



## BS Engineering Distributed Engineering Concentration

Total Major hours at Wheaton: 75  
Suggested hours per semester: 16-18

### Major Academic Plan (MAP) for Catalog Year 2025-2026

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.

<b>Fall Semester 1</b>  MATH 235: Calculus I <sup>1*</sup> PHYS 231: Introductory Physics I <sup>F, 1*</sup> ENGR 101: Intro. to Engineering (1) <sup>F</sup>  <i>CORE 101: First Year Seminar</i> <i>CORE 131: Holistic Human Flourishing (1)</i> <i>ENGW 103: Writing</i>	<b>Spring Semester 1</b>  MATH 236: Calculus II* PHYS 232: Introductory Physics II <sup>S*</sup> ENGR 132: Eng. Graphics and CAD (3)  <i>COMM 101: Oral Communication (2)</i> <i>BITH or ARCH 211 Old Testament</i>	<b>Summer 1</b>  <i>Consider study, internship or research options –Wheaton In summer program, WIN (HoneyRock), Wheaton in the Black Hills, non-major internship, summer research or other options that provide work experience, build your resume, or grow you personally.</i>
<b>Fall Semester 2</b>  MATH 237: Calculus III* ENGR 211: Statics <sup>F*</sup> (3) ENGR 334: Computer Modeling of Physical Systems (2) <sup>F*</sup> ENGR 351 Analog Electronics (2) <sup>F*</sup>  <i>Language Core Competency I</i>	<b>Spring Semester 2</b>  MATH 333: Differential Equations* ENGR 212: Dynamics <sup>S*</sup> (3) ENGR 214: Inno. Design in Engr. <sup>S*</sup> (3)  <i>Language Core Competency II</i> <i>Visual and Performing Arts (2)</i>	<b>Summer 2</b>  <i>Consider study, internship or research options</i>
<b>Fall Semester 3</b>  CHEM 231: General Chemistry I <sup>F</sup> ENGR Concentration course 1 (3) ENGR Concentration course 2 (3) ENGR 313 Mechanics of Materials (3)  <i>Language Core Competency III</i>	<b>Spring Semester 3</b>  ENGR 302: Engineering Systems and Analysis <sup>S*</sup> (2) ENGR Concentration course 3 (3) ENGR Concentration course 4 (3)  <i>BITH or ARCH 213 New Testament</i> <i>Thematic Core Course<sup>2</sup></i>	<b>Summer 3</b>  <i>Consider study, internship or research options</i>
<b>Fall Semester 4</b>  Elective: Math & Science elective (2) ENGR 451: Senior Design I <sup>F</sup> ENGR Concentration course 5 (3) <sup>F*</sup>  <i>Visual and Performing Arts (2)</i> <i>BITH 315: Christian Thought*</i>	<b>Spring Semester 4</b>  ENGR 452: Senior Design II (2) <sup>S*</sup> ENGR 494: Eng. Ethics Capstone (2) <sup>S*</sup>  <i>Advanced Integrative Seminar<sup>2*</sup></i> <i>Thematic Core Courses (8)<sup>2</sup></i>	<b>Summer 4</b>  <i>Consider study, internship or research options</i>

#### Notes or Special Guidance for Majors:

\*Course has prerequisite

<sup>F</sup> Fall only course

<sup>S</sup> Spring only course

# Offered every other year

<sup>1</sup> Classes that meet CATC Thematic Core tags: MATH 231 (AAQR), PHYS 231 (SP), PSYC 101 (SI), ECON 211 (SI). General Engineering majors should use the General BA/BS checklist for CATC. A maximum of 3 tags can count for both CATC and the major.

<sup>2</sup> Double tagged courses are strongly encouraged for all CATC thematic courses.

- Please contact the Engineering Program Director, Jeff Yoder with questions. He can be reached at [jeff.yoder@wheaton.edu](mailto:jeff.yoder@wheaton.edu).