

**BACHELOR OF ARTS
PROGRAM LEADING TO PA CERTIFICATION
4th - 8th Grade (Math)**

2011-2012

Student's Name: _____

Student's I.D. Number: _____

Entrance Date: _____

Advisor's Name: _____

CORE				42
___	EDUC	101	Technological Literacy for Teaching	3
___	ENGL	150	English Composition I	3
___	ENGL	151	English Composition II	3
___	ENGL	250	World Literature I	3
___	ENGL	251	World Literature II	3
___	COPA	250	Arts & Human Experience I	3
___	EDUC	251	Music & Arts In Teaching	3
___	HIST	150	Intro Study of History	3
___	MATH	150	Mathematical Experience	3
___	NSET	110	Intro Natural Sciences I	3
___	NSET	111	Intro Natural Sciences II	3
___	POLS	102	American National Government	3
___	PSYC	150	Psychological Foundations	3
___	SOC	111	World Cultures	3

* Math course level dependent on results of placement exam.

DEPARTMENT GENERAL REQUIREMENTS 39

Human Sciences (3)

___	PSYC	309	The Child 5-14	3
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MATHEMATICS (18)

___	MATH	180	College Algebra	3
___	MATH	185	Trigonometry	2
___	MATH	190	Calculus I	4
___	MATH	220	Discrete Mathematics	3
___	MATH	230	Linear Algebra I	3
___	MATH	410	Geometry Applications	3

Math requirements (12)

*	MATH	150	Mathematical Experience	3
___	MATH	155	General Mathematics	3
___	MATH	165	Basic Algebra	3
___	MATH	175	Elementary Statistics	3

DEPARTMENT MAJOR REQUIREMENTS 45

___	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
___	HUMA	150	The University Experience OR	3
___	EDUC	150	Intro to the Teaching Profession	
___	EDUC	222	Assessment and Adaptations	3
___	EDUC	228	Educational Psychology	3
___	EDUC	250	Working with English Language Learners	3
___	EDUC	312	Teaching Mathematics/Science in Grades 4-8	3
___	EDUC	313	Teaching Language Arts/Social Studies in Grades 4-8	3
___	EDUC	323	Adolescent Development/Multicultural Educational Environments	3
___	EDUC	422	Data Driven Instruction	3
___	EDUC	425	Student Teaching Practicum	12

English requirements (12)

*	ENGL	150	English Composition I	3
*	ENGL	151	English Composition II	3
*	ENGL	250	World Literature I	3
*	ENGL	251	World Literature II	3

Science requirements (12)

*	NSET	110	Intro Natural Sciences I	3
*	NSET	111	Intro Natural Sciences II	3
___	BIOL	101	General Biology I OR	3
___	BIOL	102	General Biology II	
___	ESCI	105	Fund of Earth Sciences	3

Social Studies requirements (12)

*	HIST	150	Intro Study to History	3
___	HIST	203	History of U.S. I	3
*	POLS	102	American National Government	3
*	SOC	111	World Cultures	3

* Completed within the Core

Program Objectives

B.A. Program Leading to PA Certification in 4th - 8th Grade (Math)

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*.

4th - 8th Grade (Math) Course Sequence

Freshman Year Semester 1 (15 cr.)

HUM	150	University Experience
ENGL	150	English Composition I
COPA	250	Arts & Human Experiences I
MATH	150	Mathematical Experiences
PSYC	150	Psychological Foundations

Sophomore Year Semester 1 (18 cr.)

ENGL	250	World Literature I
MATH	165	Basic Algebra
MATH	175	Elementary Statistics
PSYC	309	The Child 5-14
SPED	180	Special Education & Inclusion
EDUC	251	Arts and Music in Teaching

Junior Year Semester I (16 cr.)

NSET	110	Introduction Natural Sciences I
SOC	111	World Cultures
EDUC	250	Working with English Language
MATH	190	Calculus I
SPED	380	Differentiated Instructional Practices

Senior Year Semester 1 (15 cr.)

MATH	410	Geometry Applications
BIOL	101	General Biology I
HIST	203	U.S. History I
EDUC	312	Teaching Mathematics/Science in Grades 4-8
EDUC	422	Data Driving Instruction

Freshman Year Semester 2 (18 cr.)

EDUC	101	Technological Literacy for Teaching
ENGL	151	English Composition II
HIST	150	Introduction to Study of History
POLS	102	American National Government
MATH	155	General Mathematics
EDUC	228	Educational Psychology

*****APPLICATION TO DEPARTMENT TO BE COMPLETED**

**Sophomore Year Semester 2 (17 cr.)

ENGL	251	World Literature II
MATH	180	College Algebra
MATH	185	Trigonometry
ESCI	105	Fundamentals of Earth Science
SPED	280	Positive Behavioral Interventions
EDUC	222	Assessment and Adaptations

Junior Year Semester 2 (15 cr.)

NSET	111	Introduction Natural Sciences II
MATH	220	Discrete Mathematics
MATH	230	Linear Algebra I
EDUC	313	Teaching Language Arts/Social Sciences in grades 4-8
EDUC	323	Adolescent Development/ Multicultural Educational Environments

Senior Year Semester 2 (12 cr.)

EDUC	425	Student Teaching Practicum
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