

PRE-ENGINEERING MAJOR (Odd year, Pre-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 8/23

| YEAR | FALL | SPRING |
|-------------|--|--|
| First Year | BENV100 Becoming a Scholar 3 CEM 121 General Inorganic Chemistry 1 5 CPS 108 Computer Programming 3 MAT 114 Pre-calculus 4 Total 15 | Writing Well Competency 3 CEM 122 General Inorganic Chemistry 2 5 PHY 150 Engineering Seminar 1 Living Well Competency 2 MAT 135 Calculus I 5 Total 16 |
| Second Year | BENV200 Learning in Community 5 Speaking and Listening Competency 3 Creative Expression Competency 3 PHY 211 Physics for Science/Engineer. 5 Total 16 | Reading the Bible Competency 3 Understanding Self and Society Competency 3 PHY 212 Physics for Science/Engineering 2 5 MAT 136 Calculus 2 5 Total 16 |
| Third Year | Exploring the Past Competency 3 Electives 6 *PHY 360 Linear Electronics 4 MAT 225 Multivariate Calculus 3 Total 16 | Electives 9 BENV300 Cross-cultural Experience 3 *PHY 375 Analytical Mechanics 3 Total 15 |
| Fourth Year | Religious Understanding Competency 3 Electives 3 *MAT 350 Differential Equations 3 PHY 326 Therm/Mod/Nuclr/Quant Physics 1 5 Total 14 | Electives 9 BENV400 Enduring Values Capstone 2 *PHY 340 Engineering Statics 3 Total 14 |

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.