

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		Notes
FALL	WINTER	FALL	WINTER	FALL	WINTER	FALL	WINTER	Course Prerequisites and Year Status Requirements
MATH 1004 Calculus for Eng. Students MATH 1104 Linear Algebra for Eng. Students Elective Basic Science Elective ECOR 1031 Programming & Data Management ECOR 1032 Circuits & Mechatronics ECOR 1055 Introduction to Engineering Disciplines I (0.0 credit) ECOR 1057 Engineering Profession (0.0 credit)	Elective Complementary Studies Elective PHYS 1004 Introductory Electromagnetism & Wave Motion CHEM 1101 Chemistry for Eng. Students ECOR 1033 Statics ECOR 1034 Dynamics ECOR 1056 Introduction to Engineering Disciplines II (0.0 credit)	MATH 1005 Differential Equations & Infinite Series for Eng. Students ELEC 2501 Circuits & Signals ELEC 2607 Switching Circuits SYSC 2006 Foundations of Imperative Programming MAAE 2400 Thermodynamics & Heat Transfer	MATH 2004 Multivariable Calculus for Eng. Students ELEC 2507 Electronics I ELEC 2602 Electric Machines and Power ENVE 2001 Process Analysis for Environmental Engineering MAAE 2300 Fluid Mechanics I	ELEC 3508 Power Electronics ELEC 3602 Electrical Power Systems ECOR 3800 Engineering Economics SREE 3001 Sustainable & Renewable Energy Sources CCDP 2100 Communication Skills for Eng. Students	ELEC 3105 Electromagnetic Fields SYSC 3600 Systems & Simulation SREE 3002 Electrical Distribution Systems SREE 3003 Sustainable & Renewable Electricity Generation SYSC 3006 Computer Organization ECOR 2050 Design & Analysis of Engineering Experiments	SREE 4907 / ECOR 4907 Energy Engineering Project (note b) (1.0 credit) ELEC 4601 Micro-processors SYSC 4505 Automatic Control Systems SYSC 4602 Computer Communication SREE 4001 Efficient Energy Conversion ECOR 4995 Professional Practice (note c) ECOR 2995 Engineering Portfolio (note d) (0.0 credit)	ELEC 4703 Solar Cells & Applications SREE 4002 Modelling and Analysis of Energy Systems: Risk, Reliability and Economics Elective Engineering Elective (note a) Elective Complementary Studies Elective	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. 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 or ECOR 4907 (Design Project). (c) ECOR 4995 may be taken in Winter term, if required due to limited elective options in Winter term. (d) Please review Engineering Portfolio submission and registration instructions. Students register for ECOR 2995 once 4th year status is achieved, either before or concurrent with ECOR 4995.
*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.						**Please run your audit after making any registration changes to verify they have been applied successfully