

**EDINBORO UNIVERSITY OF PENNSYLVANIA
CURRICULUM REQUIREMENTS**

Bachelor of Arts

Major: Physics – Theoretical Track

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

I. GENERAL EDUCATION (52 SH)

	SH	Grade	Date
A. Skills	(13 SH)		
ENGL101 College Writing Skills	3	_____	_____
ENGL102 Writ/Research	3	_____	_____
MATH311 Anal. Geom./Calc. III	4	_____	_____
CSCI130 Principles of Programming	3	_____	_____

B. Core

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

1. Humanities & Fine Arts	(3 SH)		
_____	_____	_____	_____
2. Social & Behavioral Sciences	(3 SH)		
_____	_____	_____	_____
3. Science & Math	(8 SH)		
MATH211 Anal. Geom./Calc. I	4	_____	_____
MATH212 Anal. Geom./Calc. II	4	_____	_____

Six (6) semester hours with the same prefix in one area of distribution and three (3) semester hours in each of the other two areas of distribution

D. Health & Physical Education

Health Lecture:	2	_____	_____
And			
Phy. Ed. Activity:	1	_____	_____
Health Lecture & Activity	(3 SH)		
_____	_____	_____	_____

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

(Revised: September 18, 2002)
(Printed: October 6, 2005)

II. SPECIALIZATION (52 - 53 SH)

	SH	Grade	Date
A. Required Physics Courses	(22 SH)		
PHYS150 Physics Orientation	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	_____	_____
ENGR303 Engineering Statics	3	_____	_____
ENGR304 Engineering Dynamics	3	_____	_____

B. Required Theoretical Track Courses (23 - 24 SH)

PHYS312 Technical Electronics II	4	_____	_____
Or			
PHYS313 Digital Electronics	3	_____	_____
PHYS305 Classical Physics Laboratory I	2	_____	_____
Or			
PHYS405 Modern Physics Laboratory I	2	_____	_____
PHYS430 Electricity & Magnetism I	3	_____	_____
PHYS441 Thermal Physics	3	_____	_____
PHYS449 Mathematical Methods in Physics	3	_____	_____
PHYS453 Quantum Physics	3	_____	_____

Advanced Physics Electives (6 SH)
(To be chosen from: PHYS410, PHYS420 & PHYS421, PHYS431, PHYS490-493, PHYS496, PHYS497)

C. Related Courses Required (7 SH)

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

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

III. ELECTIVES (To bring to a total of 120 SH)

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

TOTAL CREDITS REQUIRED# (120 SH)

#Note: a minimum of 40% (48 semester hours) of the entire program must be upper level courses (300 and above).