

NEUROSCIENCE B.S. COGNITIVE NEUROSCIENCE OPTION

Bachelor of Science - Neuroscience; Cognitive Neuroscience Concentration

College Humanities & Sciences

Degree Specific Credits: 70

Required Cumulative GPA: 2.0

Catalog Year: 2016-2017

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

Biology/Psychology Core Courses	25
Other Required Courses	25-33
Additional Major Courses	16-17
Intersection Courses	1-9
Total Hours	67-84

Biology/Psychology Core Courses

Rule: Must complete all of the following courses:

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

BIOB 160N	Principles of Living Systems	3
BIOB 161N	Prncpls of Living Systems Lab	1
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

Rule: Must complete all of the following courses:

Select one of the following groups:	8-15
CHMY 121N	Introduction to General Chemistry
CHMY 123 & CHMY 124	Introduction to Organic and Biochemistry and 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	
M 162	Applied Calculus	4
PHSX 205N	College Physics I	4
PHSX 206N	College Physics I Laboratory	1
PHSX 207N	College Physics II	4
PHSX 208N	College Physics II Laboratory	1
STAT 216 or PSYX 222	Introduction to Statistics Psychological Statistics	3-4
Total Hours		25-33

Minimum Required Grade: C-

Additional Major Courses

Rule: Must 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

Select at least two of the following: 3-7

BIOB 301	Developmental Biology
BIOH 365	Human AP I for Health Profsns
BMED 610	Neuropharmacology
BMED 646	Neurotoxicology
KIN 330	Motor Learning and Control
PSYX 352	Comparative Psychology

Total Hours 3-7

Minimum Required Grade: C-

Intersection Courses

Select at least one of the following: 1-9

BIOE 406	Behavior & Evolution
DANC 345	Teaching for the Disabled
ECNS 491	Special Topics
GH 389E	Placebos: The Power of Words
HTH 430	Health and Mind/Body/Spirit
LIT 491	Special Topics
PSYX 233	Fund of Psychology of Aging

Total Hours 1-9

Minimum Required Grade: C-