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**