

**POST-BACCALAUREATE PROGRAM  
BACHELOR OF SCIENCE  
LEADING TO CERTIFICATION IN  
BIOLOGICAL SCIENCES 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 30**

Humanities & Human Sciences (6)			
_____	_____	_____	3
		(English Composition)	
_____	_____	_____	3
		(English Literature)	
Natural Sciences (22)			
_____	BIOL	101 General Biology I	3
_____	BIOL	102 General Biology II	3
_____	BIOL	103 General Biology Lab I	1
_____	BIOL	104 General Biology Lab II	1
_____	CHEM	101 General Chemistry I	3
_____	CHEM	102 General Chemistry II	3
_____	CHEM	103 General Chemistry Lab I	1
_____	CHEM	104 General Chemistry Lab II	1
_____	MATH	175 Elementary Statistics	3
_____	MATH	180 College Algebra	3
_____	MATH	185 Trigonometry	2

**DEPARTMENT MAJOR REQUIREMENTS 32**

_____	BIOL	205 Botany	3
_____	BIOL	206 Zoology	3
_____	BIOL	211 Human Biology	3
_____	BIOL	216 Intro to Microbiology	4
_____	BIOL	222 Intro to Genetics	4
_____	BIOL	243 Public Health <b>OR</b>	3
_____	BIOL	341 Environmental Health	
_____	CHEM	221 Organic Chemistry	3
_____	CHEM	222 Organic Biochemistry	3
_____	CHEM	223 Organic Chemistry Lab	2
_____	PHYS	101 Physics I	3
_____	PHYS	103 Physics Lab I	1

**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
_____	EDUC	425 Student Teaching Practicum	12

# Program Objectives

## **Post-Baccalaureate Program - B.S. Leading to Certification in Biological Sciences 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.