

BACHELOR OF SCIENCE PROGRAM LEADING TO CERTIFICATION IN MATHEMATICS

SECONDARY EDUCATION

2019-2020 Degree Requirements

Name _____ ID# _____

TOTAL CREDITS FOR DEGREE: 122

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		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: 74 cr.

NSET 101 Intro to NSET	3	EDUC 321 Lit & Learn in Midd/Sec	3
MATH 175 Elementary Statistics	3	EDUC 415 Teaching in Midd/Sec	3
MATH 185 Trigonometry	2	EDUC 422 Data Driven Instruction	3
MATH 190 Calculus I	4	EDUC 425 Student Teaching Pract	12
Math 210 Calculus II	4	SPED 180 Special Ed&Inclusive Prac	3
MATH 220 Discrete Mathematics	3	SPED 280 Positive Behav Inter&Sup	3
MATH 230 Linear Algebra	3	SPED 380 Diff Inst Pract Incl Clssrm	3
MATH 300 Calculus III	4		
MATH 310 Differential Equations	3		
MATH 340 Modern Applied Algebra	3		
MATH 410 Geometry	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-Mathematics-Content Knowledge (0061, 5061)

GENERAL ELECTIVES: 6 cr.

BACHELOR OF SCIENCE PROGRAM LEADING TO CERTIFICATION IN MATHEMATICS

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*.