

Biology Major

Total Major hours: 52
Suggested hours per semester: 16-18

Major Academic Plan (MAP) for Catalog Year 2020-2021

The catalog is the final authority on CATC and major requirements; this is intended as a tool for planning purposes. Student course sequencing may vary depending on course offerings and other variables.

<p>Fall Semester 1</p> <p>BIOL 241 Organization of Life^{F1} CHEM 231 General Chemistry²</p> <p>CORE 101: First Year Seminar CATC options-</p> <ul style="list-style-type: none"> ▪ AHS 101: Wellness (2) ▪ COMM 101: Oral Comm (2) ▪ ENGW 103: First-Year Writing ▪ Language Core Competency or Thematic Core Course 	<p>Spring Semester 1</p> <p>BIOL 242 Diversity of Life^{S3} CHEM 232 General Chemistry II*</p> <p>First-Year CATC Options Language Core Competency BITH 211/ARCH 211: Old Testament</p>	<p>Summer 1</p> <p>BIOL 242³ & BIOL 243^{3*} offered in Black Hills</p> <p>Consider study, internship or research options – Wheaton In summer program, summer research</p>
<p>Fall Semester 2</p> <p>BIOL 243 Processes of Life^{3*} CHEM 341 Organic Chem I^{F*} or CHEM 241^{F*} Principles of Organic Chem^{4*}</p> <p>Thematic Core or Core Competency Courses BITH 213/ARCH 213: New Testament</p>	<p>Spring Semester 2</p> <p>BIOL 252 Modeling Systems of Life* CHEM 342 Organic Chem II^{S*}</p> <p>Thematic Core Course BITH 315: Christian Thought* Advanced Integrative Seminar?*</p>	<p>Summer 2</p> <p>Consider study, internship or research options – Wheaton In summer program, internship, summer research</p>
<p>Fall Semester 3</p> <p>BIOL cluster elective (2-4)^{5*} BIOL cluster elective (2-4)^{5*}</p> <p>Advanced Integrative Seminar?*</p> <p>Consider semester off campus or abroad-GPS</p>	<p>Spring Semester 3</p> <p>BIOL 356 Genetics^{S, 6*} Other Science Course⁵</p> <p>Advanced Integrative Seminar?*</p>	<p>Summer 3</p> <p>Consider study, internship or research options – Wheaton In summer program, internship, summer research</p>
<p>Fall Semester 4</p> <p>BIOL 494 Integrated Biologist (2)* BIOL cluster elective (2-4)^{5*}</p> <p>Complete CATC Coursework</p>	<p>Spring Semester 4</p> <p>BIOL 494 Integrated Biologist (2)* – if not complete BIOL electives (2-6)</p> <p>Complete CATC Coursework</p>	<p>Summer 4</p>

Notes or Special Guidance for Majors:

*Course has prerequisite

^F Fall only course

^S Spring only course

Offered every other year

¹ Course that meet the CATC Thematic Core tags for the Biology major: BIOL 241 (SP)

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

³You may decide to take BIOL 242 and BIOL 243 at the Wheaton College Science Station in the Black Hills of South Dakota in the summer following your first year.

⁴CHEM 241 is a stand-alone 1-semester course; it cannot be paired with CHEM 342. If you take CHEM 241 instead of the 2 semester 341/342 sequence, you must take an additional 4 credit hours of science (non – SIP, non – AIS) approved by your advisor. Option A: CHEM 231, CHEM 232, CHEM 341, CHEM 342 or Option B: CHEM 231, CHEM 232, CHEM 241 and additional 4 credits in an approved natural science course.

⁵Take at least one course from each of the three biology clusters during any semester of sophomore, junior or senior year.

⁶You may decide to take Genetics in the spring during your sophomore, junior or senior year.

-Students with goals of Biology and a Neuroscience Certificate, Biology and Secondary Education Double Major, Postgraduate School, or goals of Medical & Health Professions please contact your Biology Faculty Advisor to effectively help plan out your four-year college schedule.