

# MINOR IN NEUROSCIENCE

The neuroscience minor is designed for students majoring in all subjects other than neuroscience. The minor program aims to provide students a working knowledge of the functional and biological bases of brains and nervous systems. The neuroscience minor integrates knowledge from biology, psychology, and other related disciplines to provide undergraduate students the opportunity to obtain fundamental knowledge and exposure to neuroscientific concepts. It is especially valuable for students considering post-baccalaureate study or careers in health and disease, rehabilitation, biomedical research, user experience design, artificial intelligence, human-machine interaction, and other emerging disciplines.

## Program of Study

Code	Title	Credit Hours
<b>Required</b>		
NEUR 2000	Principles of Neuroscience for non-majors	3
One of the following:		3
NEUR 3001	Cell and Molecular Neuroscience	
NEUR 3002	Neural Systems, Networks, and Behavior	
NEUR 3003	Neuroscience of Behavior	
One additional Neuroscience-designated elective:		3
NEUR 3001	Cell and Molecular Neuroscience	
NEUR 3002	Neural Systems, Networks, and Behavior	
NEUR 3003	Neuroscience of Behavior	
NEUR 3010	Methods in Neuroscience	
NEUR 4100	Neurodevelopment	
NEUR 4238	Ion Channels in Health and Disease	
NEUR 4300	Neuroscience of Memory	
NEUR 4400	Neuroendocrinology	
NEUR 4699	Undergraduate Research <sup>1</sup>	
NEUR 4740	Neuroethics	
NEUR 4803	Special Topics <sup>1</sup>	
Additional Neuroscience Electives (or, 6 hours from list above):		6
BIOS 3755	Human Physiology	
BIOS 4400	Human Neuroanatomy	
BIOS 4464	Developmental Biology	
BIOS 4471	Behavioral Biology	
BIOS 4480	Evolutionary Developmental Biology – How to Build an Organism	
BIOS 4746	Signaling Molecules	
BMED 4803	Special Topics (Intro Neuroengineering)	
BMED 4813	Special Topics (Systems Neuropathology and Translational Eng)	
PSYC 2103	Human Development Over the Life Span	
PSYC 2230	Abnormal Psychology	
PSYC 2760	Human Language Processing	
PSYC 3012	Introduction to Cognitive Psychology	
PSYC 3040	Sensation and Perception	
PSYC 3100	Neuroscience of Mental Health	
PSYC 4011	Cognitive Psychology	
PSYC 4041	Human Sensation and Perception	

PSYC 4025	Learning and Memory
PSYC 4090	Cognitive Neuroscience
PSYC 4100	Behavioral Pharmacology
PSYC 4740	Neuroethics

**Total Credit Hours** 15

<sup>1</sup> See advisor for options and hours that may apply to the minor.