

## Major Academic Plan (MAP) for Catalog Year 2023-2024

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><b>Fall Semester 1</b> CHEM 231: General Chemistry I<sup>F</sup> or CHEM 341: Organic Chem. I<sup>*,F</sup> MATH 235: Calculus I<sup>1</sup> or 236 II<sup>*</sup></p> <p><i>CORE 101: First Year Seminar</i> <i>First-Year CATC options-</i></p> <ul style="list-style-type: none"> <li>▪ COMM 101: Oral Comm (2)</li> <li>▪ ENGW 103: First-Year Writing</li> <li>▪ Language Core Competency or Thematic Core Course</li> </ul>	<p><b>Spring Semester 1</b> CHEM 232: General Chem. II<sup>*,S</sup> or CHEM 342: Organic Chem. II<sup>*,S</sup> MATH 236: Calculus II<sup>*</sup></p> <p><i>First-Year CATC Options</i> <i>Language Core Competency</i> <i>BITH 211/ARCH 211: Old Testament</i></p>	<p><b>Summer 1</b></p> <p><i>Consider study, internship or research options – Wheaton In summer program, WIN (HoneyRock), Wheaton in the Black Hills, non-major internship, summer research</i></p>
<p><b>Fall Semester 2</b> CHEM 341: Organic Chemistry I<sup>*,F</sup>, if not complete CHEM 294: Chem. Colloquium (1)<sup>2</sup> PHYS 231: Intro. Physics I<sup>1*,F</sup></p> <p><i>Thematic Core or Core Competency Course</i> <i>BITH 213/ARCH 213: New Testament</i></p>	<p><b>Spring Semester 2</b> CHEM 342: Organic Chemistry II<sup>*,S</sup>, if not complete CHEM 294: Chem. Colloquium (1)<sup>2</sup> PHYS 232: Intro. Physics II<sup>*,S</sup></p> <p><i>Thematic Core Course</i> <i>BITH 315: Christian Thought<sup>*</sup></i></p>	<p><b>Summer 2</b></p> <p><i>Consider study, internship or research options.</i></p>
<p><b>Fall Semester 3</b> CHEM 355: Intro. to Analytical Chem. (2)<sup>*,F</sup> CHEM 371: Physical Chem. I<sup>*,F</sup></p> <p><i>Advanced Integrative Seminar?<sup>*</sup></i></p>	<p><b>Spring Semester 3</b> CHEM 336: Inorganic Chemistry<sup>*,S</sup> CHEM 455: Adv. Analytical I (2) <sup>*,S</sup> and/or CHEM elective (2 or 4)<sup>3</sup></p> <p><i>Advanced Integrative Seminar?<sup>*</sup></i></p>	<p><b>Summer 3</b></p> <p><i>Consider study, internship or research options.</i></p>
<p><b>Fall Semester 4</b></p> <p>CHEM 494: Chemistry in Context (2)<sup>*,F</sup> CHEM 457: Adv. Analytical II (2)<sup>*,F</sup> and/or CHEM elective (2)<sup>3</sup></p> <p><i>Thematic Core Course (4-8)</i> <i>Complete CATC Coursework</i></p>	<p><b>Spring Semester 4</b></p> <p>CHEM elective<sup>3</sup>, if not complete</p> <p><i>Complete CATC Coursework</i></p>	<p><b>Summer 4</b></p>

### Notes or Special Guidance for Majors:

\*Course has prerequisite

<sup>F</sup> Fall only course

<sup>5</sup> Spring only course

<sup>1</sup>Classes that meet CATC tags are MATH 231 (AAQR) and PHYS 231 (SP).

<sup>2</sup> CHEM 294 has two distinct courses that should be taken in order: first the fall course, followed by the spring course.

<sup>3</sup> Either CHEM 455 or 457 (Adv. Analytical I or II) is required (students choose which one). Additionally, two upper-level elective courses are required (4 or 6 combined hours), one of which must be a lab course (designated with an 'L' suffix). Chemistry electives include: 372<sup>\*,S</sup>, 436<sup>\*,F</sup>, 437<sup>\*,F</sup>, 455L<sup>\*,S</sup> or 457L<sup>\*,F</sup> (the one not already taken as a requirement), 461<sup>\*,S</sup>, 463L<sup>\*,S</sup>, 475L<sup>\*,S</sup>, 485L<sup>\*,S</sup>.