Mathematics Teaching Major (83 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:
- EDUC 2000, Teaching as a Profession, 2 credit hours
- EDUC 2100, Child and Adolescent Development, 2 credit hours
- EDUC 2110, Educational Psychology: Learning in the School, 2 credit hours
- EDUC 2460, Teaching in a Diverse Society, 3 credit hours
- EDUC 2520, Technology in the Classroom, 3 credit hours
- EDUC 2860, Practicum in Secondary Education, 1 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, 10-22 hours
- EDUC 4710, Management, Organization, and Methods in the Secondary Classroom, 4 credit hours
- EDUC 4930, Leadership Seminar in Character Education, 2 credit hours
- MATH 4700, Methods in Teaching Mathematics, 2 credit hours
- SPED 2400, Introduction to Mild Disabilities, 3 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 4000, Problem Seminar, 2 credit hours
- MATH 4100, Real Analysis, 3 credit hours
- MATH 4200, Abstract Algebra, 3 credit hours

4 credit hours from:
- MATH 2120, Introductory Statistics with Applications, 4 credit hours OR
- MATH 4010, Mathematical Statistics, 4 credit hours

One course from:
- MATH 3100, Differential Equations, 3 credit hours
- MATH 3200, Mathematics Models, 3 credit hours
- MATH 3300, Numerical Analysis, 3 credit hours
- MATH 3400, Mathematics of Finance, 3 credit hours

Liberal Arts Requirements:
- Majors are strongly encouraged to take HIST 2110 or 2120 for meeting the Civic Ways of Knowing liberal arts requirement.
- Majors are strongly encouraged to take ENGL 1400 for meeting the Aesthetic Ways of Knowing liberal arts requirement.

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

Questions? Please contact the Department of Teacher Education or the Department of Mathematics.

Proposed Course Sequence:

Freshman: EDUC 2000, MATH 2010; EDUC 2100, 2110, MATH 2020
Sophomore: MATH 3010, SPED 2400; MATH 2120, MATH 2200, MATH 3020
Junior: EDUC 3000, MATH 4200; EDUC 2520, EDUC 3100, MATH 2300, MATH 3100/3200
Senior: EDUC 3120, EDUC 4710, MATH 4000, MATH 4100, MATH 4700; EDUC 4010, EDUC 4930

Mathematics Teaching Major Suggested Course Sequence

SEMESTER 1		SEMESTER 2	
EDUC 2000	2 Hours	EDUC 2100	2 Hours
MATH 2010	4 Hours	EDUC 2110	2 Hours
ENGL 1100/ENGL 1110	3-4 Hours	MATH 2020	4 Hours
LART 1050	1 Hour	ENGL 1120	3 Hours
Foreign Language	4 Hours	LART 1100	2 Hours
Personal Wellness	2 Hours	COMM 1000	3 Hours

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

SEMESTER 5		SEMESTER 6	
EDUC 3000	3 Hours	EDUC 2520	3 Hours
MATH 4200	3 Hours	EDUC 3100	2 Hours
Christian Ways of Knowing	3 Hours	MATH 2300	3 Hours
Social & Behavioral Ways of Knowing	3 Hours	MATH 3100/MATH 3200	3 Hours
		Scientific Ways of Knowing	4 Hours

SEMESTER 7		SEMESTER 8	
EDUC 3120	3 Hours	EDUC 4010	10-12 Hours
EDUC 4710	4 Hours	EDUC 4930	2 Hours
MATH 4000	2 Hours		
MATH 4100	3 Hours		
MATH 4700	2 Hours		
Global/Intercultural Ways of Knowing	3 Hours		

Questions? Please contact the Department of Teacher Education or the Department of Mathematics.