

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

2019-2020 Degree Requirements

Name _____ ID# _____

TOTAL CREDITS FOR DEGREE: 134

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: 92 cr.

NSET 101 Intro to NSET	3 _____	EDUC 250 Work w/Eng Lang Learn	3 _____
MATH 175 Elementary Statistics	3 _____	EDUC 321 Lit&Learn in Midd/Sec	3 _____
MATH 185 Trigonometry	2 _____	EDUC 415 Teach in Midd/Sec	3 _____
MATH 190 Calculus I	4 _____	EDUC 422 Data Driven Instruction	3 _____
MATH 210 Calculus II	4 _____	EDUC 425 Student Teaching Pract	12 _____
MATH 220 Discrete Mathematics	3 _____	SPED 180 Special Ed&Inclusive Prac	3 _____
MATH 230 Linear Algebra	3 _____	SPED 220 Instr/Assist Tech	3 _____
MATH 300 Calculus III	4 _____	SPED 280 Positive Behav Int/Supp	3 _____
MATH 310 Differential Equations	3 _____	SPED 281 High Inced Dis/Autism	3 _____
MATH 340 Modern Applied Algebra	3 _____	SPED 282 Low Inced Dis	3 _____
MATH 410 Geometry	3 _____	SPED 380 Diff Inst Prac Incl Clssrm	3 _____
EDUC 150 Intro to Teaching Profession	3 _____	SPED 381 Secondary Transitions	3 _____
EDUC 222 Assess&Adapt	3 _____	SPED 480 Prof Collab&Comm	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 (5712, 5722, 5732)

ETS-Mathematics-Content Knowledge (0061/5061)

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*.