

Departmental/Program Major Courses (98-115 credits)

Required Major Courses (44-47 credits): Average GPA in courses below [higher of grade between STAT 35000 and MA Selective is used] must be 2.50

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|-------|-------|---|
| _____ | (4-5) | Calculus I Option – Select from MA 16100, MA 16500 (<i>satisfies Quantitative Reasoning for core</i>) ^{cc} |
| _____ | (4-5) | Calculus II Option – Select from MA 16200, MA 16600 (<i>satisfies Quantitative Reasoning for core</i>) |
| _____ | (4-5) | Calculus III Option – Select from MA 26100, MA 27101 (<i>satisfies Quantitative Reasoning for core</i>) |
| _____ | (3) | MA 35100 Elementary Linear Algebra |
| _____ | (4) | CS 17700 Programming With Multimedia Objects (<i>satisfies Computing Requirement</i>) |
| _____ | (3) | MA 46000 Geometry (Fall Only) |
| _____ | (3) | MA 37500 - Introduction To Discrete Mathematics |
| _____ | (3) | STAT 31100 Introductory Probability or MA/STAT 41600 Probability or STAT 51600 - Basic Probability And Applications |
| _____ | (3) | MA 30100 An Introduction To Proof Through Real Analysis |
| _____ | (3) | STAT 35000 Introduction To Statistics (<i>satisfies Statistics Requirement</i>) |
| _____ | (4) | MA 36600 Ordinary Differential Equations |
| _____ | (3) | MA 45300 - Elements Of Algebra I or MA 45000 - Algebra Honors |
| _____ | (3) | MA Selective: MA Elective must be 300 level or higher (CANNOT be MA 373, 303, 304) |

Educational Program Course Requirements (33 credits) Average GPA in courses must be 3.00 – no grade lower than C-

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|-------|------|---|
| _____ | (3) | EDCI 27000 Introduction To Educational Technology And Computing |
| _____ | (3) | EDCI 20500 Exploring Teaching As A Career |
| _____ | (3) | EDCI 28500 Multiculturalism And Education (<i>satisfies Behavior/Social Science for core</i>) (<i>satisfies Language III</i>) |
| _____ | (3) | EDPS 23500 Learning And Motivation (<i>satisfies Behavior/Social Science for core</i>) (<i>satisfies General Education Requirement</i>) |
| _____ | (3) | EDPS 26500 The Inclusive Classroom (<i>satisfies Behavior/Social Science for core</i>) |
| _____ | (1) | EDST 20010 Educational Policies and Laws |
| _____ | (2) | EDPS 32700 Assessment Literacy |
| _____ | (3) | EDCI 42500 Teaching of Mathematics in Secondary Schools (<i>satisfies Multidisciplinary Requirement</i>) |
| _____ | (2) | EDCI 42600 Teaching Mathematics In The Middle And Junior High School |
| _____ | (10) | EDCI 49800 Supervised Teaching (<i>satisfies Teamwork Experience requirement</i>) |

Other Departmental /Program Course Requirements (21-35 credits)

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|-------|--------------------------|--|
| _____ | Met within Major | Calculus I Option – Select from MA 16100, MA 16500 (<i>satisfies Quantitative Reasoning for core</i>) ^{cc} |
| _____ | Met within Major | Calculus II Option – Select from MA 16200, MA 16600 (<i>satisfies Quantitative Reasoning for core</i>) |
| _____ | | (3-4) ENGL 10600 or ENGL 10800 - (<i>satisfies Written Communication and Information Literacy for core</i>) |
| _____ | | (0-4) Language I Option* (<i>Select courses COULD satisfy Human Cultures Humanities for core</i>) |
| _____ | | (0-4) Language II Option* (<i>Select courses COULD satisfy Human Cultures Humanities for core</i>) |
| _____ | Met with ED requirements | Language III/Culture/Diversity Option* (<i>Select courses COULD satisfy Human Cultures Humanities for core</i>) |
| _____ | | (3-6) Technical Writing Option and Technical Presenting Option (<i>Select courses COULD satisfy Oral Communication for core</i>) |
| _____ | | (3-4) Laboratory Science I Option (<i>satisfies Science Selective for core</i>) |
| _____ | | (3-4) Laboratory Science II Option (<i>satisfies Science Selective for core</i>) |
| _____ | | (3) General Education I Option (<i>Select courses COULD satisfy Human Culture Behavioral/Social Science or Humanities for core</i>) |
| _____ | | (3) General Education II Option (<i>Select courses COULD satisfy Human Culture Behavioral/Social Science or Humanities for core</i>) |
| _____ | Met with ED requirements | General Education II Option (<i>Select courses COULD satisfy Human Culture Behavioral/Social Science or Humanities for core</i>) |
| _____ | Met within Major | STAT 35000 Introduction To Statistics |
| _____ | Met within Major | Computing Option |
| _____ | Met with ED requirements | Teambuilding and Collaboration Experience* |
| _____ | | (3) Great Issues Option |
| _____ | Met with ED requirements | Multidisciplinary Experience* (<i>Select courses COULD satisfies Science, Technology, and Society Selective for core</i>) |

*Requirement may be met with a zero credit experiential learning option. See your advisor for more information

Electives (5-22 credits)

_____ () _____ () _____ () _____ () _____ () _____ ()

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			

The student is ultimately responsible for knowing and completing all degree requirements.

(Degree Works) MyPurduePlan is knowledge source for specific requirements and completion

Mathematics Education

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4-5	Calculus I Option ^{cc}	ALEKS 85	4-5	Calculus II Option	Calculus I C- or higher
3-4	ENGL 10600/10800		4	CS 17700 Programming With Multimedia Objects	
3-4	Language I Option		3-4	Language II Option	Language 10100
1	Free Elective (MA 10800)		1	Free Elective	
3	EDCI 20500 Exploring Teaching As A Career		3	EDCI 28500 Multiculturalism And Education	
1	Free Elective				
15-18			15-17		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4-5	Calculus III Option	Calculus II C- or higher	3	MA 37500 Introduction To Discrete Mathematics	Calculus III C- or higher
3	MA 46000 Geometry	Calculus II C- or higher	3	STAT 31100 Introductory Probability (or STAT/MA 41600 or STAT 51600)	Calculus II C- or higher
3-4	Laboratory Science I Option		3-4	Laboratory Science II Option	Lab Sci Option I
3	EDCI 27000 Introduction To Educational Technology And Computing		3-6	Technical Writing Option and Technical Presenting Option (COM 21700)	
3	Free Elective		0-3	Free Elective	
16-18			15-16		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	MA 30100 An Introduction To Proof Through Real Analysis	Calculus II C- or higher	3	STAT 35000 Introduction To Statistics	Calculus II C- or higher
3	MA 35100 Elementary Linear Algebra	Calculus III C- or higher	4	MA 36600 Ordinary Differential Equations	co-req or pre MA 35100 C- or higher
3	EDPS 23500 Learning And Motivation		3	Great Issues Option	Jr/Sr Standing; may require COM or ENGL
3	EDPS 26500 The Inclusive Classroom		2	EDPS 32700 Assessment Literacy (2 cr) OR EDPS 32700 Assessment Literacy (1 cr) AND EDPS 49100 Secondary Create & Mgt Environ (1 credit) - RECOMMENDED	EDPS 23500
1	EDST 20010: Educational Policies and Law		3	General Education Option I	
3	Free Elective				
16			15		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	MA 45300 or MA 45000	MA 35100 C- or higher	2	EDCI 42600 Teaching Mathematics In The Middle And Junior High School	EDCI 20500, 28500, 42500 and EDPS 23500, 26500 (C- or better)
3	MA Selective	Varies by Class	10	EDCI 49800 Supervised Teaching	EDCI 20500, 28500 and EDPS 23500, 26500 (C- or better)
3	General Education Option II				
3	EDCI 42500 Teaching of Mathematics in Secondary Schools	EDCI 20500, 28500 and EDPS 23500, 26500 (C- or better)			
4	Free Elective (Science, Technology & Society Selective Course)				
15			12		

^{cc} Identified as a critical course. Student should earn minimum of a B- see advisor for further details.

Courses in () are recommended.

Students must earn a 2.5 average in MATH/STAT/CS courses required for major.

120 semester credits required for Bachelor of Science degree.

2.5 Graduation GPA required for Bachelor of Science degree.

*For Licensing – Students must pass GATE C

The student is ultimately responsible for knowing and completing all degree requirements.

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