SUSTAINABLE & RENEWABLE ENERGY ENGINEERING - STREAM A

**FIRST YEAR**

**FALL**
- ECOR 1051: Fundamentals of Engineering I
- MATH 1004: Calculus for Eng. Students
- CHEM 1101: Chemistry for Eng. Students
- PHYS 1004: Introductory Electromagnetism & Wave Motion
- Elective: Complementary Studies Elective

**WINTER**
- ECOR 1053: Fundamentals of Engineering II
- ELEC 2607: Switching Circuits
- MAAE 2400: Thermodynamics and Heat Transfer
- MATH 1104: Linear Algebra for Eng. Students
- Elective: Basic Science Elective

**SECOND YEAR**

**FALL**
- MATH 1005: Differential Equations and Infinite Series for Eng. Students
- ELEC 2507: Electronics I
- MAAE 2300: Fluid Mechanics I
- PHIL 2004: Multivariable Calculus for Eng. Students
- Elective: Mathematics and Statistics

**WINTER**
- ECOR 1054: Fundamentals of Engineering IV
- ELEC 2602: Electrical Machines
- ENVE 2001: Introduction to Basic Science Engineering Students
- PHYS 1004: Introductory Electromagnetism & Wave Motion
- Elective: Complementary Studies Elective

**THIRD YEAR**

**FALL**
- SREE 3001: Sustainable & Renewable Energy Sources
- ELEC 3508: Electrical Power Engineering
- ELEC 4602: Basic EM & Power Engineering
- ELEC 4601: Micro-processors
- Elective: Engineering Elective (note a)

**WINTER**
- SYSC 4505: Automatic Control Systems
- SYSC 4602: Computer Communications
- ELEC 4703: Solar Cells and Applications
- ELEC 4601: Micro-processors
- Elective: Engineering Elective (note b)

**FOURTH YEAR**

**FALL**
- SREE 4907: Engineering Project
- ECOR 4995: Professional Practice
- ELEC 4703: Solar Cells and Applications
- ELEC 4601: Micro-processors
- Elective: Engineering Elective (note a)

**WINTER**
- SREE 4002: The Energy Economy
- ELEC 4703: Solar Cells and Applications
- ELEC 4601: Micro-processors
- Elective: Engineering Elective (note b)

**Notes:**
(a) 0.5 credits in any 3000- or 4000-level Engineering course for which all prerequisites have been satisfied.
(b) 0.5 credits in any 4000-level Engineering course for which all prerequisites have been satisfied.

Students wanting to register in 2nd Year Status courses must complete all first year Science, Mathematics and Engineering (including a C-(C minus) grade or better in ECOR 1051, 1052, 1053 and 1054).

Students must complete all 1st, 2nd, and 3.5 credits of 3rd year (with the exception of Complementary Studies Electives) to enroll in SREE 4907 (Design Project).