



FALL

CHEM*1040
General Chemistry

CIS*1500
Introduction to Programing

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

CHEM*1050
General Chemistry II

ENGG*1500
Engineering Analysis

MATH*1210
Calculus II

PHYS*1130
Physics with Applications

BIOL*1090
Intro to Molecular and Cellular Biology

ENGG*2160
Engineering Mechanics II

ENGG*2400
Engineering Systems Analysis

MATH*2270
Differential Equations

ENGG*2100 Eng. & Design II
OR
STAT*2120 Stats 4 Engineers
OR
ENGG*2120 Mat. Science
OR
ENGG*2230 Fluid Mechanics

BIOL*1080
Bio Concepts in Health

BIOM*2000
Concepts in Physiology

ENGG*2450
Electric Circuits

MATH*2130
Numerical Methods

BIOM*3010
Biomedical Comparative Anatomy

ENGG*3240
Engineering Economics

ENGG*3260
Thermodynamics

ENGG*3390
Signal Processing

ENGG*3450
Electronic Devices

RESTRICTED ELECTIVES
0.5 Credits

ENGG*3100
Engineering & Design III

ENGG*3170
Biomaterials

ENGG*3410
Systems & Control Theory

ENGG*3430
Heat & Mass Transfer

PATH*3610
Principals of Disease
(need 3 Biology courses)

RESTRICTED ELECTIVES
0.5 Credits

ENGG*4390
Bio-Instrumentation Design

ENGG*4000
Proposal for ENGG*4180
(On-line course 0.00 Credits)

RESTRICTED ELECTIVES
2.0 Credits (2016 & 2017)
2.5 Credits (2018)

ENGG*4180
Biomedical Eng. Design IV

RESTRICTED ELECTIVES
1.75 Credits

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