

## Neuroscience Major (BS)

Total Major hours: 50  
Suggested hours per semester: 16-18

### Major Academic Plan (MAP) for Catalog Year 2023-2024

The College Catalog is the final authority on course requirements for graduation. This MAP is only a tool for course planning purposes. Course sequencing may vary from this MAP. Students are strongly encouraged to seek guidance from their faculty advisor regarding their course schedule and possible studies off-campus.

<b>Fall Semester 1</b>  BIOL 241 Organization of Life <sup>F,1</sup> CHEM 231 General Chemistry <sup>F,2</sup>  <i>CORE 101: First Year Seminar</i>  <i>Core Competency Course(s)</i> <ul style="list-style-type: none"> <li>▪ COMM 101: Oral Comm (2)</li> <li>▪ ENGW 103: First-Year Writing</li> <li>▪ Language</li> </ul>	<b>Spring Semester 1</b>  BIOL 242 Diversity of Life <sup>S</sup> (or Summer in the Black Hills) CHEM 232 General Chemistry II <sup>*S</sup>  <i>Core Competency Course(s)</i>  BITH 211/ARCH 211: Old Testament	<b>Summer 1</b>  BIOL 242 in Black Hills (optional)  Consider study (eg. Wheaton In programs), internship or research options
<b>Fall Semester 2</b>  BHS 252 Intro to Biological & Health Science Research <sup>*S</sup>  <i>Core Competency Course(s)</i>  BITH 213/ARCH 213: New Testament	<b>Spring Semester 2</b>  NEUR 241 Foundations of Neuroscience <sup>S,1</sup> Major elective(s) <sup>4</sup>  <i>Thematic Core Course(s)</i>  BITH 315: Christian Thought*	<b>Summer 2</b>  Consider study (eg. Wheaton In programs), internship or research options
<b>Fall Semester 3</b>  NEUR 369 Neuro Research Techniques <sup>*F</sup> Major elective(s) <sup>4</sup>  <i>Thematic Core Course(s)</i>	<b>Spring Semester 3</b>  Cluster Course <sup>3</sup> Major elective(s) <sup>4</sup>  <i>Advanced Integrative Seminar*</i>  <i>Thematic Core Course(s)</i>	<b>Summer 3</b>  Consider study (eg. Wheaton In programs), internship or research options
<b>Fall Semester 4</b>  Cluster Course <sup>4</sup> Major elective(s) <sup>4</sup>  <i>Thematic Core Course(s)</i>	<b>Spring Semester 4</b>  NEUR 494 Neuroscience Capstone (2) <sup>*S</sup>  <i>Thematic Core Course(s)</i>	<b>Summer 4</b>

#### Notes or Special Guidance:

\*Course has prerequisite

<sup>F</sup> Fall only course

<sup>S</sup> Spring only course

<sup>#</sup> Offered every other year

<sup>1</sup> Meets a CATC Thematic Core Tag: BIOL 241 (SP)

- <sup>2</sup>Students may decide, with their advisor's guidance, to postpone beginning Chemistry requirements until their Sophomore year.
- <sup>3</sup>Choose at least one course from the Cellular & Molecular Cluster: BIOL 323, BIOL 336, NEUR 321 or PSYC 371; and one course from the Behavioral & Cognitive Cluster: BIOL 349, PSYC 343, PSYC 345, or PSYC 351.
- <sup>4</sup>Major Electives: 12 hours. Students may take any additional 300- or 400-level Biochemistry and Molecular Biology (BMB), Biology (BIOL), Conservation and Ecological Health (CEH), Health Science (HS), or Neuroscience (NEUR) courses to fulfill their elective credit hours. Only 4 credits of 495-499 may be counted towards Elective credits.
- <sup>5</sup>Course may be taken in either Fall or Spring.

**Please review general information about MAPs to see how your path and suggested hours per semester may differ: <https://www.wheaton.edu/academics/services/academic-advising-office/major-academic-plans-maps/>**