



FALL

- CHEM*1040 General Chemistry
- ENGG*1410 Introductory Programming for Engineers
- ENGG*1100 Engineering & Design I
- MATH*1200 Calculus I
- PHYS*1130 Physics with Applications

COOP*1100 Intro to Co-op Education (On-line course 0.00 Credits)

RESTRICTED ELECTIVES 0.5 Credits

ENGG*2400 Engineering Systems Analysis

MATH*2270 Differential Equations

CIS*2520 Data Structures

STAT*2120 Stats for Engineers

ENGG*2410 Digital Systems Using Descriptive Languages

ENGG*4450 Large-Scale Software Architecture Engineering

ENGG*3390 Signal Processing

ENGG*3450 Electrical Devices

ENGG*3640 Microcomputer Interfacing

HIST*1250 Science & Technology in a Global Context

RESTRICTED ELECTIVES 0.5 Credits

ENGG*3050 Embedded Systems

ENGG*4420 Real-time Systems Design

ENGG*3240 Engineering Economics

RESTRICTED ELECTIVES 1.00 Credits

COOP WORK TERM

ENGG*4000 Proposal for ENGG*4170 (On-line course 0.00 Credits)

WINTER

- ENGG*1420 Object-Oriented Programming for Engineers
- ENGG*1210 Engineering Mechanics I
- ENGG*1500 Engineering Analysis
- MATH*1210 Calculus II
- PHYS*1010 Introductory Electricity & Magnetism

CIS*2910 Discrete Structures in Computing II

ENGG*2100 Engineering & Design II

ENGG*3380 Computer Organization & Design

ENGG*2450 Electric Circuits

MATH*2130 Numerical Methods

RESTRICTED ELECTIVES 0.50 Credits

ENGG*3100 Engineering & Design III

ENGG*3410 Systems & Control Theory

CIS*3110 Operating Systems

CIS*3490 Analysis & Design of Computer Algorithms

ENGG*3210 Communications Systems

RESTRICTED ELECTIVES 0.50 Credits

ENGG*4170 Computer Eng. Design

ENGG*4540 Advanced Computer Architecture

ENGG*4550 VLSI Digital Design

RESTRICTED ELECTIVES 1.00 Credits

COOP WORK TERM

SUMMER

COOP WORK TERM

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COOP WORK TERM

TITLE
2021-2022 COMPUTER ENGINEERING PROGRAM MAP, CO-OP

LEGEND
PREREQUISITE →
COREQUISITE ⇌

REVISED
06-07-2022

NOTES
1. ADVISING TOOL ONLY. REFER TO CALENDAR FOR OFFICIAL PROGRAM REQUIREMENTS AND COURSE PREREQUISITES