

**EDINBORO UNIVERSITY OF PENNSYLVANIA**  
**CURRICULUM REQUIREMENTS**  
 Bachelor of Science  
**Major: Physics – Cooperative Engineering Physics (0417)**

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

**I. GENERAL EDUCATION (46 {37} SH)\***

**A. Skills (14 SH)**

\*Note: 4 courses from the Core should be taken at EU; the remaining Core areas will be satisfied by courses taken at cooperating engineering school. General education credits will therefore total 46SH, 37SH from EU.

ENGL 101 College Writing Skills	3	_____	_____
ENGL 102 Writ/Research	3	_____	_____
MATH 211 Analytic Geom./Calc. I	4	_____	_____
CHEM 241 Principles of Chemistry II	4	_____	_____

**B. Core (take 4 out of 7) (13 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)**  
 CHEM240 Principles of Chem. I 4 \_\_\_\_\_

**C. Distribution (10 SH)**

1. **Humanities & Fine Arts (3 SH)**  
 \_\_\_\_\_
2. **Social & Behavioral Sciences (3 SH)**  
 ECON220 Prin. Of Micro \_\_\_\_\_
3. **Science & Math (4 SH)**  
 MATH212 Anal. Geom./Calc. II 4 \_\_\_\_\_

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

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

(Revised: February 2018, Approved: May 2018)  
 (Effective: Summer 2018)

**II. REQUIRED PHYSICS COURSES (30-31 SH)**

	SH	Grade	Date
PHYS150 Physics Orientation	2	_____	_____
PHYS312 Technical Electronics II	4	_____	_____
<b>OR</b>			
PHYS313 Digital Electronics	3	_____	_____
PHYS320 University Physics I	4	_____	_____
PHYS321 University Physics II	4	_____	_____
PHYS322 Physical Measurements Lab I	1	_____	_____
PHYS323 Physical Measurements Lab II	1	_____	_____
PHYS325 Intro. to Modern Physics	3	_____	_____
PHYS449 Math. Meth. In Physics	3	_____	_____
ENGR201 Engineering Graphics	3	_____	_____
ENGR303 Engineering Statics	3	_____	_____
ENGR304 Engineering Dynamics	3	_____	_____

**III. ADVANCED PHYSICS ELECTIVE\*\* (5 SH)**

PHYS305 Classical Physics Lab II	2	_____	_____
PHYS405 Modern Physics Lab	2	_____	_____
PHYS410 Optics	3	_____	_____
PHYS420 Mechanics I	3	_____	_____
PHYS421 Mechanics II	3	_____	_____
PHYS430 Electricity & Magnetism I	3	_____	_____
PHYS431 Electricity & Magnetism II	3	_____	_____
PHYS453 Quantum Physics	3	_____	_____
PHYS490-493 Independent Study	2-5	_____	_____
PHYS496-497 Internship in Physics	2-5	_____	_____

\*\*other approved courses may be offered via ITV.

**IV. REQUIRED SUPPORTING COURSES (19 SH)**

MATH211 Analytic Geom./Calc. I	*	_____	_____
MATH212 Analytic Geom./Calc. II	*	_____	_____
MATH311 Analytic Geom./Calc. III	4	_____	_____
MATH275 Linear Algebra	3	_____	_____
MATH317 Intro. to Differential Equations	3	_____	_____
COMM107 Fundamentals of Speech	3	_____	_____
CHEM240 Principles of Chemistry I	*	_____	_____
CHEM241 Principles of Chemistry II	*	_____	_____
CSCI130 Principles of Programming I	3	_____	_____
ECON225 Principles of Macro I	3	_____	_____

\* Credits for these courses are included on the left side of the page and thus not included here.

**V. FREE ELECTIVES (4 or 5; EU 96SH total)**

\_\_\_\_\_  
 \_\_\_\_\_

**VI. COMPLETE ENGINEERING DEGREE (24 SH)**

Credits transferred from cooperating engineering school to fulfill remaining general education requirements and bring total credits to 120.

**TOTAL# (120 SH)**