

BACHELOR OF SCIENCE (120 cr. hours)

Education Secondary Education: Physical Science

4-Year Degree Plan [sample]

YEAR ONE

Fall Semester (16 cr. hours)	course title	credits	grade
FL Writing	ENG-W 131 Elementary Composition I	3	
	MATH-M 215 Calculus I	5	
	PHYS-P 221 Physics 1	5	
CC Art, Aest., and Creativity	Art, Aesthetics, and Creativity Elective	3	

Spring Semester (15 cr. hours)

	PHYS-P 222 Physics 2	5	
FL Critical Thinking	ENG-W 270 Argumentative Writing	3	
	MATH-M 216 Calculus II	5	
FL Computer Literacy	COAS-Q 110 Introduction to Information Literacy	1	
	PHYS-P 323 Physics 3	3	
CSV Health and Wellness	HPER	1	

YEAR TWO

Fall Semester (17 cr. hours)	course title	credits	grade
CC Human Behavior and Social Institutions	EDUC-P 250 General Educational Psychology	3	
	BIOL-L 101 Introduction to Biological Sciences 1	5	
	CHEM-C 105 Principles of Chemistry I	3	
	CHEM-C 125 Experimental Chemistry I	2	
CSV Health and Wellness	HPER	1	

Spring Semester (14 cr. hours)

FL Computer Literacy	EDUC-W 200 Using Computers in Education	3	
	CHEM-C 106 Principles of Chemistry II	3	
	CHEM-C 126 Experimental Chemistry I	2	
	PHYS-P 324 Physics 4	3	
CSV Diversity in United States Society	EDUC-H 340 Education and American Culture	3	

YEAR THREE

Fall Semester (15 cr. hours)	course title	credits	grade
FL Oral Communication	EDUC-F 201 Exploring the Personal Demands of Teaching: Laboratory Experience	2	
	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	
FL Visual Literacy	EDUC-W 310 Integrating Technology K-12	3	
	CHEM-C 361 Physical Chemistry of Bulk Matter	3	
CC The Natural World	GEOI-N or AST-N 190 The Natural World Elective	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	
CSV Non-Western Cultures	EDUC-E 201 Multicultural Education and Global Awareness	3	
	Elective	3	

YEAR FOUR

Fall Semester (16 cr. hours)	course title	credits	grade
	EDUC-M 446 Methods of Teaching Senior High/Junior High/Middle School Science	3	
	EDUC-P 475 Adolescent Development and Classroom Management	3	
	CHEM-C 430 Inorganic Chemistry	3	
	CHEM-C 335 Inorganic Chemistry Laboratory	1	
	MATH-M 301 Linear Algebra and Applications; OR MATH-M 343 Introduction to Differential Equations; OR MATH-M 463 Introduction to Probability Theory 1	3	
CC Literary and Intellectual Traditions	World Literary and Intellectual Traditions I or II	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	

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