

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

First Year Fall

COR 1002 Gateway Seminar
EGL 1013 English I
MTH 1134 Calculus I
RE 1113 Introduction to Renewable Energy
EN 1112 Engineering Concepts and Design
Total Hours 14

First Year Spring

BBL 1023 New Testament Survey
EGL 1023 English II
MTH 1144 Calculus II
EN 1323 Concepts in Electrical Engineering
EN 1223 Concepts in Mechanical Engineering
EN 2322 Engineering Economics
Total Hours 18

Second Year Fall

CHM 1124 General Chemistry I
CS 1113 Introduction to Computer Science
PHY 2114 General Physics I
MTH 2114 Linear Algebra & Differential Equations
RE 2121 Practicum in Renewable Energy
Total Hours 16

Second Year Spring

BBL 1013 Old Testament Survey
CHM 2154 General, Organic, and Biochemistry
PHY 2124 Physics II
MTH 2123 Vector Calculus
EE 2223 Electrical Circuits
Total Hours 17

Third Year Fall

EN 3413 Linear Signals & Systems
EE 2213 Digital Electronics
EE 3313 Electronics I
ME 3113 Thermal Sciences
RE 3123 Bio-Fuels
ME 3313 Statics and Strength of Materials
Total Hours 18

Third Year Spring

BBL 3003 Evangelical Theology
HST 1013 Western Civilization I
MTH 3183 Probability and Statistics
EN 3222 Design Lab
RE 3143 Wind Energy
___ ___3 Technical Elective
Total Hours 17

Fourth Year Fall

___ ___3 Philosophy Elective
HST 1023 Western Civilization II
EN 3513 International Problem Solving
EN 3213 Engineering Materials Science
EN 4113 Engineering Design I
RE 3163 Solar Energy
Total Hours 18

Fourth Year Spring

BBL 4002 Capstone Seminar Christian Life
POL 2013 American Government
___ ___3 ART Elective
EN 4123 Engineering Design II
EN 4323 Control Systems
___ ___3 Technical Elective
Total Hours 17

Total 135 hours