EDINBORO UNIVERSITY OF PENNSYLVANIA
CURRICULUM REQUIREMENTS
Bachelor of Science
Major: Physics – 3+2 Cooperative Engineering Track (0434)

Student: _____ **ID# @**_____ **Term:** _____

I. GENERAL EDUCATION (37 SH)

		SH	Grade	Date
A. Skills				**(14 SH)**
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 3 out of remaining 6)				**(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

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II. REQUIRED PHYSICS COURSES (31 - 32 SH)

		SH	Grade	Date
PHYS150	Physics Orientation	3		
PHYS312	Technical Electronics II	4		
OR				
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	Mathematical Methods 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 (3 or 4; bring total to 96 SH)

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VI. COMPLETION OF ENGINEERING DEGREE

TOTAL# **(120 SH)**

(Revised: March 2013, Approved: June 2013)
(Effective: Fall 2013)