

EDINBORO UNIVERSITY OF PENNSYLVANIA
CURRICULUM REQUIREMENTS
Bachelor of Science
Major: Physics – Theoretical Track (0436)

Student: _____ ID# @ _____ Term: _____

I. GENERAL EDUCATION (46 SH)

A. Skills (14 SH)

	SH	Grade	Date
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 (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)	_____	_____	_____
CHEM240 Principles 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)	_____	_____	_____
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**

II. REQUIRED PHYSICS COURSES (42 - 43 SH)

	SH	Grade	Date
PHYS150 Physics Orientation	3	_____	_____
PHYS312 Technical Electronics II	4	_____	_____
Or			
PHYS313 Digital Electronics	3	_____	_____
PHYS305 Classical Physics Laboratory I	2	_____	_____
Or			
PHYS405 Modern Physics Laboratory I	2	_____	_____
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	_____	_____
PHYS420 Mechanics I	3	_____	_____
PHYS430 Electricity & Magnetism I	3	_____	_____
PHYS441 Thermal Physics	3	_____	_____
PHYS449 Mathematical Methods in Physics	3	_____	_____
PHYS453 Quantum Physics	3	_____	_____
ENGR303 Engineering Statics	3	_____	_____
ENGR304 Engineering Dynamics	3	_____	_____

III. ADVANCED PHYSICS ELECTIVES (3 SH)

To be chosen from: **PHYS410 Optics**, **PHYS421 Mechanics II**, **PHYS431 Electricity & Magnetism II**, **PHYS490-493 Independent Study** (2-5 SH), **PHYS496-497 Internship** (2-5 SH) or other approved courses may be offered via ITV.

IV. REQUIRED SUPPORTING COURSES (13 SH)

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

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

III. FREE ELECTIVES (15-16 SH)

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

TOTAL# (120 SH)