

BACHELOR OF SCIENCE PROGRAM LEADING TO CERTIFICATION IN BIOLOGICAL SCIENCES SECONDARY EDUCATION

2019-2020 Degree Requirements

Name _____ ID# _____

TOTAL CREDITS FOR DEGREE: 127

UNIVERSITY CORE CURRICULUM: 42 credits

Required Fundamental Courses:

COMM 101	Oral Comm. & Pres.	3 credits	_____
ENGL 101	College Composition	3 credits	_____
UNIV 101	City-University Life	3 credits	_____
Senior Capstone: EDUC 432		3 credits	_____

Choose Thematic Core courses in the following:

Explore the World - Choice 1		3 credits	_____
Explore the World - Choice 2		3 credits	_____
Investigate Science	CHEM 101	3 credits	_____
Investigate Mathematics	MATH 180	3 credits	_____
* Interpret Creative Works		3 credits	_____
Understand People - Choice 1	EDUC 220	3 credits	_____
Understand People - Choice 2	EDUC 228	3 credits	_____
Succeed in Business		3 credits	_____
Appreciate & Apply the Arts		3 credits	_____
Discover Technology	EDUC 101	3 credits	_____

*Interpret Creative Works class must be a literature course.

MAJOR REQUIREMENTS: 85 cr.

MATH 175 Elementary Statistics	3	EDUC 321 Lit & Learn in Midd/Sec	3
CHEM 102 General Chemistry II	3	EDUC 415 Teaching in Midd/Sec	3
CHEM 103 General Chemistry Lab I	1	EDUC 422 Data Driven Instruction	3
CHEM 104 General Chemistry Lab II	1	EDUC 425 Student Teaching Pract	12
CHEM 221 Organic Chemistry	3	SPED 180 Special Ed&Inclusive Prac	3
PHYS 101 Physics I	3	SPED 280 Positive Behav Inter&Sup	3
PHYS 103 Physics Lab I	1	SPED 380 Diff Inst Pract Incl Clsrm	3
BIOL 101 General Biology I	3		
BIOL 102 General Biology II	3		
BIOL 103 General Biology Lab I	1		
BIOL 104 General Biology Lab II	1		
BIOL 205 Botany	3		
BIOL 206 Zoology	3		
BIOL 211 Human Biology	3		
BIOL 216 Intro to Microbiology	4		
BIOL 222 Intro to Genetics	4		
BIOL 235 Intro to Ecology	3		
BIOL 341 Environmental Health	3		
EDUC 150 Intro to Teaching Profession	3		
EDUC 222 Assessment & Adaptation	3		
EDUC 250 Working w/ English Lang Learners	3		

TESTS FOR CERTIFICATION:

PECT-PAPA: Reading, Math, Writing (8001, 8002, 8003) **OR**
 ETS-CORE: Reading, Writing, Math (5712, 5722, 5732)
 ETS-Biology-Content Knowledge (0235/5235)

BACHELOR OF SCIENCE PROGRAM LEADING TO CERTIFICATION IN BIOLOGICAL SCIENCES SECONDARY EDUCATION

2019-2020 Degree Requirements

PROGRAM OBJECTIVES

Upon successful completion of this program, a student will be able to:

1. Utilize a variety of instructional strategies.
2. Develop instructional plans and set goals based on the content to be taught/learned, knowledge of assigned students, and the instructional context.
3. Establish and maintain purposeful and equitable classroom environments.
4. Demonstrate integrity, ethical behavior, and professional conduct as stated in the *Pennsylvania Code of Professional Practice and Conduct for Educators*.