



INDIANA UNIVERSITY

SCHOOL OF EDUCATION
Office of Teacher Education
Bloomington

LICENSE ADDITION: MATHEMATICS (MIDDLE GRADES)

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 teacher candidates who are in the process of completing an initial license in a recognized Elementary or Secondary Teacher Education Program. A "C" or higher grade in each professional education course and a minimum 2.5 GPA in the license addition is required. The program has competitive enrollment.

In most cases it may not be possible to complete this license addition as part of a four year undergraduate degree program. A graduate option is available. Students should check with the Math Education Department to see when the education courses are generally offered.

Elementary Option:

Required Courses	23
Electives	<u>9</u>
Total	32 credits

Secondary Option:

Required Courses	23
Electives	<u>9</u>
Total	32 credits

June 2009

ELEMENTARY LICENSE ADDITION

Required Courses 23 credits

EDUC-N 443	Teaching Elementary Math Problem Solving (P/C: EDUC-E 343) (Spring only)	3
EDUC-N 310	Topics in Middle Grade Math (P: EDUC E343) (Fall only)	3
EDUC-M 470	Student Teaching Practicum (9 weeks)	9
MATH-M 211	Calculus I	4
MATH-M 212	Calculus II (P: M211)	4

Electives 9 credits

Choose remaining credits from the following courses:

MATH-K 300	Statistical Techniques (P: M014 or equivalent. R: M118) OR	3
MATH-K310	Statistical Techniques (P:M119 or Equivalent) OR	
MATH-M 365	Intro to Probability & Statistics (P: M212)	
MATH-M 330	Exploring Math Ideas (P: M211) (Spring only)	3
MATH-M 380	History of Mathematics (P: M212) (Fall only)	3
MATH-T 336	Topics in Euclidean Geometry (P: M212) (Fall only)	3

SECONDARY LICENSE ADDITION (WITH A DIFFERENT CONTENT FIELD)

Required Courses 23 credits

EDUC-N 101	Mathematics for Elementary Teachers 1 OR	
MATH-T 101	Mathematics for Elementary Teachers 1	3
EDUC-N 102	Mathematics for Elementary Teachers 2 OR	3
MATH-T 102	Mathematics for Elementary Teachers 2	
EDUC-N 103	Mathematics for Elementary Teachers 3 OR	3
MATH-T 103	Mathematics for Elementary Teachers 3	
EDUC-N 310	Topics in Middle Gr. Math (P: EDUC E343) (Fall only)	3
EDUC-N 443	Teaching Elementary School Math Problem Solving (P/C: EDUC-E 343) (Spring only)	3
MATH-M 211	Calculus I	4
MATH-M 212	Calculus II (P: M211)	4

Electives 9 credits

Choose remaining credits from the following courses:

MATH-K 300	Statistical Techniques (P: M014 or equivalent. R: M118) OR	3
MATH-K310	Statistical Techniques (P:M119 or Equivalent) OR	
MATH-M 365	Intro to Probability & Statistics (P: M212)	
MATH-M 330	Exploring Math Ideas (P: M211) (Spring only)	3
MATH-M 380	History of Mathematics (P: M212) (Fall only)	3
MATH-T 336	Topics in Euclidean Geometry (P: M212) (Fall only)	3