



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 2021 - 2022 COMPUTER ENGINEERING PROGRAM MAP		REVISED 06-07-2022
LEGEND	→	
PREREQUISITE	→	
COREQUISITE	→	
NOTES		
1. ADVISING TOOL ONLY. REFER TO CALENDAR FOR OFFICIAL PROGRAM REQUIREMENTS AND COURSE PREREQUISITES		