

BACHELOR OF SCIENCE PROGRAM LEADING TO DUAL CERTIFICATION IN BIOLOGICAL SCIENCES SECONDARY EDUCATION AND SPECIAL EDUCATION (Gr.7-12)

2021-2022 Degree Requirements

Name: _____

ID Number: _____

TOTAL CREDITS FOR DEGREE: 142

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	(Student Teaching Seminar)

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	(General Chemistry I)
Investigate Mathematics	MATH 180	3 credits	(College Algebra)
* Interpret Creative Works		3 credits	
Understand People - Choice 1	EDUC 220	3 credits	(Family & Community Diversity)
Understand People - Choice 2	EDUC 228	3 credits	(Educational Psychology)
Succeed in Business		3 credits	
Appreciate & Apply the Arts		3 credits	
Discover Technology	EDUC 101	3 credits	(Technological Literacy)

*Interpret Creative Works class must be a literature course.

MAJOR REQUIREMENTS: 100 cr.

MATH 175 Elementary Statistics (3)
CHEM 102 General Chemistry II (3)
CHEM 103 General Chemistry Lab I (1)
CHEM 104 General Chemistry Lab II (1)
CHEM 221 Organic Chemistry (3)
PHYS 101 Physics I (3)
PHYS 103 Physics Lab I (1)
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 222 Assess & Adapt (3)

EDUC 250 Work w/Eng Lang Learn (3)
EDUC 321 Lit&Learn in Midd/Sec (3)
EDUC 415 Teach in Midd/Sec (3)
EDUC 422 Data Driven Instruction (3)
EDUC 425 Student Teaching Pract (12)
SPED 180 Special Ed&Inclusive Prac (3)
SPED 220 Instr/Assist Tech (3)
SPED 280 Positive Behav Int/Supp (3)
SPED 281 High Inced Dis. (3)
SPED 282 Low Inced Dis (3)
SPED 380 Diff Inst Prac Incl Clssrm (3)
SPED 381 Secondary Transitions (3)
SPED 382 Autism Spec. Disorder (3)
SPED 481 In Read/Write/Math Sped (3)

TESTS FOR CERTIFICATION:

PECT-PAPA: Reading, Math, Writing (8001, 8002, 8003) **OR**

ETS-CORE: Reading, Writing, Math (5713, 5733, 5723)

ETS-Biology-Content Knowledge (5235)

PECT-Special Education 7-12 (8015, 8016)

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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*.

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