

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	Fundamentals of Calculus I	3
MATH 020	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	
or CSD 281	Intro Cognitive Neuroscience	
Experimental design and statistics courses out of one of the following categories:		6-9
Category A		
PSYS 053	Research Methods	
PSYS 054	Statistics for Psych Sci	
Category B		
STAT 141	Basic Statistical Methods	
or STAT 211	Statistical Methods I	
STAT 221	Statistical Methods II	
STAT 231	Experimental Design	
Category C		
PSYS 053	Research Methods	
BIOL 202	Quantitative Biology	
Advanced Core neuroscience courses:		12-13
NSCI 270	Diseases of the Nervous System	

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:		12
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 Molecular&Cell Pharm	
STAT 256	Neural Computation	
PSYS 216	Psychopharmacology	
Category C		
BIOL 262	Neurobiology Techniques	
CSD 262	Measurement of Comm Processes	
NSCI 197	Intrmd Readings & Research	
NSCI 198	Intrmd Readings & Research	
NSCI 297	Advanced Readings & Research	
NSCI 298	Advanced Readings & 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.	
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