

# NEUROSCIENCE, BS

The Neuroscience, BS uses a multidisciplinary team of faculty from different departments to create a degree that examines the functional and anatomical mechanisms underlying the brain. This program provides a unique opportunity for students to develop skills and knowledge that will prepare them for diverse and competitive graduate programs focused on biological aspects of psychology and behavior, and also prepare them for careers in health-related sciences in general. The Neuroscience, BS will provide students with extensive opportunity to participate in neuroscience research and gain research experience. The Neuroscience, BS is a multi-disciplinary major, offering training in different aspects of Neuroscience including social, cognitive, and affective neuroscience, cellular neuroscience, neuroanatomy, neurological and psychiatric disorders, and the neurobiological mechanisms of learning, memory and cognition.

Code and Title	Hours
<b>Ancillary courses</b>	
Grades in ancillary courses are not computed into the major GPA. The major in neuroscience requires the successful completion of the following courses outside the major:	
BSC 116 Principles Biology II & BSC 117 or BSC 120 Honors Gen Biology II	4
BSC 114 Principles Of Biology I & BSC 115 or BSC 118 Honors General Biology I	4
MATH 125 or MATH 145 Honors Calculus I	4
<b>Total Hours</b>	<b>12</b>

Code and Title	Hours
<b>Required Courses</b>	
PY 101 or PY 105 Honors Intro Psychology	3
PY 211 Elem Statistical Methods	3
BSC 215 Human Anatomy & Physiology I	4
PY 355 General Experimental Psych	3
PY 353 Bio Basis of Psych Disorders	3
PY 381 Cognitive Neuroscience	3
PY 413 Physiological Psych	3
Credit Hours Subtotal:	22
<b>Electives</b>	<b>18-19</b>

Select any 6 courses:

PHL 261 Phil. Psych. and Neuroscience
BSC 220 Biol Evol
PY 352 Developmental Psych
BSC 300 Cell Biology
BSC 315 Genetics
ANT 312 Non-Human Primates
CD 352 Neurology for SLP
PY 313 Sensation and Perception
ECE 370 Signals And Systems
PY 376 Behavioral Medicine
PY 470 Intro Cognitive Psychlgy

ANT 474 Neuroanthropology
BSC 426 Computational Biology Lab
PHL 422 Neuroethics
PHL 462 Neural Basis of Consciousness
BEP 480 Neuroimaging

**Total Hours** **40-41**

## Required Minor

This major requires the completion of a minor.