



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

- 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\*3240 Engineering Economics
- ENGG\*4420 Real-time Systems Design
- RESTRICTED ELECTIVES 1.00 Credits
- 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

**TITLE**  
2023 COMPUTER ENGINEERING PROGRAM MAP

**LEGEND**  
PREREQUISITE ———>  
COREQUISITE ———>

**REVISED**  
21-09-2023

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