



INDIANA UNIVERSITY
KOKOMO

DIVISION OF EDUCATION

BACHELOR of SCIENCE in SECONDARY EDUCATION

The Professional Educator Model Program Guide
Early Adolescence and Adolescence Young Adult
Licensure: 5-12

Mathematics Teaching Major

Last Name _____

First Name _____

IU ID # _____

IUK Email _____

GENERAL EDUCATION REQUIREMENTS

(Must have a minimum total of 38 credit hours and
all Fundamental Skills courses must have a grade of at least C)

FUNDAMENTAL SKILLS (Minimum of 15 credit hours required)	Course Taken	Credit Hours	Grade
ENG W131 Elementary Composition (3)			
ENG W132 Elementary Composition II (3)			
SPCH S121 Public Speaking (3)			
DPIS D250 Multimedia (3)			
<i>One of the following:</i> MATH M125 Pre-Calculus Mathematics (3) MATH M118 Finite Mathematics (3) MATH M119 Survey of Calculus (3) MATH M215 Calculus I (3)			
Total			

NATURAL SCIENCES (Minimum of 8 credit hours required. Select from at least two of the following groups, one laboratory experience must be included)	Course Taken	Credit Hours	Grade
<i>Life Science</i> BIOL L100 Man and the Biological World (5) BIOL L105 Introduction to Biology (5) BIOL L270 Humans & Microorganisms (3) ANAT A215 Basic Human Anatomy (5) PHSL P215 Basic Human Physiology (5) PLSC B203 Survey of the Plant Kingdom (5) PLSC B364 Summer Flowering Plants (5)			
<i>Physical Science</i> PHYS P100 Physics in the Modern World (5) PHYS P201 General Physics I (5) CHEM C100 The World of Chemistry (3) and CHEM C120 Lab (2) CHEM C101 Elementary Chemistry I (3) and CHEM C121 Lab (2) CHEM C105 Principles of Chemistry (3) and CHEM C125 Lab (2) CHEM C390 Environmental Science (3)			

<i>Earth/Space Science</i>			
AST A100 The Solar System (3)			
GEOL G107 Physical Systems of the Environment (3)			
COAS E105 Topics in Natural and Math Sciences (3)			
Total			

SOCIAL AND BEHAVIORAL SCIENCES (Minimum of 9 credit hours required. Select from at least two of the following groups)	Course Taken	Credit Hours	Grade
<i>History</i>			
HIST H105 American History I (3)			
HIST H106 American History II (3)			
HIST H113 History of Western Civ. I (3)			
HIST H114 History of Western Civ. II (3)			
ANTH A103 Human Origins & Prehistory (3)			
ANTH A104 Culture and Society (3)			
<i>Sociology and Psychology</i>			
SOC S100 Introduction to Sociology (3)			
SOC S101 Social Problems and Politics (3)			
PSY P103 General Psychology (3)			
<i>Political Science and Economics</i>			
SPEA J101 The Am. Criminal Justice Sys. (3)			
POLS Y103 Intro. to American Politics (3)			
POLS Y217 Intro. to Comparative Policies (3)			
POLS Y219 Introduction to World Politics (3)			
ECON E175 Survey of Econ. for Teachers (3)			
ECON E201 Intro. to Micro Economics (3)			
ECON E202 Intro. to Macro Economics (3)			
COAS E104 Topics in Social and Behavioral Sciences (3)			
Total			

HUMANITIES (Minimum of 6 credit hours required. Select from at least two of the following groups)	Course Taken	Credit Hours	Grade
<i>Literature</i>			
ENG L101 Western World Masterpieces I (3)			
ENG L102 Western World Masterpieces II (3)			
ENG W203 Creative Writing (3)			
FOLK F101 Introduction to Folklore (3)			
AFRO A150 Sur. of Culture of Black Am. (3)			
CLAS C205 Classical Mythology (3)			
CMLT C190 An Introduction to Film (3)			
<i>Fine Arts</i>			
FINA A101 Ancient & Medieval Art (3)			
FINA A102 Renaissance Thru Modern Art (3)			
FINA A108 Art of the Western World (3)			
MUS M174 Appreciation to Music (3)			
THTR C130 Introduction to Theater (3)			
THTR T120 Acting I (3)			
SPCH C205 Intro. to Oral Interpretation (3)			
HUMA U103 Introduction to Creative Arts (3)			

<i>Philosophy</i> PHIL P100 Introduction to Philosophy (3) PHIL P140 Elementary Ethics (3) PHIL P145 Introduction to Social and Political Philosophy (3) PHIL P150 Elementary Logic (3) PHIL P242 Applied Ethics (3) REL R152 Intro. to Religions of the West (3) REL R233 Introduction to the Hebrew Bible – Old Testament (3) REL R243 Intro. to the New Testament (3)			
<i>Communications</i> JOUR C200 Intro. to Mass Com. (3) SPCH S122 Interpersonal Communications (3) SPCH S205 Intro. to Speech Com. (3) SPCH S223 Business and Prof. Speaking (3) SPCH S229 Discuss. and Group Methods (3) SPCH S233 Intro. to Public Relations (3) JOUR J200 Writing for Mass Media (3)			
COAS E103 Topics in Arts and Humanities (3)			
	Total		

TEACHING MAJOR REQUIREMENTS

Teaching major requirements are fulfilled by completing a total of 36 credit hours in Mathematics. (Minimum GPA of 2.5 in teaching major and no grade less than C in the teaching major is required.) Indiana Division of Professional Standards requires you to complete courses that meet all the following principles. Once those principles are met, you may select any other of the listed possible courses in the licensure area to attain the minimum hour requirement for the teaching major.

Principles	Required IU Kokomo Courses	Course Taken	Hours	Grade
Number Systems and Algebra	M303			
	M403			
Geometry and Measurement	T336			
Statistics and Probability	M360			
	M366			
Calculus	M215			
	M216			
	M311			
Discrete Mathematics	M447 or M347			
		Additional Courses	Hours	Grade
		Total		

*Other possible IU Kokomo courses: Elementary Differential Equations with Applications M313; Elementary Complex Variables with Applications M415; Introduction to Modern Algebra II M404; Introduction to Analysis I-II M413-M414; Mathematical Models and Applications II M448; Numerical Analysis I-II M471-M472; Visual Basic.net C297; C++ or JAVA C309

PROFESSIONAL EDUCATION REQUIREMENTS
(All courses must have minimum grade of C+)

Core I: Pre-professional (12 credit hours)	Course Taken	Credit Hours	Grade
EDUC M101 Introduction to Education			
EDUC P253 Educational Psychology for Secondary Teachers			
EDUC K205 Introduction to Exceptional Children			
DPIS D250 Multimedia			
	Total		

REQUIREMENTS for ADMISSION to TEACHER EDUCATION PROGRAM
(on transcript EDUC-M299)

Submit application for admission to the Teacher Education Program and permission to take courses in Cores II, III, and IV.

Admission to TEP Requirements:

Passage of PRAXIS I (PPST) (on transcript EDUC-M199)	Minimum Score	Score	Date
Reading	176		
Writing	172		
Mathematics	175		

Minimum Overall GPA of 2.5

Minimum GPA in Teaching Major courses of 2.5 as well as no grade less than a C

Completion of at least 55 credit hours of General Education and/or Teaching Major credit hours

Completion of W131, W132, S121, M118/M125 with a grade of C or better

Completion of Core I with a grade of C+ or better

Faculty Approval for Continuation

Cores II, III, and IV (18 credit hours)			
Core II (FALL semester)	Course Taken	Credit Hours	Grade
EDUC M312 General Methods Jr/High Middle			
EDUC S487 Principles of Senior High/Junior High/Middle School Education			
Core III (SPRING semester)	Course Taken	Credit Hours	Grade
EDUC M457 Methods of Teaching SH/JH/MD Mathematics			
SOC S100 Introduction to Sociology or approved multicultural course			
Core IV (FALL semester)	Course Taken	Credit Hours	Grade
EDUC M464 Methods of Teaching Reading			
EDUC H340 Education and American Culture			
	Total		

Admission to Core V Requirements

Passage of PRAXIS II Teaching Major Areas	Score	Date

Core V (SPRING semester) (15 credit hours)	Course Taken	Credit Hours	Grade
EDUC M480 Student Teaching Secondary			
EDUC M440 Teaching Problems and Issues Seminar			
	Total		

NOTE: At the completion of each CORE, faculty review and approval are required as conditions for program continuation