Mathematics Teaching Major (38 credit hours) 2018-2019

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, Exploring the Multicultural Classroom, 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
- 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.

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