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 Prncplps 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

<table>
<thead>
<tr>
<th>CHMY 121N</th>
<th>Introduction to General Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHMY 123</td>
<td>Introduction to Organic and Biochemistry</td>
</tr>
<tr>
<td>&amp; CHMY 124</td>
<td>and Introduction to Organic and Biochemistry Lab</td>
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OR

<table>
<thead>
<tr>
<th>CHMY 141N &amp; CHMY 142N</th>
<th>College Chemistry I</th>
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</thead>
<tbody>
<tr>
<td>CHMY 143N &amp; CHMY 144N</td>
<td>College Chemistry II</td>
</tr>
<tr>
<td>CHMY 221 &amp; CHMY 222</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>&amp; CHMY 222</td>
<td>and Organic Chemistry I Lab</td>
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<tr>
<td>M 162</td>
<td>Applied Calculus    4</td>
</tr>
<tr>
<td>PHSX 205N</td>
<td>College Physics I   4</td>
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<tr>
<td>PHSX 206N</td>
<td>College Physics I Laboratory 1</td>
</tr>
<tr>
<td>PHSX 207N</td>
<td>College Physics II  4</td>
</tr>
<tr>
<td>PHSX 208N</td>
<td>College Physics II Laboratory 1</td>
</tr>
<tr>
<td>STAT 216</td>
<td>Introduction to Statistics 3-4</td>
</tr>
<tr>
<td>or PSYX 222</td>
<td>Psychological Statistics</td>
</tr>
</tbody>
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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-