

# NEUROSCIENCE MINOR

Banner Code: NEUR

## Academic Advising

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Neuroscience is one of the most rapidly growing disciplines in science and society today. Due to its interdisciplinary nature, it draws on skills from anatomy, chemistry, electrical engineering, genetics, math, psychology, economics, and philosophy among others. Students in diverse fields can benefit from neuroscience through this minor.

## Admissions & Policies

### Policies

Eight credits of coursework must be unique to the minor. For policies governing all minors, see AP5.3.4 Minors (<http://catalog.gmu.edu/policies/academic/undergraduate-policies/#ap-5-3-4>).

For policies governing all undergraduate programs, see AP5 Undergraduate Policies (<http://catalog.gmu.edu/policies/academic/undergraduate-policies/>).

## Requirements

### Minor Requirements

Total credits: 21-22

Students should refer to the Admissions & Policies tab for specific policies related to this minor.

Students must complete at least 21 credits of coursework with a minimum GPA of 2.00.

### Biology Courses

Code	Title	Credits
BIOL 213	Cell Structure and Function (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )	4
Total Credits		4

### Psychology Courses

Code	Title	Credits
PSYC 373	Biopsychology Laboratory	2
PSYC 375	Brain and Sensory Processes	3
PSYC 376	Brain and Behavior	3
Total Credits		8

### Neuroscience Courses

Code	Title	Credits
NEUR 327	Cellular Neuroscience	3
NEUR 335	Developmental and Systems Neuroscience	3
Total Credits		6

### Electives

Code	Title	Credits
Choose one from the following: <sup>1</sup>		3-4
BIOL 311	General Genetics	
BIOL 322	Developmental Biology	
BIOL 326	Animal Physiology	
BIOL 425	Human Physiology	
BIOL 430	Advanced Human Anatomy and Physiology I	
NEUR 101	Introduction to Neuroscience (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )	
NEUR 328	Cellular Neuroscience Lab	
NEUR 405	RS: Laboratory Methods in Behavioral Neuroscience	
NEUR 406	Zebrafish Neurodevelopment Laboratory	
NEUR 407	Lab Investigations Using Voltage Clamp Electrophysiology	
NEUR 410	Current Topics in Neuroscience	
NEUR 411	Seminar in Neuroscience	
NEUR 422	Glutamatergic Systems	
NEUR 424	Sleep and Circadian Rhythms (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )	
NEUR 440	Independent Study in Neuroscience	
NEUR 461	Special Topics in Neuroscience	
NEUR 473	Current Neuroscience Research in Germany (Mason Core) ( <a href="http://catalog.gmu.edu/mason-core/">http://catalog.gmu.edu/mason-core/</a> )	
NEUR 480	Biological Bases of Alzheimer's Disease	
Any other NEUR course		
Total Credits		3-4

<sup>1</sup>

Elective courses not on this list must be approved by the director of the program.