

## PRE-ENGINEERING MAJOR (Even year, Calculus) Four Year Plan

This is a suggested program guide. It is not to be interpreted as a contract. Changes may occur. Please see your program advisor before you register for courses. Updated 3/21 SH

YEAR	FALL	SPRING
First Year	BENV100 Becoming a Scholar 3 <b>CEM 121 General Inorganic Chemistry 1</b> 5 <b>CPS 108 Computer Programming</b> 3 <b>MAT 135 Calculus I</b> 5 Total 16	Writing Well Competency 3 <b>CEM 122 General Inorganic Chemistry 2</b> 5 <b>PHY 150 Engineering Seminar</b> 1 <b>MAT 136 Calculus 2</b> 5 Total 14
Second Year	BENV200 Learning in Community 5 Living Well Competency 2 <b>PHY 211 Physics for Science/Engineer.</b> 5 <b>MAT 225 Multivariate Calculus</b> 3 Total 15	Speaking & Listening Competency 3 Creative Expression Competency 3 Reading the Bible Competency 3 <b>PHY 212 Physics for Science/Engineering 2</b> 5 Total 14
Third Year	Understanding Self and Society Competency 3 Exploring the Past Competency 3 Electives 6 <b>*MAT 350 Differential Equations</b> 3 Total 15	Electives 9 BENV300 Cross-cultural Experience 3 <b>*PHY 375 Analytical Mechanics</b> 3 Total 15
Fourth Year	Religious Understanding Competency 3 Electives 5 <b>*PHY 360 Linear Electronics</b> 4 <b>PHY 326 Therm/Mod/Nucl/Quan Physics 1</b> 5 Total 17	Electives 11 BENV400 Christian Values in Global Community 2 <b>*PHY 340 Engineering Statics</b> 3 Total 16

124 total hours to complete graduation requirements (this includes 2 hours of arts and lecture credit)

\*Alternate year courses

**Bold face print denotes major course requirement**

The Scientific Inquiry and Critical Analysis Competencies are met by the major.