

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 CHEM 1101 Chemistry for Eng. Students Elective Complementary Studies Elective ECOR 1041 Computation & Prog. (0.25 credit) ECOR 1043 Circuits (0.25 credit) ECOR 1042 Data Management (0.25 credit) ECOR 1044 Mechatronics (0.25 credit) ECOR 1055 Introduction to Engineering Disciplines I (0.0 credit) ECOR 1057 Engineering Profession (0.0 credit)	MATH 1104 Linear Algebra for Eng. Students Elective Basic Science Elective PHYS 1004 Introductory Electromagnetism & Wave Motion ECOR 1045 Statics (0.25 credit) ECOR 1047 Visual Comm. (0.25 credit) ECOR 1046 Mechanics (0.25 credit) ECOR 1048 Dynamics (0.25 credit) ECOR 1056 Introduction to Engineering Disciplines II (0.0 credit) ECOR 1056 Introduction to Engineering Disciplines II (0.0 credit)	MATH 1005 Differential Equations & Infinite Series for Eng. Students SYSC 2006 Foundation of Imperative Programming SYSC 2310 Introduction to Digital Systems ELEC 2501 Circuits & Signals CCDP 2100 Communication Skills for Eng. Students	MATH 2004 Multivariable Calculus for Eng. Students SYSC 2010 Programming Project SYSC 2320 Computer Organization & Architecture SYSC 2510 Probability, Statistics & Random Processes ELEC 2507 Electronics I	SYSC 3310 Introduction to Real-Time Systems (note a) SYSC 3500 Signals & Systems or SYSC 3600 Systems&Simulation SYSC 4602 Computer Communications ELEC 3509 Electronics II ECOR 3800 Engineering Economics	SYSC 3503 Communication Theory II SYSC 4502 Communication Software (note a) SYSC 2004 O.O. Software Development ELEC 3909 Electromagnetic Waves ECOR 2050 Design & Analysis of Engineering Experiments	SYSC 4907 / ECOR 4907 Engineering Project (1.0 credit) SYSC 4405 Digital Signal Processing SYSC 4604 Digital Communication Theory SYSC 4701 Communications Systems Laboratory SYSC 4810 Introduction to Network & Software Security Elective Engineering Elective (note b) ECOR 2995 Engineering Portfolio (note d) (0.0 credit)	SYSC 4607 Wireless Communication SYSC 4700 Telecomm. Engineering ECOR 4995 Professional Practice (note c) Elective Complementary Studies Elective Elective Engineering Elective (note b)	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. Contact your program advisor: First year students (new and returning): ECORSupport@carleton.ca Second year and higher students: https://ughelp.sce.carleton.ca/ Notes (a) Requires C- (C minus) grade or better in SYSC 2006. (b) 1.0 credits in Electronics (ELEC) or Systems and Computer (SYSC) at the 3000- or 4000-level (may include 1.0 credit in SYSC at the 5000-level). (c) ECOR 4995 can be taken in Fall term, if required due to limited elective options in Fall 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