

# 2011-2012 Physics Degree Plan

8/16/11

## Freshman - Fall Semester

## Freshman - Spring Semester

MATH 1513 \* College Algebra  
 MATH 1713 Trigonometry  
 ENG 1113 \* Freshman Composition  
 ---3 \* Humanities-Western Civilization\*\*  
 UNIV 1001 \* Freshman Seminar  
 HPER 2122 \* Choices in Wellness

MATH 2825 Calculus I  
 PS 1113 \* U. S. Government  
 ENG 1213 \* Freshman Composition II  
 CHEM 1114 \* General Chemistry I with lab

**15 Total hours**

**15 Total hours**

## Sophomore - Fall Semester

## Sophomore - Spring Semester

PHYS 2115 Engineering Physics I with lab  
 MATH 3025 Calculus II  
 CHEM 1214 General Chemistry II with lab  
 ---3 Elective

PHYS 2225 Engineering Physics II with lab  
 MATH 3033 Calculus III  
 CMPSC 1113 \* Computer Programming I  
 ---3 \* Social Sciences\*\*  
 ---3 Elective

**17 Total hours**

**17 Total hours**

## Jr. or Sr. Odd Year Fall

## Jr. or Sr. Even Year Spring

---3 \* U. S. History Survey  
 PHYS 3013 Modern Physics  
 PHYS 4113 Electricity & Magnetism  
 PHYS 3813 Optics  
 UNIV 3001 \* General Education Seminar

PHYS 3411 Jr. Physics Lab  
 COMM ---3 \* Communications elective  
 PHYS 3113 Mechanics I  
 MATH 4113 Differential Equations  
 ---3 Technical writing elective recommended  
 1114 \* General Biology

**13 Total hours**

**17 Total hours**

## Jr. or Sr. Even Year Fall

## Jr. or Sr. Odd Year Spring

PHYS 4513 Quantum Mechanics  
 PHYS 3--- Required physics el.  
 ---6 Electives  
 ---3 \* Hum/Cultural Diversity Elective\*\*

PHYS 4313 Intro to Nuclear Physics  
 PHYS 3713 Thermodynamics  
 ---6 Elective  
 ---3 \* Humanities/Soc. Sci. elective\*\*

**15 Total hours**

**15 Total hours**

**Total degree plan hours:**

**124**

\* General Education Requirement

\*\* See current catalog "General Education Requirements" for selection