NEUROSCIENCE MINOR

Department:

Program Co-Directors: Cady, Harris, Koeltzow

The purpose of the neuroscience minor is to encourage and recognize in-depth study of neuroscience for students majoring in other subject areas. Coursework incorporates the interdisciplinary nature of the field and will provide students with a foundation in cellular and molecular neurobiology and in behavioral neuroscience. Completion of the minor requires at least 28 credit hours, 12 of which cannot also be used for completion of a student's major. Students seeking to minor in neuroscience should complete PSY 201 Brain and Behavior during the first year as this course is a requirement of the application process, which will occur during the fall of each applicant's sophomore year. For application and additional information see Neuroscience (https://www.bradley.edu/academics/departments/biology/#Minors). Admission decisions will occur prior to registration for spring courses.

Code	Title	Hours
Required Neuroscience Core		
PSY 201	Brain and Behavior [1]	3.0
PSY 206	Research Methods in Psychology	4.0
PSY 364	Behavioral Neuroscience	3.0
NEU 470	Seminar in Neuroscience	1.0
BIO 484	Neurophysiology	3.0-4.0
Required Foundations in Science		**2**
Statistics Sequence- select one of the following		3.0
BIO 260 & BIO 261	Biological Statistics I and Biological Statistics II	
PSY 205	Quantitative Methods	
Select one of the following:		4.0
BIO 111/113	Introduction to Cell Biology	
BIO 151/152	Molecules to Cells	
Electives Courses		
Select 6-8 hours of the following. At least one course must be in Biology:		6.0-8.0
BIO 310	Genetics	
BIO 381	Comparative Animal Physiology	
BIO 419	Ethology	
NEU 490	Independent Research in Neuroscience	
PSY 360	Psychology of Learning	
PSY 366	Sensation & Perception	
PSY 405	Social Affective Neuroscience	
PSY 420	Psychology of Addiction	
Total Hours		**29-32**

[1] Must be successfully completed to apply for the minor.

Students must also complete at least one laboratory course by registering for 4 hours in BIO 484 Neurophysiology (with consent of instructor) or by enrolling in PSY 365 Behavioral Neuroscience Laboratory (Behavioral Neuroscience Laboratory) concurrently with PSY 364 Behavioral Neuroscience.

Course Sequence

Course	Title	Hours
First Year		
Fall		
PSY 201	Brain and Behavior	3.0
	Hours	**3**
Sophomore		
Fall		
BIO 111/113 or BIO 151 ***and*** BIO 152	Introduction to Cell Biology or Molecules to Cells ***and*** Molecules to Cells Laboratory	4.0
PSY 205 or BIO 260 ***and*** BIO 261	Quantitative Methods or Biological Statistics I ***and*** Biological Statistics II	3.0
	Hours	**7**
Junior		
Fall		
BIO 484	Neurophysiology	3.0-4.0
PSY 206	Research Methods in Psychology	4.0
PSY 364 or PSY 365	Behavioral Neuroscience or Behavioral Neuroscience Laboratory	3.0
	Hours	**10-11**
Senior		
Fall		
NEU 470	Seminar in Neuroscience	1.0-2.0
2 electives		6.0-8.0
	Hours	**7-10**
	Total Hours	**27-31**