



FALL

CHEM*1040
General Chemistry

CIS*1500
Introduction to Proqraming

ENGG*1100
Engineering & Design I

MATH*1200
Calculus I

ONE IN FALL
ONE IN WINTER

ENGG*1210 Eng. Mechanics I

OR
HIST*1250 Science & Tech.

WINTER

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

ENGG*2410
Digital Systems Using Descriptive Languages

CIS*2520
Data Structures

ENGG*2120 Mat. Science

OR
ENGG*2230 Fluid Mechanics

ENGG*2100
Engineering & Design II

ENGG*2450
Electric Circuits

MATH*2130
Numerical Methods

STAT*2120
Probability & Statistics for Engineers

RESTRICTED ELECTIVES
0.50 Credits

ENGG*3390
Signal Processing

ENGG*3450
Electronic Devices

ENGG*3640
Microcomputer Interfacing

ENGG*3260
Thermodynamics

RESTRICTED ELECTIVES
1.00 Credits

ENGG*3100
Engineering & Design III

ENGG*3130
Modeling Complex Systems

ENGG*3410
Systems & Control Theory

ENGG*3430
Heat and Mass Transfer

RESTRICTED ELECTIVES
0.50 or 0.75 Credits

ENGG*3240
Engineering Economics

ENGG*4420
Real-time Systems Design

ENGG*4450
Large-Scale Software Architecture Engineering

ENGG*4000
Proposal for ENGG*4120
(On-line course 0.00 Credits)

RESTRICTED ELECTIVES
1.00 or 1.25 Credits

ENGG*4120
Eng. Systems & Computing Design IV

ENGG*4280
Digital Process Control Design

RESTRICTED ELECTIVES
1.00 Credits

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