

# ENGINEERING PHYSICS MAJOR

## Requirements for a Major in Engineering Physics

### Bachelor of Science

Code	Title	Hours
ENGR 400 or ENGR 401	Solid Mechanics Lab Fluid Mechanics Lab	1
EPHY 150	Introduction to Engineering:Stress, Strain, and Fluids	3
EPHY 250	Engineering Mechanics:Statics	3
EPHY 255	Engineering Mechanics:Dynamics	4
EPHY 300	Mechanics of Solids	3
EPHY 350	Fluid Mechanics	3
EPHY 496	Engineering Physics Capstone	3
PHYS 151	Introductory Physics	4
PHYS 152	Introductory Physics	4
PHYS 210	Digital Electronics	4
<i>Select one Elective course from the following: <sup>1</sup></i>		3
PHYS 205	Modern Physics	
PHYS 340	Electricity and Magnetism	
PHYS 350	Computational Physics	
PHYS 381	Special Topics in Physics	
PHYS 382	Special Topics in Physics	
PHYS 440	Statistical and Thermal Physics	
PHYS 445	Solid State Physics	
ASTR 231 & ASTR 232	Astrophysics I and Astrophysics II	
<i>Select one two-semester science sequence from the following:</i>		8
BIOL 121	Foundations of Experimental Biology <sup>2</sup>	
CHEM 220 & CHEM 230	Basic Inorganic Chemistry and Quantitative Chemical Analysis	
CHEM 215 & CHEM 220	Principles of Chemistry and Basic Inorganic Chemistry	
CHEM 215 & CHEM 230	Principles of Chemistry and Quantitative Chemical Analysis	
CSCI 111 & CSCI 112	Introduction to Computer Science and Data Structures	
EVST 105 & EVST 305	Environmental Problem Solving I and Environmental Problem Solving II	
GEOL 101 & GEOL 201	Introduction to Geology and the Environment and Watershed Hydrology and Water Resources	
<b>Total Hours</b>		<b>43</b>

<sup>1</sup> Or a substitution approved by the department

<sup>2</sup> And another 4-credit BIOL lab course

Receive a grade of C- or better in these courses.

A student who majors in Engineering Physics may not also major Engineering.