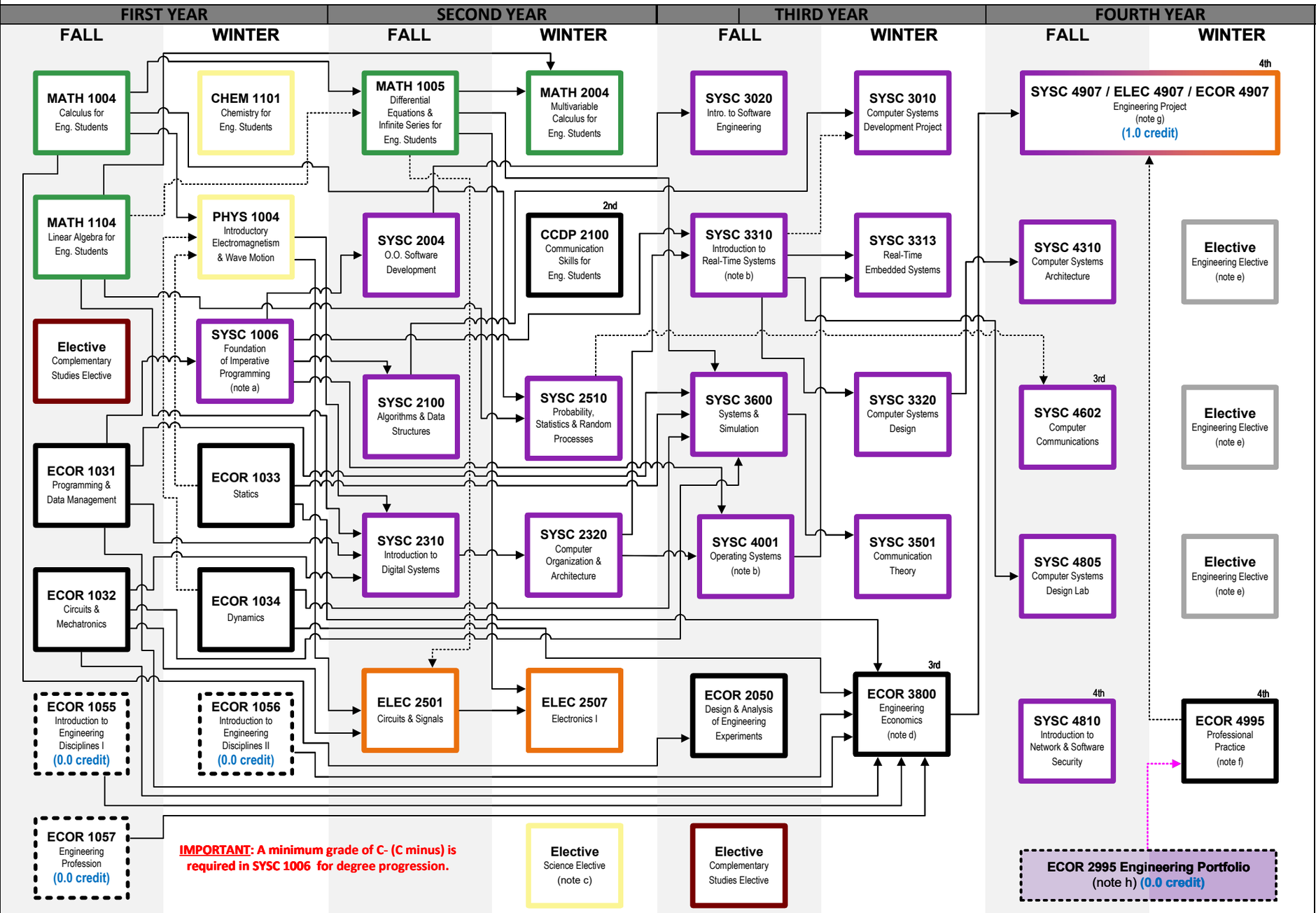
Catalog Year: 202630

COMPUTER SYSTEMS ENGINEERING

Updated: 10/06/2026



Notes

Course Prerequisites and Year Standing 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 Standing is enforced as per the Academic Regulations (as noted by 2nd, 3rd, or 4th above the course box).

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 ECOR 1031.

(b) Requires C- (C minus) grade or better in SYSC 1006.

(c) 0.5 credit in Science Electives for Computer Systems Engineering.

(d) ECOR 3800 requires prior completion of all ECOR 1031, ECOR 1032, ECOR 1033, ECOR 1034, ECOR 1055, ECOR 1056 and ECOR 1057.

(e) 1.5 credits in Electronics (ELEC) or Systems and Computer (SYSC) at the 3000- or 4000-level (may include up to 1.0 credits in SYSC at the 5000-level) or MECH 4503.

(f) ECOR 4995 can be taken in Winter term, if required due to limited elective options in Winter term.

(g) Register in SYSC 4907 if your project supervisor is in SCE; register in ELEC 4907 if your project supervisor is in DOE.

(h) Recommended Timeline for ECOR 2995 – Engineering Portfolio: Please review requirements of coursework that must be completed prior to ECOR 2995 posted HERE. You can register for ECOR 2995 before or in the same term as 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**