

**POST-BACCALAUREATE PROGRAM
BACHELOR OF SCIENCE
LEADING TO CERTIFICATION IN
MATHEMATICS SECONDARY EDUCATION**

2011-2012

B.A. or B.S. in _____
From _____

Student's Name: _____
Student's I.D. Number: _____
Entrance Date: _____
Advisor's Name: _____

PREREQUISITES TO THE PROGRAM		12-13
_____ ENGL	_____ _____ (Composition)	3
_____ ENGL	_____ _____ (Literature)	3
_____ CMPS	_____ _____ (Computer programming language - 200 level or above)	3-4
_____ MATH	180 College Algebra	3

DEPARTMENT MAJOR REQUIREMENTS		32
_____ 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

EDUCATION REQUIREMENTS		39
_____ SPED	180 Special Education and Inclusive Practices	3
_____ SPED	280 Positive Behavioral Interventions and Supports	3
_____ SPED	380 Differentiated Instructional Practices in the Inclusive Classroom	3
_____ EDUC	220 Family & Community Diversity	3
_____ EDUC	222 Assessment & Adaptation	3
_____ EDUC	228 Educational Psychology	3
_____ EDUC	250 Working with English Language Learners	3
_____ EDUC	321 Literacy & Learning in Secondary School	3
_____ EDUC	415 Teaching in Secondary School	3
_____ ENGL	425 Student Teaching Practicum	12

Program Objectives

Post-Baccalaureate Program B.S. Leading to Certification in Mathematics Secondary Education

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*.