



FALL

CHEM*1040
General Chemistry

CIS*1500
Introduction to Programing

MATH*1200
Calculus I

ENGG*1100
Engineering & Design I

ENGG*1210 Eng. Mechanics I
OR
HIST*1250 Science & Tech.

CIS*2500
Intermediate Programming

ENGG*1500
Engineering Analysis

MATH*1210
Calculus II

PHYS*1130
Physics with Applications

PHYS*1010
Introductory Electricity & Magnetism

CIS*2430
Object Oriented Programming

ENGG*2400
Engineering Systems Analysis

MATH*2270
Differential Equations

CIS*2520
Data Structures

CIS*2910
Discrete Structures in Computing II

ENGG*2410
Digital Systems Design Using Descriptive Languages

ENGG*2100
Engineering & Design II

ENGG*3380
Computer Organization & Design

ENGG*2450
Electric Circuits

STAT*2120
Probability & Stats for Engineers

MATH*2130
Numerical Methods

RESTRICTED ELECTIVES
0.50 Credits

ENGG*2120
Material Science

ENGG*3390
Signal Processing

ENGG*3240
Engineering Economics

ENGG*3450
Electronic Devices

ENGG*3640
Microcomputer Interfacing

RESTRICTED ELECTIVES
0.5 Credits

ENGG*3100
Engineering & Design III

ENGG*3410
Systems & Control Theory

CIS*3110
Operating Systems

CIS*3490
Analysis & Design of Computer Algorithms

ENGG*3210
Communication Systems

RESTRICTED ELECTIVES
0.50 Credits

ENGG*4420
Real-time Systems Design

ENGG*4080
Micro & Nano-Scale Electronics

ENGG*4450
Large-Scale Software Architecture Engineering

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

RESTRICTED ELECTIVES
1.00 Credits

ENGG*4170
Computer Eng. Design IV

ENGG*4540
Advanced Computer Architecture

ENGG*4550
VLSI Digital Design

RESTRICTED ELECTIVES
1.00 Credits

ONE IN FALL
ONE IN WINTER

WINTER

TITLE 2016 - 2018 COMPUTER ENGINEERING PROGRAM MAP	
LEGEND PREREQUISITE →	REVISED 06-09-2020
COREQUISITE —→	
NOTES 1. NOT THE OFFICIAL SCHEDULE OF STUDIES; FOR GUIDANCE PURPOSES ONLY	