

# BACHELOR OF SCIENCE (120 cr. hours)

## Education Secondary Education: Mathematics

### 4-Year Degree Plan [sample]

#### YEAR ONE

Fall Semester (13 cr. hours)	course title	credits	grade
	MATH-M 215 Calculus I	5	
FL Writing	ENG-W 131 Elementary Composition I	3	
FL Information Literacy	COAS-Q 110 Introduction to Information Literacy	1	
CSV Health and Wellness	HPER	1	
	Elective 1	3	

#### Spring Semester (15 cr. hours)

	MATH-M 216 Calculus II	5	
FL Computer Literacy	CSCI-B 100 Problem Solving Using Computers	4	
FL Critical Thinking	ENG-W 270 Argumentative Writing	3	
	Elective 2	3	

#### YEAR TWO

Fall Semester (17 cr. hours)	course title	credits	grade
CC Human Behavior and Social Institutions	EDUC-P 250 General Educational Psychology	3	
	MATH-M 301 Linear Algebra and Applications	3	
	MATH-M 311 Calculus 3	5	
CC The Natural World	The Natural World Elective	3	
CC Art, Aesthetics, and Creativity	Art, Aesthetics, and Creativity Electie	3	

#### Spring Semester (15 cr. hours)

FL Computer Literacy	EDUC-W 200 Using Computers in Education	3	
	MATH-M 347 Discrete Mathematics	3	
	MATH-T 336 Topics in Euclidean Geometry; OR		
	MATH-T 436 Secondary Mathematics for Teachers	3	
	World Literary and Intellectual Traditions Elective		
CC Literary and Intellectual Traditions	Traditions I or II	3	
	Elective 3	2	
CSV Health and Wellness	HPER	1	

FL Fundamental Literacies CSV Contemporary Social Values CC Common Core\* (at least one Common Core class must be at the 300 level)

#### YEAR THREE

Fall Semester (18 cr. hours)	course title	credits	grade
FL Oral Communication	EDUC-F 201 Exploring the Personal Demands of Teaching: Laboratory Experience	2	
FL Oral Communication	EDUC-F 202 Exploring the Personal Demands of Teaching: Field Experience	1	
FL Oral Communication	EDUC-M 314 General Methods for Senior High/Junior High/Middle School Teachers	3	
CSV Diversity in United States Society	EDUC-H 340 Education and American Culture	3	
	MATH-M 380 History of Mathematics	3	
	Mathematics Option A/B Fall	3	
FL Visual Literacy	EDUC-W 310 Integrating Technology K-12	3	

#### Spring Semester (15 cr. hours)

	EDUC-M 464 Methods of Teaching Reading	3	
	EDUC-K 306 Teaching Students with Special Needs in Secondary Classrooms	3	
	EDUC-P 407 Psychological Measurement in the Schools	3	
	MATH-T 336 Topics in Euclidean Geometry; OR		
	MATH-T 436 Secondary Mathematics for Teachers	3	
	Mathematics Option A/B Spring	3	

#### YEAR FOUR

Fall Semester (15 cr. hours)	course title	credits	grade
	EDUC-BE 457 Secondary Methods: Mathematics	3	
	EDUC-P 475 Adolescent Development and Classroom Management	3	
	MATH-M 403 Introduction to Modern Algebra I	3	
	MATH-M 413 Introduction to Analysis I	3	
CSV Non-Western Cultures	EDUC-E 201 Multicultural Education and Global Awareness	3	

#### Spring Semester (12 cr. hours)

	EDUC-M 420 Student Teaching Seminar		
	VT: Understanding Schools	2	
	EDUC-M 480 Student Teaching in the Secondary School	10	