

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		Notes
FALL	WINTER	FALL	WINTER	FALL	WINTER	FALL	WINTER	<p>Course Prerequisites and Year Status Requirements</p> <p>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.</p> <p>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.</p> <p>Academic Advising</p> <p>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:</p> <p>First year students (new and returning): ECORSupport@carleton.ca</p> <p>Second year and higher students: Who to contact in CEE?</p> <p>Notes</p> <p>(a) 1.0 credits in CIVE 3304, CIVE 4208, CIVE 4301, CIVE 4303, CIVE 4400, ENVE 4002, ENVE 4105, ENVE 4106, ENVE 4200, ENVE 4907, ENVE 4917, MECH 4401, MECH 4403, MECH 4406, MECH 4407, SYSC 3200, SREE 3001 or SREE 4002.</p> <p>(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 ENVE 4918 or ECOR 4907 (Design Project).</p> <p>(c) ECOR 4995 can be taken in Fall term, if required due to limited elective options in Fall term.</p> <p>(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.</p>
<div>MATH 1004 Calculus for Eng. Students</div>	<div>Elective Complementary Studies Elective</div>	<div>MATH 1005 Differential Equations & Infinite Series for Eng. Students</div>	<div>MATH 2004 Multivariable Calculus for Eng. Students</div>	<div>2nd ENVE 3002 Systems Modeling</div>	<div>ENVE 3001 Water Treatment</div>	<div>ENVE 4918 / ECOR 4907 Design Project (note b) (1.0 credit)</div>		
<div>MATH 1104 Linear Algebra for Eng. Students</div>	<div>PHYS 1004 Introductory Electromagnetism & Wave Motion</div>	<div>BIOL 1103 Foundations of Biology I</div>	<div>BIOL 1104 Foundations of Biology II</div>	<div>3rd ENVE 3003 Water Resources Engineering</div>	<div>ENVE 3004 Contaminant/ Pollutant Transport</div>	<div>ENVE 4005 Wastewater Treatment Principles & Design</div>	<div>4th ENVE 4104 Environmental Planning & Impact Assessment</div>	
<div>CHEM 1001 General Chemistry I</div>	<div>CHEM 1002 General Chemistry II</div>	<div>2nd CIVE 2200 Mechanics of Solids I</div>	<div>2nd ENVE 2001 Process Analysis for Environmental Engineering</div>	<div>3rd CIVE 3208 Geotechnical Mechanics</div>	<div>CIVE 4307 Municipal Hydraulics</div>	<div>ENVE 4101 Waste Management</div>	<div>Elective Complementary Studies Elective</div>	
<div>ECOR 1031 Programming & Data Management</div>	<div>ECOR 1033 Statics</div>	<div>2nd MAAE 2400 Thermodynamics & Heat Transfer</div>	<div>ERTH 2404 Engineering Geoscience</div>	<div>2nd ECOR 2050 Design & Analysis of Engineering Experiments</div>	<div>2nd CIVE 2700 Civil Engineering Materials</div>	<div>ENVE 4006 Contaminant Hydrology</div>	<div>Elective Engineering Elective (note a)</div>	
<div>ECOR 1032 Circuits & Mechatronics</div>	<div>ECOR 1034 Dynamics</div>	<div>2nd MAAE 2300 Fluid Mechanics I</div>	<div>CHEM 2800 Foundations for Environmental Chemistry</div>	<div>CHEM 3800 Chemistry of Environmental Pollutants</div>	<div>CCDP 2100 Communication Skills for Eng. Students</div>	<div>4th ENVE 4003 Air Pollution & Emissions Control</div>	<div>Elective Engineering Elective (note a)</div>	
<div>ECOR 1055 Introduction to Engineering Disciplines I (0.0 credit)</div>	<div>ECOR 1056 Introduction to Engineering Disciplines II (0.0 credit)</div>							
<div>ECOR 1057 Engineering Profession (0.0 credit)</div>					<div>3rd ECOR 3800 Engineering Economics</div>	<div>ECOR 2995 Engineering Portfolio (note d) (0.0 credit)</div>	<div>4th ECOR 4995 Professional Practice (note c)</div>	
<p>*Arrow Legend</p> <p>————> Required prerequisite</p> <p>-----> Concurrent prerequisite</p>		<p>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.</p>						<p>**Please run your audit after making any registration changes to verify they have been applied successfully</p>