

NEUROSCIENCE B.S. - CELLULAR AND MOLECULAR NEUROSCIENCE

Bachelor of Science - Neuroscience; Cellular and Molecular Concentration

College of Humanities & Sciences

Degree Specific Credits: 76-85

Required Cumulative GPA: 2.0

Catalog Year: 2018-2019

General Education Requirements

Information regarding these requirements can be found in the General Education Section (<http://catalog.umt.edu/academics/general-education-requirements>) of the catalog.

Summary

Code	Title	Hours
	Biology/Psychology Core Courses	25
	Other Required Courses	35-36
	Additional Major Courses	15
	Intersection Courses	1-9
	Total Hours	76-85

Biology/Psychology Core Courses

Note: BIOH 458 satisfies the Upper Division Writing Requirement for the Major.

Code	Title	Hours
Complete all of the following courses:		
BIOB 260	Cellular and Molecular Biology	4
BIOB 272	Genetics and Evolution	4
BIOH 280	From Molecules to Mind - Fundamentals of Neuroscience	3
BIOH 380	Cellular and Molecular Neuroscience	3
BIOH 458	Neuroscience Research	4
PSYX 250N	Fund of Biological Psychology	3
Complete one of the following courses:		
BIOB 160N & BIOB 161N	Principles of Living Systems and Prncpls of Living Systems Lab	4
BCH 110 & BCH 111	Intro Biology for Biochemists and Intro Biol for Biochemists Lab	4
	Total Hours	25

Minimum Required Grade: C-

Other Required Courses

Code	Title	Hours
Complete all of the following courses:		
CHMY 141N & CHMY 142N	College Chemistry I and College Chemistry I Lab	5
CHMY 143N & CHMY 144N	College Chemistry II and College Chemistry II Lab	5
CHMY 221	Organic Chemistry I	3
CHMY 222	Organic Chemistry I Lab	2
CHMY 223	Organic Chemistry II	3
M 162	Applied Calculus	4
PHSX 205N & PHSX 206N	College Physics I and College Physics I Laboratory	5
PHSX 207N & PHSX 208N	College Physics II and College Physics II Laboratory	5
Complete one of the following courses:		
STAT 216 or PSYX 222	Introduction to Statistics Psychological Statistics	3-4
	Total Hours	35-36

Minimum Required Grade: C-

Additional Major Courses

Code	Title	Hours
Complete all of the following courses:		
BCH 480	Advanced Biochemistry I	3
BCH 482	Advanced Biochemistry II	3
BIOB 425	Adv Cell & Molecular Biology	3
	Total Hours	9

Minimum Required Grade: C-

Code	Title	Hours
Complete 3 credits of the following courses:		
BIOB 301	Developmental Biology	3
BIOH 365	Human AP I for Health Profsns	3
BIOB 435	Comparative Animal Physiology	3
	Total Hours	3

Minimum Required Grade: C-

Code	Title	Hours
Complete one of the following courses:		
BIOB 375	General Genetics	3
BIOB 468	Endocrinology	3
BIOH 441	CNS Diseases	3
BMED 610	Neuropharmacology	3
BMED 646	Neurotoxicology	3
KIN 330	Motor Learning and Control	3
PSYX 356	Human Neuropsychology	3
	Total Hours	3

Minimum Required Grade: C-

Intersection Courses

Code	Title	Hours
Complete one of the following courses:		1-9
BIOE 406	Behavior & Evolution	
DANC 345	Teaching for the Disabled	
ECNS 491	Special Topics (Behavioral/Experimental Economics)	
HTH 430	Health and Mind/Body/Spirit	
PSYX 233	Fund of Psychology of Aging	
Total Hours		1-9

Minimum Required Grade: C-