

BACHELOR OF SCIENCE (120 cr. hours)**Education Secondary Education: Physics****4-Year Degree Plan [sample]****YEAR ONE****Fall Semester (14 cr. hours)**

	course title	credits	grade
	MATH-M 215 Calculus I	5	
FL Writing	ENG-W 131 Elementary Composition 1	3	
	PHYS-P 221 Physics 1	5	
FL Information Literacy	COAS-Q 110 Introduction to Information Literacy	1	

Spring Semester (15 cr. hours)

	PHYS-P 222 Physics 2	5	
	MATH-M 216 Calculus II	5	
	BIOL-L 101 Introduction to Biological Sciences 1	5	

YEAR TWO**Fall Semester (17 cr. hours)**

	course title	credits	grade
CC Hum. Beh. And Social Inst.	EDUC-P 250 General Educational Psychology	3	
	PHYS-P 323 Physics 3	3	
	MATH-M 343 Introduction to Differential Equations	3	
	PHYS-P 331 Theory of Electricity and Magnetism I	3	
	CHEM-C 105 Principles of Chemistry I	3	
	CHEM-C 125 Experimental Chemistry I	2	

Spring Semester (15 cr. hours)

FL Visual Literacy	EDUC-W 200 Using Computers in Education	3	
	PHYS-P 324 Physics 4	3	
CSV Non-Western Cultures	EDUC-E 201 Multicultural and Global Awareness	3	
CC Art, Aest., and Creativity	Art, Aesthetics, and Creativity Elective	3	
FL Critical Thinking	ENG-W 270 Argumentative Writing	3	

YEAR THREE**Fall Semester (16 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 U.S. Society	EDUC-H 340 Education and American Culture	3	
CC Literary and Intellectual Traditions	Literary and Intellectual Traditions Elective	3	
FL Visual Literacy	EDUC-W 310 Integrating Technology K-12	3	
CSV Health and Wellness	HPER	1	

Spring Semester (16 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	
	PHYS-P 309 Modern Physics Laboratory	3	
	PHYS-P 340 Thermodynamics and Statistical Mechanics	3	
CSV Health and Wellness	HPER	1	

YEAR FOUR**Fall Semester (15 cr. hours)**

	EDUC-M 446 Methods of Teaching Senior High/Junior High/Middle School Science	3	
	EDUC-P 475 Adolescent Development and Classroom Management	3	
	PHYS-P 334 Fundamentals of Optics	3	
CC The Natural World	GEOG or AST-N 190 The Natural World Elective	3	
	Elective	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)