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