

**EDINBORO UNIVERSITY OF PENNSYLVANIA**  
**CURRICULUM REQUIREMENTS**  
 Bachelor of Science  
**Major: Chemistry (0478)**

Student: \_\_\_\_\_ ID: @ \_\_\_\_\_ Term: \_\_\_\_\_

**I. GENERAL EDUCATION (50 SH)**

**A. Skills (14 SH)**

	SH	Grade	Date
ENGL101 College Writing Skills	3	_____	_____
ENGL102 Writ/Research	3	_____	_____
MATH211 Ana. Geo. & Calculus 1	4	_____	_____
CHEM241 Prin. of Chemistry II*	4	_____	_____

\*Fulfills required computer competency course.

**B. Core (22 SH)**

<b>1. Artistic Expression (3 SH)</b>	_____	_____	_____
<b>2. World Civilizations (3 SH)</b>	_____	_____	_____
<b>3. American Civilizations (3 SH)</b>	_____	_____	_____
<b>4. Human Behavior (3 SH)</b>	_____	_____	_____
<b>5. Cultural Diversity &amp; Social Pluralism (3 SH)</b> (Select FREN101, GERM101, or RUSS101)	_____	_____	_____
<b>6. Ethics (3 SH)</b>	_____	_____	_____
<b>7. Natural Science (4 SH)</b> BIOL103 Principles of Biology	4	_____	_____

**C. Distribution (14 SH)**

<b>1. Humanities &amp; Fine Arts (3 SH)</b>	_____	_____	_____
<b>2. Social &amp; Behavioral Sciences (3SH)</b>	_____	_____	_____
<b>3. Science &amp; Math (8 SH)</b> PHYS320 University Physics I	4	_____	_____
PHYS321 University Physics II	4	_____	_____

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

**II. SPECIALIZATION IN CHEMISTRY\*\* (48 SH)**

CHEM240 Principles of Chemistry I	4	_____	_____
CHEM241 Principles of Chemistry II	***	_____	_____
CHEM280 Laboratory Safety	1	_____	_____
CHEM341 Biochemistry	4	_____	_____
CHEM310 Quantitative Analysis	4	_____	_____
CHEM330 Organic Chemistry I	4	_____	_____
CHEM331 Organic Chemistry II	4	_____	_____
CHEM381 Searching Scientific Literature	1	_____	_____
CHEM420 Inorganic Chemistry	3	_____	_____
CHEM421 Advanced Organic Chemistry	3	_____	_____
CHEM450 Instrumental Analysis	5	_____	_____
CHEM481 Seminar	1	_____	_____
CHEM490 Indep. Study Chem.	2	_____	_____
CHEM530 Physical Chemistry I	4	_____	_____
CHEM531 Physical Chemistry II	4	_____	_____
CHEM533 Polymer Chemistry	3	_____	_____
CHEM535 Advanced Chemistry Lab.	1	_____	_____

\*\*Students enrolled in the Bachelor of Science program must attain a cumulative quality point average of 2.00 or higher in chemistry courses to be eligible for graduation. A minimum grade of "C" is required in CHEM240, 241, 310, 330, 331, 341, 530 and 531.

**III. REQUIRED SUPPORTING COURSES (12-13 SH)**

BIOL103 Principles of Biology	***	_____	_____
MATH211 Anal. Geometry & Calculus I	***	_____	_____
MATH212 Anal. Geometry & Calculus II	4	_____	_____
MATH311 Anal. Geometry & Calculus III	4	_____	_____
<b>OR</b>			
MATH317 Intro. to Differential Equations	3	_____	_____
<b>OR</b>			
CSCI130 Principles of Programming I	3	_____	_____
MATH260 Elements of Statistics	3	_____	_____
FREN101 1 <sup>st</sup> . Course in French	***	_____	_____
<b>OR</b> GERM101 1 <sup>st</sup> . Course in German	***	_____	_____
<b>OR</b> RUSS101 1 <sup>st</sup> . Course in Russian	***	_____	_____
PHYS320 University Physics I	***	_____	_____
PHYS321 University Physics II	***	_____	_____
PHYS322 Phys. Measurements I	1	_____	_____
PHYS323 Phys. Measurements II	1	_____	_____

\*\*\*Credits are recorded under the General Education Section

**IV. ELECTIVES (9-10 SH)**

	SH	Grade	Date
_____	_____	_____	_____
_____	_____	_____	_____

**TOTAL# (120 SH)**

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