

This program sheet is effective for all students starting at IUB beginning summer 2020.



INDIANA UNIVERSITY

SCHOOL OF EDUCATION
Office of Teacher Education
Bloomington

LICENSE ADDITION: MATHEMATICS (MIDDLE GRADES)

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 2020

- 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 MATH-M 25 and MATH-M 26) (MM) (N&M)</i>	4
MATH-M/S 212	<i>Calculus II (P: MATH-M/S 211) (N&M)</i>	4

Electives 9 credits

Complete 9 additional credits of math electives at the 300-400 level. The following are recommended.

MATH-M 365	<i>Introduction to Probability and Statistics (P: MATH-M/S 212)</i>	3
MATH-M 330	<i>Exploring Mathematical Ideas (P: MATH-M/S 211)</i>	3
MATH-M 380	<i>History of Mathematics (P: MATH-M/S 212)</i>	3
MATH-T 336	<i>Topics in Euclidean Geometry (P: MATH-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-P 313**

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 Mathematics 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
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SECONDARY & ALL-GRADES OPTION

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 MATH-M 25 and MATH-M 26) (MM) (N&M)</i>	4
MATH-M/S 212	<i>Calculus II (P: MATH-M/S 211) (N&M)</i>	4

Electives 9 credits

Complete 9 additional credits of math electives at the 300-400 level. The following are recommended.

MATH-M 365	<i>Introduction to Probability and Statistics (P: MATH-M/S 212)</i>	3
MATH-M 330	<i>Exploring Mathematical Ideas (P: MATH-M/S 211)</i>	3
MATH-M 380	<i>History of Mathematics (P: MATH-M/S 212)</i>	3
MATH-T 336	<i>Topics in Euclidean Geometry (P: MATH-M/S 212) (Fall)</i>	3

Elementary School Math 9-10 credits

EDUC-N 101	<i>Teach & Learn Elementary Math</i>	3
_____	<i>Mathematical Modeling</i>	3-4
EDUC-N 103	<i>Teaching & Learning Elementary School Math II (P: EDUC-N 101)</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 Mathematics Problem Solving (Spring)</i>	3