

This program sheet is effective for all students starting at IUB beginning summer 2018.

LICENSE ADDITION: MATHEMATICS (MIDDLE GRADES)



INDIANA UNIVERSITY

SCHOOL OF EDUCATION
Office of Teacher Education
Bloomington

The Middle Grades Mathematics License Addition can be added to an Elementary or Secondary License. This program is only available to students pursuing their first education degree. A grade of "C" or higher in each course and a minimum 2.5 GPA in the license addition is required.

May 2018

- NOTE:**
- It may not be possible to complete this license addition as part of a four-year undergraduate degree program. A graduate option is available.
 - An unlimited number of education courses may double count for both an education program and a license addition.
 - An unlimited number of education courses may double count for multiple license additions.
 - Only one (1) course may double count for both a license addition and an academic minor.

ELEMENTARY & ELEMENTARY SPECIAL EDUCATION OPTION

32 credits/2.5 GPA

A grade of C or higher is required in each course.

Required	8 credits
MATH-M/S 211	<i>Calculus I (P: 2 yrs of HS algebra, 1 yr of HS geometry, pre-calculus math (or its equiv.), and trigonometry; or both M 25 & M 26) (MM) (N&M)</i> 4
MATH-M/S 212	<i>Calculus II (P: M/S 211) (N&M)</i> 4

Electives	9 credits
Complete 9 additional credits of math electives. To be chosen from those listed below <u>or</u> from other courses approved by a math education faculty member.	
MATH-M 365	<i>Intro to Probability and Statistics (P: M/S 212)</i> 3
MATH-M 330	<i>Exploring Mathematical Ideas (P: M/S 211)</i> 3
MATH-M 380	<i>History of Mathematics (P: M/S 212)</i> 3
MATH-T 336	<i>Topics in Euclidean Geometry (P: M/S 212) (Fall)</i> 3

Professional Education	9 credits
Must be admitted to the Teacher Education Program to enroll in these courses. Exception: EDUC-P313	
EDUC-P 313	<i>Adolescents in a Learning Community (P: Soph. status)</i> 3
EDUC-N 310	<i>Mathematics in Middle School (P/C: EDUC-E 343) (Fall)</i> 3
EDUC-N 443	<i>Teaching Elementary Math Problem Solving (P/C: EDUC-E 343) (Spring)</i> 3

Student Teaching/Practicum	6 credits
Successful completion of all courses listed above is a prerequisite for the student teaching practicum.	
EDUC-M 470	<i>Student Teaching Practicum (6 weeks)</i> 6

SECONDARY & ALL-GRADES OPTION

With a non-math content field

32-33 credits/2.5 GPA

A grade of C or higher is required in each course.

Required	8 credits
MATH-M/S 211	<i>Calculus I (P: 2 yrs of HS algebra, 1 yr of HS geometry, pre-calculus math (or its equiv.), and trigonometry; or both M 25 & M 26) (MM) (N&M)</i> 4
MATH-M/S 212	<i>Calculus II (P: M/S 211) (N&M)</i> 4

Electives	9 credits
Complete 9 additional credits of math electives. To be chosen from those listed below <u>or</u> from other courses approved by a math education faculty member.	
MATH-M 365	<i>Intro to Probability and Statistics (P: M/S 212)</i> 3
MATH-M 330	<i>Exploring Mathematical Ideas (P: M/S 211)</i> 3
MATH-M 380	<i>History of Mathematics (P: M/S 212)</i> 3
MATH-T 336	<i>Topics in Euclidean Geometry (P: M/S 212) (Fall)</i> 3

Elementary School Math	9-10 credits
EDUC-N 101	<i>Teach & Learn Elem School Math OR</i> 3
MATH-T 101	<i>Mathematics for Elem. Teachers 1 Mathematical Modeling</i> 3-4
EDUC-N 103	<i>Teach. & Learn. Elem. Sch. Math II (P: EDUC-N 101 or MATH-T 101 with a grade of C or higher) OR</i> 3
MATH-T 103	<i>Mathematics for Elem. Teachers 3 (P: EDUC-N 101 or MATH-T 101 with a grade of C or higher)</i> 3

Professional Education	6 credits
Must be admitted to the Teacher Education Program to enroll in these courses.	
Contact the Math Education Department for permission to register for the following courses.	
EDUC-N 310	<i>Mathematics in Middle School (Fall)</i> 3
EDUC-N 443	<i>Teaching Elem Math Problem Solving (Spring)</i> 3