

MATHEMATICS EDUCATION
Grade Level 5-12
REPA 3

NOT VALID WITHOUT OFFICIAL TRANSCRIPT EVALUATION

<u>CONTENT</u>	<u>Semester Hours</u>
MA 35100 Elementary Linear Algebra	3
MA 36600 Ordinary Differential Equations	4
MA 37500 Introduction to Discrete Mathematics	3
MA 46000 Geometry	3
STAT 31100 Introductory Probability	3
STAT 35000 Introduction to Statistics ¹	3
<i>One of the following:</i>	3
MA 30100 An Introduction to Proof Through Real Analysis (3)	
MA 34100 Foundations of Analysis (3)	
<i>One of the following:</i>	3
MA 45000 Algebra (Honors) (3)	
MA 45300 Elements of Algebra I (3)	
<i>One of the following (Calculus I Selective):</i>	4-5
MA 16100 Plane Analytic Geometry and Calculus I (5)	
MA 16500 Analytic Geometry and Calculus I (4)	
<i>One of the following (Calculus II Selective):</i>	4-5
MA 16200 Plane Analytic Geometry and Calculus II (5)	
MA 16600 Analytic Geometry and Calculus II (4)	
<i>One of the following: (Calculus III Selective)</i>	4-5
MA 26100 Multivariate Calculus (4)	
MA 27101 Honors Multivariate Calculus (5)	
<i>One of the following:</i>	3-4
CS 15800 C Programming (3)	
CS 15900 Programming Applications for Engineers (3)	
CS 17700 Programming with Multimedia Objects (4)	
CS 18000 Problem Solving and Object-Oriented Programming (4)	
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Total Content 43-47	

¹The higher grade between STAT 35000 or other 300-level or higher MA selective is used toward content GPA. Other selective cannot be MA 30300, MA 30400, or MA 37300. Suggested selective courses can be found at www.math.purdue.edu/academic/undergrad/selectives.

Note: A course cannot be counted in two areas.

(Mathematics Continued)

**Semester
Hours**

PROFESSIONAL EDUCATION

Foundation Courses

EDCI	20500	Exploring Teaching as a Career	3
EDCI	27000	Introduction to Educational Technology and Computing	3
EDCI	28500	Multiculturalism and Education	3
EDPS	23500	Learning and Motivation	3
EDPS	26500	The Inclusive Classroom	3
EDST	20010	Educational Policies and Laws	1
EDPS	32700	Assessment Literacy	1-2
EDPS	XXXXX	Secondary Classroom Management course ²	1

²If EDPS XXXXX is offered, students should make every attempt to take EDPS 32700 for one (1) credit and EDPS XXXXX for one (1) credit. If EDPS XXXXX is not offered, EDPS 32700 should be taken for two (2) credits.

Methods Courses

EDCI	42500	Teaching of Mathematics in Secondary Schools ²	3
EDCI	42600	Teaching Mathematics in the Middle and Junior High School	2
EDCI	49800	Supervised Teaching	10

Total Professional Education 33

²This course includes the completion of a reading module.