

Biology Major

Total Major hours: 90
Suggested hours per semester: 17-18

with Teacher Licensure (BS)

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.

Fall Semester 1 BIOL 241 Organization of Life ^{F,1} CHEM 231 General Chemistry ^{F,2} EDUC 101 The Teaching Profession (2) ¹ <i>CORE 101: First Year Seminar</i> <i>Core Competency Course(s)</i> <ul style="list-style-type: none"> ▪ COMM 101: Oral Comm (2) ▪ ENGW 103: First-Year Writing ▪ Language 	Spring Semester 1 BIOL 242 Diversity of Life ^S (or Summer in the Black Hills) CHEM 232 General Chemistry II ^{*S} EDUC 135 School & Society (2) EDUC 136 Teaching Ethnically & Linguistically Diverse Students (2) EDUC 136L Cross-Cultural Tutoring (1) <i>Language, if not complete or BITH 211/ARCH 211: Old Testament</i>	Summer 1 BIOL 242 and/or BIOL 329 in the Black Hills (optional) Consider study (eg. Wheaton In programs), internship or research options
Fall Semester 2 BIOL 329 Ecology and Evolution ^F (or Summer in the Black Hills) EDUC 225: Learning & Development EDUC 225L Teacher Aiding Practicum (1) <i>Core Competency or Thematic Core Course</i> BITH 213/ARCH 213: New Testament or BITH 211/ARCH 211: Old Testament	Spring Semester 2 BHS 252 Intro to Biological & Health Science Research ^{*3} BIOL 326 Advanced Cellular and Molecular Biology ^S EDUC 305 Learning Differences (2) BITH 315: Christian Thought [*]	Summer 2 Consider study (eg. Wheaton In programs), internship or research options
Fall Semester 3 CHEM 241 Principles of Organic Chemistry ^F EDUC 306: Classroom Comm & Curriculum Integration EDUC 405L Middle Grade Practicum (1) <i>Advanced Integrative Seminar*</i> <i>Thematic Core Course</i>	Spring Semester 3 Choice of 300-level Lab Course (4) SCI 321 Methods of Teaching High School Science (2) SCI 325 Methods of Teaching Middle Grade Science (2) EDUC 305L Learning Differences Pract (1) EDUC 324L Methods Pract (1) <i>Thematic Core Course(s)</i>	Summer 3 Consider study (eg. Wheaton In programs), internship or research options
Fall Semester 4 BHS 494 Integrated Biological & Health Scientist (2) ^{*3,4} Choice of Required Supporting Course (4) BIOL 356 Genetics ^{*F} <i>Complete CATC coursework</i>	Spring Semester 4 <i>Student teaching semester</i> EDUC 494 Senior Seminar (2) EDUC 496 Student Teaching (9-10) EDUC 497 Phil Foundations of Edu (3) ¹	Summer 4

Notes or Special Guidance:

*Course has prerequisite

^F Fall only course

^S Spring only course

[#] Offered every other year

¹ Meets a CATC Thematic Core tag: BIOL 241 (SP), EDUC 225 (SI), EDUC 497 (PI)

² Students may decide, with their advisor's guidance, to postpone beginning Chemistry requirements until their Sophomore year.

³ Course may be taken in Fall or Spring.

⁴ 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/>