

EDINBORO UNIVERSITY OF PENNSYLVANIA
CURRICULUM REQUIREMENTS
 Bachelor of Science
Major: Biology (0477)

Student: _____ ID# @ _____ Term: _____

I. GENERAL EDUCATION (45 SH)

A. Skills (13 SH)

	SH	Grade	Date
ENGL 101 College Writing Skills	3	_____	_____
ENGL 102 Writ/Research	3	_____	_____
MATH 260 Elements of Statistics	3	_____	_____
CHEM 241 Prin. of Chem. II Fulfills computer competency requirement	4	_____	_____

B. Core (22 SH)

1. **Artistic Expression (3 SH)**

2. **World Civilizations (3 SH)**

3. **American Civilizations (3 SH)**

4. **Human Behavior (3 SH)**

5. **Cultural Diversity & Social Pluralism (3 SH)**

6. **Ethics (3 SH)**

7. **Natural Science (4 SH)**
CHEM 240 Prin. of Chem. I 4 _____

C. Distribution (10 SH)

1. **Humanities & Fine Arts (3 SH)**

2. **Social & Behavioral Sciences (3 SH)**

3. **Science & Math (4 SH)**
CHEM 302 General Biochem 4 _____

Three (3) semester hours in each of the areas of distribution

Students enrolled in the Bachelor of Science program must attain a minimum grade point average of 2.00 in all BIOL and PYMA courses (excluding Free Electives).

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#Note: At least 42 semester hours must consist of advanced coursework

(Revised: October 2014; Approved: March 2015)
 (Effective: Summer 2015)

II. REQUIRED BIOLOGY COURSES (28 SH)

	SH	Grade	Date
BIOL 150 Principles of Biology	4	_____	_____
BIOL 230 Botany	4	_____	_____
BIOL 240 Zoology	4	_____	_____
BIOL 300 Genetics	4	_____	_____
BIOL 305 Cell/Molecular Biology	4	_____	_____
BIOL 320 Plant Physiology OR	4	_____	_____
BIOL 340 Animal Physiology		_____	_____
BIOL 400 Ecology	4	_____	_____

III. CAPSTONE EXPERIENCE (0-2 SH)

Students must submit a PORTFOLIO and do ONE of the following: DOCUMENT PRESENTATION of their research at a scientific meeting, an INTERNSHIP specifically approved as a Capstone, or take BIOL 495 Senior Capstone Seminar.

IV. BIOLOGY ELECTIVES* (10-16 SH)

* Reduced by 2 credits if capstone experience taken for credit and reduced by 4 credits if CHEM 330 & 331 option taken.

At least one designated research intensive course required:
 BIOL 308, BIOL 320, BIOL342, BIOL403, BIOL409, BIOL457, BIOL 472, BIOL 482, BIOL 643 (or BIOL 395 and BIOL 490 if specifically approved as research intensive)

All additional coursework must be selected from the following:
 BIOL302, BIOL308, BIOL309, BIOL314, BIOL courses numbered 318 or above (limit 4 SH max for BIOL 395 & 490), and PYMA courses

V. REQUIRED SUPPORTING COURSES * (16-20 SH)

	SH	Grade	Date
CHEM 301 General Organic Chemistry	4	_____	_____
OR			
CHEM 330 Organic Chemistry I	4	_____	_____
AND			
CHEM 331 Organic Chemistry II	4	_____	_____
MATH 211 Anal. Geometry & Calculus I	4	_____	_____
PHYS 201 Physics I	4	_____	_____
PHYS 202 Physics II	4	_____	_____

VI. FREE ELECTIVES (15 SH)

	SH	Grade	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

TOTAL# (120 SH)