## COMMUNICATIONS ENGINEERING Updated: 06/20/2022 Catalog Year: 202230 **FOURTH YEAR FIRST YEAR SECOND YEAR** THIRD YEAR Notes **FALL WINTER FALL WINTER FALL WINTER FALL** WINTER Course Prerequisites and Year Status Requirements MATH 1005 The Faculty of Engineering and Design strictly **MATH 2004 SYSC 3310 MATH 1004 MATH 1104** SYSC 3503 **SYSC 4907** Differ ential Multivariable Introduction to upholds course prerequisites. Course prerequisites Engineering Project Calculus for Linear Algebra for Equations & Communication Calculus for Real-Time Systems Infinite Series for (1.0 credit) Eng. Students Eng. Students Theory II are found in the Undergraduate Calendar course Eng. Students (note a) Eng. Students descriptions, and are indicated by arrows\* between courses in this program map. Year status in Engineering prerequisites (as noted by **CHEM 1101** Elective 2nd 2nd 2nd Chemistry for Basic Science 2nd, 3rd, or 4th above the course box) vary year to Eng. Students Elective **SYSC 2006** SYSC 2004 SYSC 4502 **SYSC 4405** SYSC 4607 year, please carefully review requirements for your SYSC 3500 Foundation O.O. Software Communication Digital Signal Wireless of Imperative Signals & Systems catalog year. Development Software Processing Communication Programming Academic Advising **PHYS 1004** Elective Introductory Complementary Electromagnetism Obtaining regular academic advising and support Studies Elective & Wave Motion 2nd 4th 2nd 3rd for course planning is essential for engineering **SYSC 2320 SYSC 4604** students who are "off-pattern" from their program SYSC 4700 **SYSC 2310** SYSC 4602 SYSC 4504 Computer Digital ECOR 1041 **ECOR 1045** Introduction to Computer Telecomm map. Contact your program advisor: Organization & Communication Web Development Computation & Prop Digital Systems Communications Engineering Ar chitecture Theory (0.25 credit) (0.25 credit) First year students (new and returning): ECORSupport@carleton.ca **ECOR 1043 ECOR 1047** Circuits Visual Comm Second year and higher students: (0.25 credit) (0.25 credit) https://ughelp.sce.carleton.ca/ SYSC 2510 **ECOR 4995 ELEC 3909** SYSC 4701 **ELEC 2501 ELEC 3509** Probability. Professional Electromagnetic Communications ECOR 1046 **ECOR 1042** Statistics & Random Notes Practice Circuits & Signals Electronics I Waves Systems Laboratory Data Management Mechanics Processes (note c) (0.25 credit) (0.25 credit) (a) Requires C- (C minus) grade or better in SYSC 2006. **ECOR 1044 ECOR 1048** Mechatronics Dynamics (b) SYSC 2010 or Electronics (ELEC) or Systems and (0.25 credit) (0.25 credit) Computer (SYSC) course at the 3000- or 4000-level (may **CCDP 2100 ECOR 2050 SYSC 4810** include 1.0 credit in SYSC at the 5000-level). **ECOR 3800** Elective **ELEC 2507** Design & Analysis Communication Introduction to Engineering Complementary Skills for Network & Software ECOR 1055 **ECOR 1056** ofEngineering Electronics I Economics Studies Elective Ena. Students Experiments Security Introduction to Introduction to (c) ECOR 4995 can be taken in Fall term, if required due Engineering Engineering Disciplines I Disciplines II to limited elective options in Fall term. (0.0 credit) (0.0 credit) **ECOR 1057**

\*Arrow Legend Required prerequisite

Concurrent prerequisite

Engineering

Profession

(0.0 credit)

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 <a href="mailto:EnaAcadSupport@carleton.ca">EnaAcadSupport@carleton.ca</a> for inquiries regarding this program map.

ECOR 2995

Engineering

Portfolio

(0.0 credit)

IMPORTANT: A minimum grade of C- (C minus) is

required in SYSC 2006 for degree progression.

\*\*Please run your <u>audit</u> after making any registration changes to verify they have been applied successfully

**Elective** 

Engineering Elective

(note b)

Elective

Engineering Elective

(note b)