

# Plan of Study

## Mathematics

### Freshman Year First Semester

Credits	Course Number	Title
4	Elective	Science Elective I
3		Modern Language I
3	ENGL 10100	English Composition I
5	MA 16700	Plane Analytical Geometry & Calculus I
15		

### Second Semester

3		Modern Language II
3	ENGL 10200	English Composition II
5	MA 16900	Plane Analytical Geometry and Calculus II
4	Elective	Science Elective
1	EDCI 10500	Introduction to Teaching Seminar
16		

### Sophomore Year First Semester

Credits	Course Number	Title
3	Elective	Social Science Elective
3	EDCI 20500	Exploring Teaching as a Career
3	EDCI 28600	Multiculturalism in Secondary Classrooms
3	CS 20600	Computer Algebra and Programming
4	MA 26100	Multivariable Calculus
16		

### Second Semester

3	Elective	Social Science Elective
3	EDST 20000	History and Philosophy of Education
3	EDCI 27200	Integrating Technology in the Classroom
4	MA 26200	Linear Algebra & Differential Equations
3	MA 35100	Elementary Linear Algebra
16		

Math Contd.

**Junior Year First Semester**

<b>Credits</b>	<b>Course Number</b>	<b>Title</b>
3-4	Elective	Science Elective
3	EDPS 30600	Adolescent and Young Adult Development
3	EDPS 30700	Classroom Climate – Sec.
3	MA 31500	Introduction to Abstract Mathematics
3	MA 33000	Concepts in Geometry
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15-16		

**Second Semester**

3-4	Elective	Science Elective
3	EDPS 30800	Exceptional Learners –Sec.
3	EDCI 30900	Reading in Middle and Secondary Schools
3	MA 45300	Elements of Algebra
3	STAT 31100	Introductory Probability
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15-16		

**Senior Year First Semester**

<b>Credits</b>	<b>Course Number</b>	<b>Title</b>
3	COM 11400	Fundamentals of Speech Communication
	-OR-	
	COM 21200	Approaches to the Study of Interpersonal Communication
3	Elective	Social Science Elective
3	MA 40100	Problem Solving in Mathematics
3	MA 34800	Discrete Mathematics
3	EDCI 42500	Strategies for Teaching Mathematics
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15		

**Second Semester**

16	EDCI 49500	Student Teaching in the Secondary School
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16		

**123-125 Total Credit Hours**