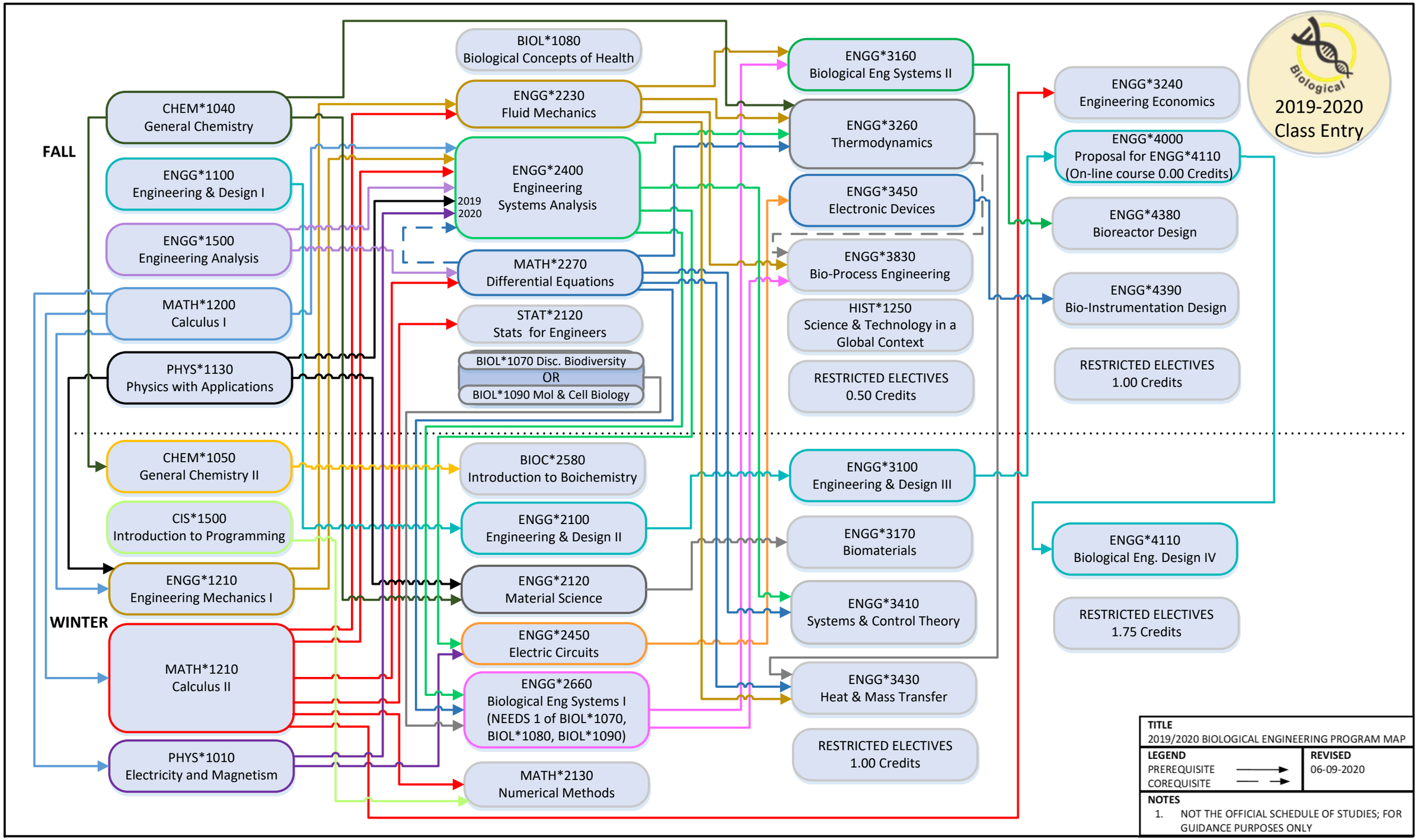
2019-2020
Class Entry
FALL
WINTER
CHEM*1040
General Chemistry
ENGG*1100
Engineering & Design I
ENGG*1500
Engineering Analysis
MATH*1200
Calculus I
PHYS*1130
Physics with Applications
CHEM*1050
General Chemistry II
CIS*1500
Introduction to Programming
ENGG*1210
Engineering Mechanics I
MATH*1210
Calculus II
PHYS*1010
Electricity and Magnetism
BIOL*1080
Biological Concepts of Health
ENGG*2230
Fluid Mechanics
ENGG*2400
Engineering
Systems Analysis
2019
2020
MATH*2270
Differential Equations
STAT*2120
Stats for Engineers
BIOL*1070 Disc. Biodiversity
OR
BIOL*1090 Mol & Cell Biology
BIOC*2580
Introduction to Boichemistry
ENGG*2100
Engineering & Design II
ENGG*2120
Material Science
ENGG*2450
Electric Circuits
ENGG*2660
Biological Eng Systems I
(NEEDS 1 of BIOL*1070,
BIOL*1080, BIOL*1090)
MATH*2130
Numerical Methods
ENGG*3160
Biological Eng Systems II
ENGG*3260
Thermodynamics
ENGG*3450
Electronic Devices
ENGG*3830
Bio-Process Engineering
HIST*1250
Science & Technology in a
Global Context
RESTRICTED ELECTIVES
0.50 Credits
ENGG*3100
Engineering & Design III
ENGG*3170
Biomaterials
ENGG*3410
Systems & Control Theory
ENGG*3430
Heat & Mass Transfer
RESTRICTED ELECTIVES
1.00 Credits
ENGG*3240
Engineering Economics
ENGG*4000
Proposal for ENGG*4110
(On-line course 0.00 Credits)
ENGG*4380
Bioreactor Design
ENGG*4390
Bio-Instrumentation Design
RESTRICTED ELECTIVES
1.00 Credits
ENGG*4110
Biological Eng. Design IV
RESTRICTED ELECTIVES
1.75 Credits
TITLE
2019/2020 BIOLOGICAL ENGINEERING PROGRAM MAP
LEGEND
PREREQUISITE
COREQUISITE
REVISED
06-09-2020
NOTES
1. NOT THE OFFICIAL SCHEDULE OF STUDIES; FOR GUIDANCE PURPOSES ONLY