

# 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
Required: One of the following:		3
NEUR 2801	Special Topics in Neuroscience	
NEUR 2802	Special Topics in Neuroscience	
NEUR 2803	Special Topics in Neuroscience	
NEUR 2804	Special Topics in Neuroscience	
NEUR 3001	Cell and Molecular Neuroscience	
NEUR 3002	Neural Systems, Networks, and Behavior	
NEUR 3003	Neuroscience of Behavior	
Required: 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 3801	Special Topics in Neuroscience	
NEUR 3802	Special Topics in Neuroscience	
NEUR 3803	Special Topics in Neuroscience	
NEUR 3804	Special Topics in Neuroscience	
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 4801	Special Topics	
NEUR 4802	Special Topics	
NEUR 4803	Special Topics <sup>1</sup>	
NEUR 4804	Special Topics	
NEUR 4805	Special Topics	
NEUR 4806	Special Topics	
NEUR 4808	Special Topics	
NEUR 4814	Special Topics	
NEUR 3231	Introduction to Neuroengineering	
NEUR 4200	Functional Neuroanatomy	

Required: Additional Neuroscience Electives from the above NEUR-designed courses or the following courses:	6
BIOS 4746 Signaling Molecules	
BMED 4803 Special Topics	
BMED 4813 Special Topics	
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	
PSYC 4745 Physics of Cognition	
<b>Total Credit Hours</b>	<b>15</b>

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