

**Bachelor of Science (B.S.) degree with major in Engineering
with Mechanical Concentration
Sample Four-Year Plan**

Freshman Year – Fall (15 hours)

CHM 1124 General Chemistry I
COR 1002 Gateway Seminar in Christian Scholarship
EGL 1013 English I: Composition
EN 1112 Engineering Concepts and Design
MTH 1134 Calculus I

Freshman Year – Spring (16 hours)

BBL 1013 Old Testament Survey
EGL 1023 English II: Literary Analysis and Research
EN 1223 Concepts in Mechanical Engineering
EN 1323 Concepts in Electrical Engineering
MTH 1144 Calculus II

Sophomore Year – Fall (17 hours)

CS 1113 Introduction to Computing
EE 2213 Digital Electronics
HST 1013 Western Civilization I
MTH 2114 Linear Algebra and Differential Equations
PHY 2114 General Physics I

Sophomore Year – Spring(18 hours)

BBL 1023 New Testament Survey
EE 2223 Electrical Circuits
EN 2322 Engineering Economics
HST 1023 Western Civilization II
MTH 2123 Vector Calculus
PHY 2124 General Physics II

Junior Year – Fall (18 hours)

BBL 3003 Evangelical Theology
EE 3313 Electronics I
EN 3413 Linear Signals and Systems
ME 3113 Thermal Sciences
ME 3313 Statics and Strength of Materials
POL 2013 American Government

Junior Year – Spring (17 hours)

EN 3222 Design Lab
ME 3123 Dynamics
ME 3223 Thermodynamics
MTH 3183 Probability and Statistics
___3 Philosophy elective
___3 Technical elective

Senior Year – Fall (18 hours)

EN 3213 Engineering Materials Science
EN 3513 International Problem Solving
EN 4113 Engineering Design I
ME 4113 Machine Design
ME 4323 Fluid Mechanics
___3 hours Technical elective

Senior Year – Spring (17 hours)

BBL 4002 Capstone Seminar in Christian Life
EN 4123 Engineering Design II
EN 4323 Control Systems
ME 4213 Heat Transfer
___3 The Arts elective
___3 Technical elective

Total 136 hours