

Mathematics Teaching Major (87-88 credit hours)

The Mathematics Teaching major is designed to prepare students for teaching mathematics in a secondary classroom and meet the licensure requirements for the state of Indiana. The primary career path for this major is a middle school or high school teacher of mathematics.

Major Requirements (44-45 credit hours):

- MATH 2010, Calculus I, 4 credit hours
- MATH 2020, Calculus II, 4 credit hours
- MATH 2200, Discrete Mathematical Structures, 4 credit hours
- MATH 2300, College Geometry, 3 credit hours
- MATH 3010, Linear Algebra, 4 credit hours
- MATH 3020, Calculus III, 4 credit hours
- MATH 3200, Mathematics Models, 3 credit hours
- MATH 4000, Problem Seminar, 2 credit hours
- MATH 4010, Probability, 3 credit hours
- MATH 4200, Abstract Algebra, 3 credit hours
- CPSC 2020, Fundamentals of Computational Thinking, 4 credit hours

Statistics Elective: 3-4 credit hours from:

- MATH 2120, Introductory Statistics with Applications, 4 credit hours
- MATH 4020, Advanced Statistics, 3 credit hours
- MATH 4700, Methods in Teaching Mathematics, 3 credit hours

Department of Teacher Education Requirements (43 credit hours):

- EDUC 2000, Teaching as a Profession, 2 credit hours
 - EDUC 2100, Child and Adolescent Development, 3 credit hours
 - EDUC 2110, Educational Psychology: Learning in the Schools, 3 credit hours
 - EDUC 2460, Teaching in a Diverse Society, 3 credit hours
 - EDUC 2520, Technology in the Classroom, 2 credit hours
 - EDUC 2860, Practicum in Secondary Education, 2 credit hours
 - EDUC 3000, Teaching Literacy Skills in Middle and High School Content Areas, 3 credit hours
 - EDUC 3100, The Middle School in the United States, 3 credit hours
 - EDUC 3120, Educational Assessment for the Classroom Teacher, 3 credit hours
 - EDUC 4010, Student Teaching, 10 hours
 - EDUC 4710, Management, Organization, and Methods in the Secondary Classroom, 3 credit hours
 - EDUC 4715, Professional Semester Preparation Seminar, 1 credit hour
 - EDUC 4930, Leadership Seminar in Character Education, 2 credit hours
 - SPED 2400, Introduction to Mild Disabilities, 3 credit hours
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- MATH 2010 is a Quantitative Ways of Knowing course in the Liberal Arts Program.
 - SPED 2400 is a Civil Discourse & Critical Reasoning course in the Liberal Arts Program.
 - EDUC 2110 is a Social & Behavioral Ways of Knowing course in the Liberal Arts Program.
 - MATH 4000 is a Speaking Intensive course in the Liberal Arts Program.
 - EDUC 3120 is a Writing Intensive course in the Liberal Arts Program.
 - EDUC 4710 is both a Speaking and Writing Intensive course in the Liberal Arts Program.
 - Majors are strongly encouraged to take HIST 2110 or 2120 to fulfill the Civic Ways of Knowing Liberal Arts

Questions? Please contact the [Department of Teacher Education](#) or the [Department of Mathematics](#).

requirement.

NOTE: All students must complete 120 total credit hours to graduate from Anderson University.

Proposed Course Sequence:

Freshman: EDUC 2000, MATH 2010, CPSC 2020; EDUC 2100, EDUC 2110, MATH 2020
 Sophomore: MATH 3010, EDUC 2460, EDUC 2860, SPED 2400; MATH 2120, MATH 2200, MATH 3020
 Junior: EDUC 2520, EDUC 3000, MATH 4010/4200; EDUC 3100, EDUC 3120, MATH 2300, MATH 3200
 Senior: EDUC 4710, MATH 4000, MATH 4010/4200, MATH 4700; EDUC 4010, EDUC 4930

Mathematics Teaching Major Suggested Course Sequence

SEMESTER 1		SEMESTER 2	
EDUC 2000	2 Hours	EDUC 2100	3 Hours
MATH 2010	4 Hours	EDUC 2110	3 Hours
CPSC 2020	4 Hours	MATH 2020	4 Hours
ENGL 1110	3 Hours	COMM 1000	3 Hours
LART 1050	1 Hour	ENGL 1120	3 Hours
Personal Wellness	2 Hours		

SEMESTER 3		SEMESTER 4	
MATH 3010	4 Hours	MATH 2120	4 Hours
EDUC 2860	2 Hour	MATH 2200	4 Hours
SPED 2400	3 Hours	MATH 3020	4 Hours
BIBL 2000	3 Hours	EDUC 2460	3 Hours
Aesthetic Ways of Knowing	3 Hours		
Civic Ways of Knowing	3 Hours		

SEMESTER 5		SEMESTER 6	
EDUC 3000	3 Hours	EDUC 2520	2 Hours
EDUC 3120	3 Hours	EDUC 3100	3 Hours
MATH 4010/4200	3 Hours	MATH 2300	3 Hours
Christian Ways of Knowing	3 Hours	MATH 3200	3 Hours
Language (Modern/Ancient)	4 Hours	Scientific Ways of Knowing	4 Hours

SEMESTER 7		SEMESTER 8	
EDUC 4710 (co-req MATH 4700)	4 Hours	EDUC 4010	10-12 Hours
EDUC 4715	1 Hour	EDUC 4930	2 Hours
MATH 4000	2 Hours		
MATH 4010/4200	3 Hours		
MATH 4700	3 Hours		
Global/Intercultural Ways of Knowing	3 Hours		

Questions? Please contact the [Department of Teacher Education](#) or the [Department of Mathematics](#).