Mathematics Major

Total Major Hours: 40-46
Suggested hours per semester: 16

Major Academic Plan (MAP) for Catalog Year 2024-2025

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.

Fall Semester 1	Spring Semester 1	Summer 1
MATH 236 Calculus II*[1,2] CORE 101: First Year Seminar CORE 131: H. Human Flourishing (1) First-Year CATC options- • COMM 101: Oral Comm (2) • ENGW 103: First-Year Writing • Language Core Competency or Thematic Core Course	MATH 245 Linear Algebra* MATH 237 Calculus III* First-Year CATC Options (2-4) Language Core Competency BITH 211/ARCH 211: Old Testament	Consider study, internship, or research options – Wheaton In summer program, WIN (HoneyRock), Wheaton in the Black Hills, non-major internship, summer research at Wheaton, Research Experiences with Undergraduates (REUs), Summer Institute in Biostatistics (SIBS)
Fall Semester 2	**Spring Semester 2**	**Summer 2**
MATH 241 Introduction to Proofs* (2) or CSCI 243 Discrete Mathematics & Functional Programming[1] Thematic Core or Core Competency Courses (4-8) BITH 213/ARCH 213: New Testament	MATH 333 Differential Equations* CSCI 235 Programming I[1] OR CSCI 232 Programming for the Mathematical Sciences Thematic Core Course BITH 315: Christian Thought* Advanced Integrative Seminar?*	Consider study, internship, or research options.
Fall Semester 3	**Spring Semester 3**	**Summer 3**
MATH 363 Probability Theory* Upper level math elective course Consider semester off campus or abroad – GPS Advanced Integrative Seminar?*	Upper level math elective course Thematic Core Course Advanced Integrative Seminar?*	Consider study, internship, or research options.
Fall Semester 4	**Spring Semester 4**	**Summer 4**
Upper level math elective course Complete CATC Coursework	MATH 494 Senior Seminar (2)* Upper level math elective course Complete CATC Coursework	

Notes or Special Guidance for Majors:

*Course has prerequisite

[F] Fall only course
[S] Spring only course
[#]Offered every other year

[1]Mathematics major courses that meet CATC tags: CSCI 235 (AAQR), CSCI 243 (AAQR), MATH 235 (AAQR), Calculus AB or BC AP Exam with qualifying score (AAQR)

[2] Students not ready for Calculus II should discuss with their faculty advisor next steps.

Guidelines for determining Calculus placement:

1. Students with a score of 4 or 5 on AP Calculus BC Exam receive credit for MATH 235 (Calculus I) and MATH 236 (Calculus II). They should enroll in Math 237 (Calculus III).
2. Students with a score of 3 on the AP Calculus BC Exam or a score of 4 or 5 on the AP Calculus AB Exam receive credit for MATH 235 (Calculus I). They should enroll in MATH 236 (Calculus II).
3. Students without AP or dual enrollment credit should take the Calculus Readiness Assessment.

Last updated: 3/26/2024