

NEUROSCIENCE B.S. - COGNITIVE NEUROSCIENCE

Bachelor of Science - Neuroscience; Cognitive Neuroscience Concentration

College of Humanities & Sciences

Degree Specific Credits: 71-87

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		26-33
Mathematics and Physics		
Chemistry		
Additional Major Courses		19-20
Intersection Courses		1-9
Total Hours		71-87

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 160N & BIOB 161N	Principles of Living Systems and Prncpls of Living Systems Lab	4
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
Total Hours		25

Minimum Required Grade: C-

Other Required Courses

Mathematics and Physics

Code	Title	Hours
Complete all of the following courses:		
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
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Total Hours 17-18

Minimum Required Grade: C-

Chemistry

Code	Title	Hours
Complete one of the following Chemistry sequences:		
CHMY 121N	Introduction to General Chemistry	9-15
CHMY 123	Introduction to Organic and Biochemistry	
CHMY 124	Introduction to Organic and Biochemistry Lab	

OR

CHMY 141N & CHMY 142N	College Chemistry I and College Chemistry I Lab	
CHMY 143N & CHMY 144N	College Chemistry II and College Chemistry II Lab	
CHMY 221 & CHMY 222	Organic Chemistry I and Organic Chemistry I Lab	

Minimum Required Grade: C-

Additional Major Courses

Code	Title	Hours
Complete all of the following courses:		
BCH 380	Biochemistry	4
PSYX 270	Fund Psychology of Learning	3
PSYX 280	Fund of Memory and Cognition	3
PSYX 356	Human Neuropsychology	3
Total Hours		13

Minimum Required Grade: C-

Code	Title	Hours
Complete two of the following courses:		
BIOB 301	Developmental Biology	6-7
BIOH 365	Human AP I for Health Profnsns	
BIOH 441	CNS Diseases	
BMED 610	Neuropharmacology	
BMED 646	Neurotoxicology	
KIN 330	Motor Learning and Control	
PSYX 352	Comparative Psychology	

Total Hours 6-7

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-