

LICENSE ADDITION: MATHEMATICS (MIDDLE GRADES)



INDIANA UNIVERSITY

SCHOOL OF EDUCATION
Office of Teacher Education
Bloomington

The State of Indiana has authorized Indiana University School of Education to offer License Additions in selected areas. 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.

It may not be possible to complete this license addition as part of a four year undergraduate degree program. A graduate option is available.

May 2016

NOTE: Students are strongly encouraged to seek advising from a math education faculty member if considering this license addition. The faculty can explain how this program of study works, and of other possible math course options.

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 or from other courses approved by a math education faculty member.

MATH-K 310	<i>Statistical Techniques (P: M 119 or Equiv.) OR</i>	3
MATH-M 365	<i>Intro to Probability & Statistics (P: M/S 212)</i>	
MATH-M 330	<i>Exploring Math 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 (P: 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 (Permission to register is required.)</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
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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 or from other courses approved by a math education faculty member.

MATH-K 310	<i>Statistical Techniques (P: M 119 or Equiv.) OR</i>	3
MATH-M 365	<i>Intro to Probability & Statistics (P: M/S 212)</i>	
MATH-M 330	<i>Exploring Math 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</i>	
MATH-M/S/V 118	<i>Finite Mathematics (MM, N&M) OR</i>	3-4
MATH-D 116	<i>Intro. to Finite Math I AND</i>	
MATH-D 117	<i>Intro to Finite Math II (MM, N&M)</i>	
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>	

Professional Education 6 credits (P: 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 ProbSolving (Spring)</i>	3