Mathematics Major
with Secondary Education Concentration

| Total Major Hours: 74-78 |
| Suggested hours per semester: 16-18 |

Major Academic Plan (MAP) for Catalog Year 2021-2022

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

Calculus[1, 2]
EDUC 135 School & Society (2)
EDUC 136 Teaching Ethnically & Linguistically Diverse Students (2)
EDUC 136L (1)
 	
CORE 101: First Year Seminar
First-Year CATC options-
  ▪ *AHS 101: Wellness (2)*
  ▪ *COMM 101: Oral Comm (2)*
  ▪ *ENGW 103: First-Year Writing*
  ▪ *Language Core Competency or Thematic Core Course*
	MATH 245 Linear Algebra*
	MATH 331 Vector Calculus* (2)
	
	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), non-major internship, summer research

Fall Semester 2	**Spring Semester 2**	**Summer 2**
MATH 241 Introduction to Proofs* (2) or CSCI 243[1] MATH 301 Intro to Upper-Level Math* (2) EDUC 225 EDUC 225L (1) *Thematic Core or Core Competency Courses (4-8)* *BITH 213/ARCH 213: New Testament*	MATH 333 Differential Equations* CSCI 235[1] OR CSCI 245* *Thematic Core Course* *BITH 315: Christian Thought** *Advanced Integrative Seminar**	Consider study, internship or research options – Wheaton In summer program, WIN (HoneyRock), non-major internship, summer research
Fall Semester 3	**Spring Semester 3**	**Summer 3**
MATH 363 Probability and Statistics I* MATH 324 Methods of Teaching Mathematics (2)[4] MATH 341 Modern Algebra* EDUC 305 (2)* EDUC 306[4]* EDUC 305L (1)* EDUC 324L (1)[4]*	MATH 325 Methods of Teaching Middle Grade Mathematics (2)[4] MATH 351 Analysis I* MATH 362 Geometry* *Thematic Core Course (4-8)*	Consider study, internship or research options – Wheaton In summer program, WIN (HoneyRock), internship, summer research

Last updated 2/2/2021

Fall Semester 4	Spring Semester 4	Summer 4
MATH 494 Senior Seminar* (2)		
EDUC 494 (2)	MATH 494 Senior Seminar* (2)	
EDUC 496 (9)[4]*		
EDUC 497 (3)	*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 231 (AAQR), Calculus AB or BC AP Exam with qualifying score (AAQR)

[2]Guidelines for determining Calculus placement:

1. Students with a score of 4 or 5 on AP Calculus BC Exam should enroll in Math 234 (Calculus 2B) in A Quad and MATH 331 (Vector Calculus) in B Quad.

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 should enroll in MATH 232 (Calculus 2).

3. Students with a score of 3 on the AP Calculus AB Exam should enroll in MATH 233 (Calculus 1B) in B-Quad.

4. Students without AP or dual enrollment credit should take the Calculus Readiness Assessment.

[3]Concentrations: All math majors complete a common set of required mathematics courses in their first two years. During their sophomore year, each math major chooses one of the following four concentrations: Pure Mathematics, Statistics, Applied Mathematics, or Math and Secondary Education. Each concentration has a required set of upper-level mathematics course requirements. These requirements can be found on the department's website or in the Course Catalog.

[4] Requires acceptance into the WheTEP program.