

NEUROSCIENCE M.S.

The Neuroscience M.S. program curriculum is flexible and coursework and a research thesis are intended to be completed in two years.

The University of Montana Neuroscience Program also offers a combined Bachelor of Science and Master of Science degree pathway with an emphasis on Cellular & Molecular Neuroscience. This five-year accelerated program is specifically designed for students who have demonstrated academic excellence and are deeply interested in pursuing intensive research training in preparation for graduate/professional schools or who wish to enter the biomedical/biotech sector with advanced standing. The first 3 years of study are aligned with the existing Cellular & Molecular concentration of the B.S. in Neuroscience. Some students in the Cognitive & Behavioral concentration may also be eligible depending upon their course selections. In their 4th year, students will take graduate neuroscience courses and complete their B.S. degree. This will allow students to enter the Neuroscience graduate program with advanced standing and, pending completion and defense of an M.S. thesis project, earn a B.S. and an M.S. in 5 years.

See the Neuroscience website (<https://www.umt.edu/neuroscience/default.php>) for additional information.

Master of Science - Neuroscience

Degree Specific Credits: 30

Required Cumulative GPA: 3.0

Requirements

Code	Title	Hours
Core Requirements - Complete all of the following courses:		
NEUR 582	Research Seminar Neurosci. (Data Club) ¹	1
NEUR 590	Graduate Research ²	10
NEUR 594	Seminar ¹	2
NEUR 661	Neuroscience I	4
NEUR 667	Topics in Neurobiology (Journal Club)	1
Electives - Complete at least 12 elective credits. Suggested elective courses include:		12
BCH 581	Physical Biochemistry	
BCH 582	Proteins and Enzymes	
BCH 600	Cell Organization & Mechanisms ³	
BMED 605	Biomedical Research Ethics	
BMED 609	Biomedical Statistics	
BMED 615	Molecular Pharmacology	
BMED 632	Advanced Pharmacokinetics	
NEUR 610	Neuropharmacology	
NEUR 667	Topics in Neurobiology	
Total Hours		30

1

Students may only take 1 credit per semester.

2

A minimum of 10 research credits is required for the Neuroscience M.S. degree.

3

Students without preparation in biochemistry must take BCH 480 and BCH 482 as prerequisite to BCH 600.