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 Pnclps 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 Introduction to Organic and Biochemistry
CHMY 124 & CHMY 222 Introduction to Organic and Biochemistry Lab

Total Hours 1-9

Minimum Required Grade: C-

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
PSHX 205N College Physics I 4
PSHX 206N College Physics I Laboratory 1
PSHX 207N College Physics II 4
PSHX 208N College Physics II Laboratory 1
STAT 216 Introduction to Statistics 3-4
or PSYX 222 Psychological Statistics

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-