

PRE-ENGINEERING MAJOR (Odd 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 3/19

YEAR	FALL	SPRING
First Year	BENV100 Becoming a Scholar 3 CEM 121 General Inorganic Chemistry 1** 5 CPS 108 Computer Programming 3 MAT 135 Calculus I <u>5</u> Total 16	Writing Well Competency 3 CEM 122 General Inorganic Chemistry 2** 5 PHY 150 Engineering Seminar 1 MAT 136 Calculus 2 5 Living Well Competency <u>2-3</u> Total 16-17
Second Year	Reading the Bible Competency 3 Understanding Self and Society Competency 3 Elective 1 PHY 211 Physics for Science/Engineering 1** <u>5</u> MAT 225 Multivariate Calculus <u>3</u> Total 15	BENV200 Learning in Community 5 Speaking and Listening Competency 3 Elective 2 PHY 212 Physics for Science/Engineering 2** <u>5</u> Total 15
Third Year	Creative Expression Competency 3 Electives 8 PHY 360 Linear Electronics* <u>4</u> Total 15	Exploring the Past Competency 3 Elective 7 BENV300 Cross-cultural Experience 3 PHY 340 Engineering Statics* <u>3</u> Total 16
Fourth Year	BENV400 Christian Values in a Global Comm. 2 Electives 4 MAT 350 Differential Equations* 3 PHY 326 Thermal/Modern/Nuclear/Quantum 1* <u>5</u> Total 14	Religious Understanding Competency 3 Electives 9 PHY 375 Analytical Mechanics* <u>3</u> Total 15

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

*Alternate year courses

**Students in the pre-engineering calculus track can enroll in physics their first year and chemistry their second year (with approval from their PHY 211 course instructor)

Note: Students pursuing transfer after three years into an accredited engineering program will need additional advising beyond this plan.

Boldface print denotes major course requirement