

NEUROSCIENCE B.S.

All students must meet the University Requirements

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MAJOR REQUIREMENTS

Fundamental Courses:		
PSYS 001	Introduction to Psychological Science	3
Choose one of the following Biology options: 4-8		
Option A (recommended)		
BCOR 011	Exploring Biology	
BCOR 012	Exploring Biology	
Option B		
BCOR 021	Accelerated Biology	
Option C		
BIOL 001	Principles of Biology	
BIOL 002	Principles of Biology	
Choose one of the following Chemistry options: 8		
Option A (recommended)		
CHEM 031 & CHEM 032	General Chemistry 1 and General Chemistry 2	
Option B		
CHEM 035 & CHEM 036	General Chemistry for Majors 1 and General Chemistry for Majors 2	
Choose one of the following Math options: 6-8		
Option A		
MATH 019 & MATH 020	Fundamentals of Calculus I and Fundamentals of Calculus II	
Option B		
MATH 021 & MATH 022	Calculus I and Calculus II	

Foundation Courses:		
NSCI 111	Exploring Neuroscience	3
NSCI 112	Exploring Neuroscience lab	1
BCOR 101	Genetics	3
Choose 1 of the following Organic Chemistry options: 4-8		
Option A		
CHEM 042	Intro Organic Chemistry	
Option B		
CHEM 141 & CHEM 142	Organic Chemistry I and II	
Choose one of the following: 3		
PSYS 111 or PSYS 115	Learning, Cognition & Behavior Biopsychology	

or CSD 281	Intro Cognitive Neuroscience	
Experimental Design and statistics options: 6-7		
PSYS 053	Research Methods	
PSYS 054 or STAT 141 or STAT 211	Statistics for Psychological Science Basic Statistical Methods Statistical Methods I	
Senior Capstone:		
NSCI 270	Diseases of the Nervous System	3

Six courses of Neuroscience electives, with at least two from each of the following categories: 3-4		
Category A		
CSD 101	Speech and Hearing Science	
CSD 208	Cognition and Language	
PSYS 211	Learning	
PSYS 212	Cognition	
PSYS 213	Motivation	
PSYS 214	Adv Cognitive Neuroscience	
PSYS 215	Physiological Psychology	
PSYS 218	Hormones and Behavior	
PSYS 220	Behavioral Genetics	
PSYS 252	Emotional Devlmt & Temperament	
Category B		
BIOL 108 or BCOR 103	Molecular and Cell Biology	
BIOL 266	Neurodevelopment	
NSCI 222	Cellular Neurophysiology	
NSCI 225	Human Neuroanatomy	
NSCI 255	Neuroregeneration	
NSCI 261	Neurobiology for Majors	
NSCI 280	Glia: Not Just Neuron Glue!	
PHRM 201	Introduction to Pharmacology	
PHRM 290	Topics Molecular & Cell Pharm	
PSYS 216	Psychopharmacology	
Additional courses may be accepted as Advanced Course Options with prior approval from the Neuroscience Directors.		
Up to 3 credits of research may count towards the Neuroscience electives.		
NSCI 3XX courses may be accepted as Advance Course Options with prior approval from the Neuroscience Director. These courses are often open to upper level undergraduate students with instructor permission		

RESTRICTIONS:

Students completing the B.S. in Neuroscience may not also receive the B.A. in Psychological Science.