

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

**2011-2012**

Student's Name: \_\_\_\_\_

Student's I.D. Number: \_\_\_\_\_

Entrance Date: \_\_\_\_\_

Advisor's Name: \_\_\_\_\_

<b>CORE</b>				<b>42</b>
___	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	Arts & Music 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 Gov't	3
___	PSYC	150	Psychological Foundations	3
___	SOC	111	World Cultures	3

\* Math course level dependent on results of placement exam.

<b>DEPARTMENT GENERAL REQUIREMENTS</b>				<b>41</b>
Human Sciences (3)				
___	PSYC	309	The Child 5-14	3
SCIENCE (21)				
___	BIOL	101	General Biology I	3
___	BIOL	102	General Biology II	3
___	BIOL	103	General Bio Lab I	1
___	CHEM	101	General Chemistry I	3
___	CHEM	102	General Chemistry II	3
___	CHEM	103	General Chemistry Lab I	1
___	PHYS	101	Physics I	3
___	PHYS	102	Physics II	3
___	PHYS	103	Physics Lab I	1
Science requirements (9)				
*	NSET	110	Intro Natural Sciences I	3
*	NSET	111	Intro Natural Sciences II	3
___	ESCI	105	Fundamentals of Earth Sciences	3

<b>DEPARTMENT MAJOR REQUIREMENTS</b>				<b>45</b>
___	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 <b>OR</b>	3
___	EDUC	150	Introduction 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	3
___	EDUC	313	Teaching Lanaguage Arts/Social Studies	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

**Math requirements (14)**

*	MATH	150	Mathematical Experience	3
___	MATH	155	General Mathematics	3
___	MATH	165	Basic Algebra	3
___	MATH	175	Elementary Statistics	3
___	MATH	185	Trigonometry	2

**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 (Science)

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 (Science) Course Sequence

#### Freshman Year Semester 1 (15 cr.)

HUM	150	University Experience
ENGL	150	English Composition I
MATH	150	Mathematical Experience
PSYC	150	Psychological Foundations
NSET	110	Introduction to Natural Sciences I

#### Sophomore Year Semester 1 (16 cr.)

ENGL	250	World Literature I
MATH	165	Basic Algebra
BIOL	101	General Biology I
BIOL	103	General Biology I Lab
COPA	250	Arts & Human Experiences
SPED	180	Special Education and Inclusion

#### Junior Year Semester I (14 cr.)

EDUC	251	Music and Art in Teaching
SPED	380	Differentiated Instructional Practices
PHYS	101	Physics I
PHYS	103	Physics I Lab
CHEM	101	General Chemistry I
CHEM	103	General Chemistry I Lab

#### Senior Year Semester 1 (18 cr.)

SOC	111	World Cultures
HIST	203	History of US I
ESCI	105	Fundamentals of Earth Sciences
PSYC	309	The Child 5-14
EDUC	312	Teaching Mathematics/Sciences
EDUC	422	Data Based Decision Making

#### Freshman Year Semester 2 (18 cr.)

EDUC	101	Technological Literacy for Teaching
ENGL	151	English Composition II
MATH	155	General Mathematics
EDUC	228	Educational Psychology
NSET	111	Introduction to Natural Sciences II
POLS	102	American National Government

#### **\*\*\*APPLICATION TO DEPARTMENT TO BE COMPLETED**

#### **\*\*\*Sophomore Year Semester 2 (17 cr.)**

ENGL	251	World Literature II
MATH	185	Trigonometry
BIOL	102	General Biology II
EDUC	222	Assessment and Adaptations
SPED	280	Positive Behavioral Interventions
HIST	150	Introduction to Study of History

#### Junior Year Semester 2 (18 cr.)

MATH	175	Elementary Statistics
EDUC	250	Work with English Language Learners
EDUC	313	Teaching Language Arts/Social Sciences in grades 4-8
EDUC	323	Adolescent Development/ Multicultural Educational Environments
PHYS	102	Physics II
CHEM	102	General Chemistry II

#### Senior Year Semester 2 (12 cr.)

EDUC	425	Student Teaching Practicum
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