College Requirements.

MAJOR REQUIREMENTS

Twenty-five credits of fundamental courses including:

- BCOR 011 Exploring Biology 4
- BCOR 012 Exploring Biology 4
- CHEM 031 General Chemistry 1 4
- CHEM 032 General Chemistry 2 4
- MATH 019 QR: Fundamentals of Calculus I 3
- MATH 020 QR: Fundamentals of Calculus II 3
- PSYS 001 Intro to Psychological Science 3

Fourteen credits of foundation courses including:

- NSCI 111 Exploring Neuroscience 3
- NSCI 112 Exploring Neurosci Laboratory 1
- BCOR 101 Genetics 3
- CHEM 141 Organic Chemistry 1 4

Choose one of the following:

- PSYS 111 Learning, Cognition & Behavior 3
- or CSD 281 Intro Cognitive Neuroscience

Experimental design and statistics courses out of one of the following categories:

**Category A**

- PSYS 053 Research Methods
- PSYS 054 Statistics for Psych Sci

**Category B**

- STAT 141 QR: Basic Statistical Methods I
- or STAT 211 QR: Statistical Methods I
- STAT 221 QR: Statistical Methods II
- STAT 231 QR: Experimental Design

**Category C**

- PSYS 053 Research Methods
- BIOL 202 Quantitative Biology

Advanced Core neuroscience courses:

- NSCI 270 Diseases of the Nervous System 12-13

Choose nine credits from the following:

- BIOL 261 Neurobiology
- PSYS 214 Adv Cognitive Neuroscience
- NSCI 225 Human Neuroanatomy
- PSYS 215 Physiological Psychology

Twelve credits of optional neuroscience courses, with at least one from each of the following categories:

**Category A**

- CSD 101 Speech & Hearing Science
- CSD 208 Cognition & Language
- PSYS 211 Learning
- PSYS 217 Animal Behavior
- PSYS 218 Hormones and Behavior
- PSYS 219 Sel Topics Behavioral Neurosci
- PSYS 252 Emotional Devlmt & Temperament

**Category B**

- BCOR 103 Molecular and Cell Biology
- BIOL 266 Neurodevelopment
- NSCI 255 Neuroregeneration
- PHRM 201 Introduction to Pharmacology
- PHRM 290 Topics Molec & Cell Pharm
- STAT 256 QR: Neural Computation
- PSYS 216 Psychopharmacology

**Category C**

- BIOL 262 Neurobiology Techniques
- CSD 262 Measurement of Comm Processes
- NSCI 197 Undergraduate Research
- NSCI 198 Undergraduate Research
- NSCI 297 Undergraduate Research
- NSCI 298 Undergraduate Research

No more than six credits of Category C may be counted toward the major.

NSCI 3XX courses may be accepted as Advanced Course Options with prior approval from the Neuroscience Director. These courses are often open to upper level undergraduate students with instructor permission.
Students completing the B.S. in Neuroscience may not also receive the B.A. in Psychological Science.