SUSTAINABLE & RENEWABLE ENERGY ENGINEERING - STREAM B

FIRST YEAR

FALL
- MATH 1004 Calculus for Eng. Students
  - CHEM 1101 Chemistry for Eng. Students
  - PHYS 1004 Introductory Electromagnetism & Wave Motion
  - Elective Basic Science Elective
- Elective Complementary Studies Elective

WINTER
- MATH 1104 Linear Algebra for Eng. Students
- Elective Complementary Studies Elective
- ECOR 1041 Computation & Prog. (0.25 credit)
- ECOR 1042 Data Management (0.25 credit)
- ECOR 1043 Circuits (0.25 credit)
- ECOR 1044 Electronics (0.25 credit)
- ECOR 1045 Intro to Engineering Disciplines I (0.0 credit)
- ECOR 1046 Intro to Engineering Disciplines II (0.0 credit)
- ECOR 1047 Visual Comm. (0.25 credit)
- ECOR 1048 Dynamics (0.25 credit)
- Weeks 7-12

SECOND YEAR

FALL
- MATH 1005 Differential Equations & Infinite Series for Eng. Students
- MAAE 2001 Engineering Graphical Design
- MAAE 2101 Engineering Dynamics
- MAAE 2400 Thermodynamics & Heat Transfer
- ELEC 2605 Electrical Engineering
- ECOR 2050 Design & Analysis of Engineering Experiments

WINTER
- MATH 2004 Multivariable Calculus for Eng. Students
- MAAE 2202 Mechanics of Solids I
- MAAE 2300 Fluid Mechanics I
- ELEC 2650 Electrical Engineering
- ECOR 2050 Design & Analysis of Engineering Experiments

THIRD YEAR

FALL
- MATH 3705 Mathematical Methods I
- MAAE 2700 Engineering Materials
- SREE 3001 Sustainable & Renewable Energy Sources
- ECOR 3800 Engineering Economics
- CCDP 2100 Communication Skills for Eng. Students

WINTER
- MAAE 3300 Fluid Mechanics II
- MAAE 3400 Applied Thermodynamics
- SREE 3002 Electrical Use & Distribution
- ELEC 4602 Electrical Power Engineering
- ELEC 4602 Electrical Power Engineering

FOURTH YEAR

FALL
- MAAE 3500 Feedback Control Systems
- SREE 3003 Sustainable & Renewable Electricity Generation
- MAAE 4907 Engineering Design Project (note b) (1.0 credit)
- MECH 4408 Thermofluids & Energy System Design

WINTER
- MAAE 4907 Engineering Design Project (note b) (1.0 credit)
- SREE 4002 The Energy Economy, Reliability & Risk
- SYSC 3200 Industrial Engineering
- Elective Engineering Elective (note a)

Notes:
(a) 0.5 credits in any 4000-level Engineering course for which all prerequisites have been satisfied.
(b) Students must complete all first and second year courses, as well as 3.5 credits of third year courses (with the exception of Complementary Studies Elective) to enroll in MAAE 4907 (Eng. Design Project).

Students wanting to register in 2nd year status requirement courses must complete all first year Science, Mathematics and Engineering courses [including a C- (C minus) grade or better in all ECOR 104x courses].

*Dashed arrow indicates concurrent prerequisite, dashed box indicates zero credit course
*2nd, 3rd, or 4th designation above a course defines 2nd, 3rd or 4th year status as a prerequisite