Sustainable & Renewable Energy Engineering - Stream A

Course Prerequisites and Year Status Requirements

The Faculty of Engineering and Design strictly upholds course prerequisites. Course prerequisites are found in the Undergraduate Calendar course descriptions, and are indicated by arrows* between courses in this program map.

Year status in Engineering prerequisites (as noted by 2nd, 3rd, or 4th above the course box) vary year to year, please carefully review requirements for your catalog year.

Academic Advising

Obtaining regular academic advising and support for course planning is essential for engineering students who are "off-pattern" from their program map. Please contact your program advisor:

First year students (new and returning): ECORSupport@carleton.ca

Second year and higher students: https://www.doe.carleton.ca/ugtickets/

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 SREE 4907 (Design Project).

(c) ECOR 4995 may be taken in Fall term, if required due to limited elective options in Fall term.

* Please run your audit after making any registration changes to verify they have been applied successfully.

Arrow Legend:

- Required prerequisite
- Concurrent prerequisite

Kindly note: this program map has been designed to ease course planning and registration for engineering students, information is accurate at the time this document is produced. Prerequisites, course titles, course offerings, and course schedule patterns are based on the academic year in which this map was prepared and are subject to change. Please contact EngAcadSupport@carleton.ca for inquiries regarding this program map.

First Year:

**FALL**

- MATH 1004 Calculus for Eng. Students
- MATH 1104 Linear Algebra for Eng. Students
- PHYS 1004 Introductory Electromagnetics & Waves
- CHEM 1101 Chemistry for Eng. Students

**WINTER**

- ECOR 1041 Introduction to Engineering
- ECOR 1045 Data Management
- ECOR 1046 Mechanics (0.25 credit)
- ECOR 1047 Circuits (0.25 credit)

Second Year:

**FALL**

- MATH 1005 Differential Equations & Infinite Series for Eng. Students
- MATH 2004 Multivariable Calculus for Eng. Students
- ELEC 2501 Circuits & Signals
- ELEC 2507 Electromechanics

**WINTER**

- ELEC 2607 Switching Circuits
- ELEC 2602 Electrical Machines and Power

Third Year:

**FALL**

- MAAE 2400 Thermodynamics & Heat Transfer
- MAAE 2300 Fluid Mechanics

**WINTER**

- MATH 2057 Engineering Proficiency
- ELEC 3001 & 3003 Sustainable Renewable Energy Sources
- ELEC 3002 Electrical Distribution Systems

Fourth Year:

**WINTER**

- SREE 4907 Energy Engineering Project (note b) (1.0 credit)
- SREE 4002 Energy Engineering Project (note c) (3.5 credit)
- SREE 4995 Professional Practice (0.0 credit)

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(c) ECOR 4995 may be taken in Fall term, if required due to limited elective options in Fall term.

Notes:

- Please run your audit after making any registration changes to verify they have been applied successfully.