

**EDINBORO UNIVERSITY OF PENNSYLVANIA**  
**CURRICULUM REQUIREMENTS**  
 Bachelor of Science  
**Major: Biology (0449)**  
 (Pre-Dental)

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. <b>Artistic Expression</b>	(3 SH)	_____	_____
2. <b>World Civilizations</b>	(3 SH)	_____	_____
3. <b>American Civilizations</b>	(3 SH)	_____	_____
4. <b>Human Behavior</b>	(3 SH)	_____	_____
5. <b>Cultural Diversity &amp; Social Pluralism</b>	(3 SH)	_____	_____
6. <b>Ethics</b>	(3 SH)	_____	_____
7. <b>Natural Science</b> CHEM 240 Prin. of Chem. I	(4 SH)	4	_____

**C. Distribution (10 SH)**

1. <b>Humanities &amp; Fine Arts</b>	(3 SH)	_____	_____
2. <b>Social &amp; Behavioral Sciences</b>	(3 SH)	_____	_____
3. <b>Science &amp; Math</b> CHEM 302 General Biochem	(4 SH)	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).**

**THIS IS NOT AN OFFICIAL TRANSCRIPT  
OF RECORD**

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

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

**II. REQUIRED BIOLOGY COURSES (31 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 340 Animal Physiology	4	_____	_____
BIOL 341 Vertebrate Anatomy	3	_____	_____
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\* (7-9 SH)**

7 credits only if capstone experience taken for 2 credits

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) **SH Grade Date**

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 (20 SH)**

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

**VI. FREE ELECTIVES (15 SH)**

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

**TOTAL# (120 SH)**

\*NOTE: BIOL 318 Clinical Microbiology is recommended