NEUROSCIENCE PH.D.

The Neuroscience Ph.D program curriculum is flexible, and coursework is intended to be completed during the first two years of the doctoral program to allow for maximum time spent working on research in the student's selected advisor's laboratory.

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

Doctor of Philosophy - Neuroscience

Degree Specific Credits: 60

Required Cumulative GPA: 3.0

Requirements

Code	Title	Hours
Core Requirements - Complete all of the folllowing courses:		
BCH 600	Cell Organization & Mechanisms [1]	3
BMED 605	Biomedical Research Ethics	1
BMED 609	Biomedical Statistics	3
NEUR 570	Neuroscience Research Laboratory Rotations [2]	2
NEUR 582	Research Seminar Neurosci. [2]	4
NEUR 594	Seminar [2]	2
NEUR 661	Neuroscience I	4
NEUR 667	Topics in Neurobiology (Journal Club)	1
Graduate Research - Complete a minimum of 20 credits in the following courses: [3]		**20**
NEUR 590	Graduate Research	
NEUR 690	Graduate Research	
Electives - Complete at least three elective courses (a minimum of 10 credits), according to research interests. Suggested elective courses include:		**10**
BCH 581	Physical Biochemistry	
BCH 582	Proteins and Enzymes	
BMED 615	Molecular Pharmacology	
BMED 632	Advanced Pharmacokinetics	
NEUR 610	Neuropharmacology	
NEUR 667	Topics in Neurobiology	
Additional Credits - Complete 10 additional credits of electives or research.		**10**
Total Hours		**60**

[1]

Students without preparation in biochemistry must take BCH 480/BCH 482 as pre-requisite to BCH 600.

[2]

Students may only take 1 credit per semester.

[3]

A minimum of 20 combined research credits is required for the Neuroscience Ph.D. degree, but a maximum of 30 credits may be applied toward the 60-credit requirement for the Ph.D.