

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

*2023-2024 Degree Requirements*

Name: \_\_\_\_\_

ID Number: \_\_\_\_\_

**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	<b>EDUC 432</b>	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	<b>MATH 180</b> 3 credits
* Interpret Creative Works	3 credits
Understand People - Choice 1	<b>EDUC 220</b> 3 credits
Understand People - Choice 2	<b>EDUC 228</b> 3 credits
Succeed in Business	3 credits
Appreciate & Apply the Arts	3 credits
Discover Technology	<b>EDUC 101</b> 3 credits

\*Interpret Creative Works class must be a literature course.

**MAJOR REQUIREMENTS: 92 cr.**

NSET 101 Intro to NSET (3)  
MATH 175 Elementary Statistics (3)  
MATH 185 Trigonometry (2)  
MATH 190 Calculus I (4)  
MATH 210 Calculus II (4)  
MATH 220 Discrete Mathematics (3)  
MATH 230 Linear Algebra (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 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 Spectrum (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-Mathematics-Content Knowledge (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*.