NEUROSCIENCE MINOR

Neuroscience is the interdisciplinary scientific study of the nervous system. It encompasses and combines a broad array of disciplines including biology, biochemistry, computer science, physiology, psychology, philosophy, and more. This diversity reflects the complexity of the nervous system and the challenges in understanding how nervous systems function on multiple levels underlying behavior: molecular, cellular, network, and systems. The overarching goal of the Neuroscience minor is to allow students who may be focusing their studies in a traditional discipline with certain levels of analysis to broaden their perspective and knowledge to areas outside of their primary field of study.

The minor requires the completion of a minimum of 18 credits.

Code	Title	Credits
Core Courses		
BIO 3200	Human Physiology	3
PSY 3120	Brain and Behavior	3
or PSY 3330	Systems Neuroscience	
Elective courses		
A minimum of three additional courses taken outside of the student's major from the approved list of courses below.		
Cellular and Molecular Courses		
BIO 3070	Genetics	4-5
BIO 4120	Comparative Physiology	4
BIO 4690	Molecular and Cellular Neurobiology	3
BIO 5620	Developmental Biology	3
BIO 5660	Neural Signaling in Health and Disease	3
BIO 5890	Neuroplasticity	3
BIO 6055	Biology of the Eye	3
BIO 6180	Membrane Biology	3
BIO 6690	Special Topics in Neurobiology	3
NEU 4895	Special Topics in Cellular and Molecular Neuroscience	3
NEU 5470	Preclinical and Clinical Assessments of Neurologic Disease I	3
NEU 6470	Preclinical and Clinical Assessments of Neurologic Disease II	3
PHY 6290	Survey of Biophysics	3
Behavioral and Cognitive Courses		
BIO 4220	Biological Dimensions of Evolutionary Psychology	3
KIN 3550	Motor Learning and Control	3
NFS 5170	Nutrition, Physical Activity, and the Brain	3
NEU 4200	Neurobiology of Addiction	3
NEU 4795	Special Topics in Behavioral and Cognitive Neuroscience	3
PSY 2080	Introduction to Drugs, Behavior, and Society	3
PSY 3040	Psychology of Perception: Fundamental Processes	3
PSY 3060	Psychology of Learning and Memory: Fundamental Processes	3
PSY 3080	Cognitive Psychology: Fundamental Processes	3
PSY 4140	Hormones and Behavior	3
PSY 5040	Cognitive Neuroscience	3
PSY 5070	Neuropharmacology	3
PSY/BIO 5080	Cellular Basis of Animal Behavior	3
PSY 5330	Human Neuropsychology	3
PSY 5440	Developmental Neuropsychology	3
Philosophy Courses		
PHI 2550	Introduction to Philosophy of Science	3
PHI 2650	Minds and Machines	3
PHI 5230	Philosophy of Science	4
PHI 5550	Philosophy of Mind	4