

Total Major hours: 92
Suggested hours per semester: 18

Geology Major with Secondary Education Teacher Licensure

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>GEOL 212 Dynamic Earth and Environment¹ BIOL 201 Contemporary Topics in Biology⁴</p> <p><i>CORE 101: First Year Seminar</i> <i>First Year CATC options-</i></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>GEOL 343 Fundamentals of Mineral Science (2)^{#*} EDUC 135 School & Society (2) EDUC 136 Teaching Diverse Students (2) EDUC 136L Cross-cultural Practicum (1)</p> <p><i>First Year CATC Options</i> <i>Language Core Competency</i> <i>BITH 211/ARCH 211: Old Testament</i></p>	<p>Summer 1</p> <p><i>Consider study, internship or research options –Wheaton In summer program, WIN (HoneyRock), non-major internship, summer research or other options that provide work experience, build your resume, or grow you personally.</i></p>
<p>Fall Semester 2</p> <p>GEOL 344 Igneous and Metamorphic Petrology* MATH 263 Introduction to Statistics⁴</p> <p><i>Thematic Core or Core Competency Courses (4-8)</i> <i>BITH 213/ARCH 213: New Testament</i></p>	<p>Spring Semester 2</p> <p>GEOL 443 Structural Geology^{#*} GEOL 321 Earth History and Stratigraphy¹ EDUC 225 Learning & Dev. and 225L (1)</p> <p><i>Thematic Core Course</i> <i>BITH 315: Christian Thought*</i> <i>Advanced Integrative Seminar?*</i></p>	<p>Summer 2</p> <p>GEOL 345 Sedimentary Geology (2)^{3##} GEOL 412 Field Geology (6)^{3##} or <i>Consider study, internship or research options (see faculty for advising)</i></p>
<p>Fall Semester 3</p> <p>CHEM 231 General Chemistry I MATH 231 Calculus I⁴ EDUC 306 Classroom Comm. & Curriculum Integration</p> <p><i>Advanced Integrative Seminar?*</i></p>	<p>Spring Semester 3</p> <p>GEOL 232 Environmental Geochemistry* EDUC 305L Learning Differences Practicum (1) EDUC 324L Methods Practicum Middle & High School (1) SCI 321 Science for Middle & H.S. Teachers (2)^S SCI 325 Methods of Teaching Middle Grade Science (2)^S</p>	<p>Summer 3</p> <p><i>Consider study, internship or research options –Wheaton In summer program, WIN (HoneyRock), non-major internship, summer research or other options that provide work experience, build your resume, or grow you personally.</i></p>

Fall Semester 4	Spring Semester 4	Summer 4
GEOL 494 Senior Geology Capstone (2)* GEOL 336 Process Geomorphology ^{#*} PHYS 221 General Physics I ^{F4} <i>Advanced Integrative Seminar?*</i> <i>Complete CATC Coursework</i>	EDUC 494 Senior Seminar (2) EDUC 496 Student Teaching (9) EDUC 497 Phil. Foundations of Ed (3)	

Notes or Special Guidance for Majors:

*Course has prerequisite

^F Fall only course

^S Spring only course

[#] Offered every other year

¹Classes that meet CATC Thematic Core tags: GEOL 212 (SP), GEOL 321 (SIP), ENVR/GEOL 341 (AAQR). A maximum of 3 Thematic Core tags can count toward the major and CATC requirements.

²GEOL 343, GEOL 344 and GEOL 443 must be taken in sequence prior to attending summer Field Camp (GEOL 345, GEOL 412).

³Summer only course at the Wheaton Science Center.

⁴There are 4 required supporting courses with additional alternative options. We provided a suggested sequence, but they may be interchanged and taken in any sequence:

- BIOL 201 Contemporary Topics in Biology^F
- MATH 263 Introduction to Statistics OR B EC 321 Statistics or ENVR/GEOL 341 Quantitative Methods for Environmental Analysis and Problem Solving ^{1 #S}
- MATH 231 Calculus I OR MATH 221 Applied Calculus^S
- PHYS 221 General Physics I^F