

Chemistry Major with Teaching

Total Major hours: 82
Suggested hours per semester: 18

Major Academic Plan (MAP) for Catalog Year 2026-2027

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.

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| <p>Fall Semester 1 CHEM 231: General Chemistry I^F or CHEM 341: Organic Chem. I^{*,F} MATH 235: Calculus I¹ EDUC 135 School & Society (2)⁶ EDUC 136 Teaching Ethnically & Linguistically Diverse Students (2)⁶ EDUC 136L Cross-Cultural Tutoring (0)⁶</p> <p><i>CORE 101: First Year Seminar</i> <i>CORE 131: Holistic Human Flourishing (1)</i> <i>First-Year CATC options-</i></p> <ul style="list-style-type: none"> ▪ <i>COMM 101: Oral Comm (2)</i> ▪ <i>ENGW 103: First-Year Writing</i> ▪ <i>Language Core Competency or Thematic Core Course</i> | <p>Spring Semester 1 CHEM 232: General Chemistry II^{*,S} or CHEM 342: Organic Chem. II^{*,S}</p> <p><i>First-Year CATC Options</i> <i>Language Core Competency</i> <i>BITH 211/ARCH 211: Old Testament²</i></p> | <p>Summer 1² Consider study abroad, internship, or research options – Wheaton-In summer program, WIN (HoneyRock), Wheaton in the Black Hills, non-major internship, summer research</p> |
| <p>Fall Semester 2 CHEM 341: Organic Chemistry I^{*,F}, if not complete CHEM 294: Chemistry Colloquium (1) PHYS 221 or 231: General Physics I^{1,3,F} EDUC 225 Learning & Development^{1*} EDUC 225L Teacher Aiding Practicum (1)</p> <p><i>Thematic Core or Core Competency Courses (4-8)</i> <i>BITH 213/ARCH 213: New Testament²</i></p> | <p>Spring Semester 2 CHEM 342: Organic Chemistry II^{*,S}, if not complete CHEM 294: Chemistry Colloquium (1) PHYS 222 or 232: General Physics II^{*,3,F} EDUC 305 Learning Differences (2)[*]</p> <p><i>Thematic Core Course (4-8)</i> <i>BITH 315: Christian Thought^{2*}</i></p> | <p>Summer 2² Consider summer coursework</p> |
| <p>Fall Semester 3 CHEM 355: Intro. to Analytical Chem. (2)^{*,F} CHEM 371: Physical Chem. I^{*,F} EDUC 306 Classroom Communication & Curriculum Integration^{*,F} BIOL 461: General Biochemistry^{*,F}</p> <p><i>Advanced Integrative Seminar[*]</i></p> | <p>Spring Semester 3 CHEM 336: Inorganic Chemistry^{*,S} SCI 321 Science for Middle & H.S. Teachers (2)^{S*} SCI 325 Methods of Teaching Middle Grade Science^{S*} (2) LING 326 English Language Methods for Content Area Teachers (2)^S EDUC 305L Learning Differences Practicum (1)⁷ EDUC 324L Methods Practicum (Middle & High School) (1)⁷</p> | <p>Summer 3² Consider summer coursework</p> |

| Fall Semester 4 | Spring Semester 4 | Summer 4 |
|---|--|----------|
| EDUC 494 Senior Seminar (2)* EDUC 496 Student Teaching (9)* EDUC 497 Phil. Foundations of Ed (3) ^{1,*} | CHEM 494: Chemistry in Context (2)*, ⁴ Other Science Requirement ⁵ <i>Complete CATC Coursework</i> | |

Notes or Special Guidance for Majors:

*Course has a prerequisite

^F Fall only course

^S Spring only course

[#] Offered every other year

¹Classes that meet CATC tags are MATH 231 (AAQR) and PHYS 221 or 231 (SP). Education classes that meet CATC Thematic Core tags: EDUC 225 (SI) and EDUC 497 (with EDUC 135 taken at Wheaton) meets the PI theme. Also see footnote 5. A maximum of 3 themes may be met with courses also counting for the major.

² Summer courses through Wheaton in the Northwoods or HoneyRock are encouraged to meet the CATC Shared Course requirement courses: BITH 211, 213 and 315.

³The Physics requirement can be met with either PHYS 221 and PHYS 222 or PHYS 231 and PHYS 232.

⁴The chemistry capstone course (494) is only offered in the fall, therefore all chemistry secondary education majors must student teach in their spring semester.

⁵This major requires an additional science course. Choose from: ENVR 221 (SP), ASTR 305 (SIP) or GEOL 211 (SP).

⁶EDUC 135, 136, and 136L must be taken together. All these courses are offered in the fall and the spring and should be completed in the first year.

⁷EDUC 324L and EDUC 305L are taken concurrently the semester before student teaching.