

## Conservation and Ecological Health Major (BS)

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

### Major Academic Plan (MAP) for Catalog Year 2024-2025

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.

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| <b>Fall Semester 1</b><br><br>BIOL 241 Organization of Life <sup>F,1</sup><br>CHEM 231 General Chemistry <sup>F,2</sup><br><br><i>CORE 101: First Year Seminar</i><br><i>CORE 131: Holistic Human Flourishing (1)</i><br><br><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><br><br>BIOL 242 Diversity of Life <sup>S</sup> (or in the Summer in the Black Hills)<br>CHEM 232 General Chemistry II <sup>S</sup><br><br><i>Core Competency Course(s)</i><br><br><i>BITH 211/ARCH 211: Old Testament</i> | <b>Summer 1</b><br><br>BIOL 242 and BIOL 351*, in the Black Hills (optional)<br><br>Consider study (eg. Wheaton In programs), internship or research options |
| <b>Fall Semester 2</b><br><br>BIOL 351 Ecology and Evolution <sup>*F</sup> (or in the Summer in the Black Hills), if not complete<br>BIOL 344 Conservation Biology <sup>*4</sup><br><br><i>Core Competency Course(s)</i><br><br><i>BITH 213/ARCH 213: New Testament</i>   | <b>Spring Semester 2</b><br><br>BHS 252 Intro to Biological & Health Science Research <sup>*6</sup><br>BIOL 346 Ecosystem Health*<br><br><i>Thematic Core Course(s)</i><br><br><i>BITH 315: Christian Thought*</i>                                 | <b>Summer 2</b><br><br>BIOL 242 and BIOL 351*, in the Black Hills (optional)<br><br>Consider study (eg. Wheaton In programs), internship or research options |
| <b>Fall Semester 3</b><br><br>ENVR 212 The Dynamic Earth & Environment <sup>1,5,6</sup><br>Major Elective(s) <sup>3</sup><br><br><i>Thematic Core Course(s)</i>   | <b>Spring Semester 3</b><br><br>Major Elective(s) <sup>3</sup><br><br><i>Advanced Integrative Seminar*</i><br><br><i>Thematic Core Course(s)</i>   | <b>Summer 3</b><br><br>Consider study (eg. Wheaton In programs), internship or research options  |
| <b>Fall Semester 4</b><br><br>BHS 494 Integrated Biological & Health Scientist (2) <sup>*6,7</sup><br>Major Elective(s) <sup>3</sup><br><br><i>Thematic Core Course(s)</i>  | <b>Spring Semester 4</b><br><br>Major Elective(s) <sup>3</sup><br><br><i>Thematic Core Course(s)</i>   | <b>Summer 4</b>  |

#### Notes or Special Guidance for Majors:

\*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>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>4</sup>BIOL 344 may be taken at the same time with BIOL 351.

<sup>5</sup>ENVR 212 is cross-listed with GEOL 212.

<sup>6</sup>Course may be taken in either Fall or Spring.

<sup>7</sup>Students can take BHS 494, BMB 494 or NEUR 494 to complete the capstone requirement.

**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/>**