2019-20 Bioengineering Tentative List of Course Offerings
Subject to Change - updated 6/17/19

FALL 2019	***WINTER 2020***	***SPRING 2020***
BIOENGR 10 Introduction to Bioengineering	BIOENGR C101 Engineering Principles for Drug Delivery	BIOENGR CM102 Human Physiological Systems for Bioengineering I
BIOENGR 100 Bioengineering Fundamentals	BIOENGR C107 Polymer Chemistry for Bioengineers	BIOENGR 110 Biotransport and Bioreaction Processes
BIOENGR C104 Physical Chemistry of Biomacromolecules	BIOENGR 120 Biomedical Transducers	BIOENGR 121 Introduction to Microcontrollers
BIOENGR C105 Engineering of Bioconjugates	BIOENGR C139A Biomolecular Materials Science I	BIOENGR C139B Biomolecular Materials Science II
BIOENGR C106 Topics in Biolectricity for Bioengineers	BIOENGR CM140 Introduction to Biomechanics	BIOENGR C147 Applied Tissue Engineering: Clinical and Industrial Perspective
BIOENGR CM145 Molecular Biotechnology for Engineers	BIOENGR C155 Fluid-Particle and Fluid-Structure Interactions in Microflows	BIOENGR M153 Introduction to Microscale and Nanoscale Manufacturing
BIOENGR M153 Introduction to Microscale and Nanoscale Manufacturing	BIOENGR 177B Bioengineering Capstone Design II	BIOENGR 167L Bioengineering Laboratory
BIOENGR 167L Bioengineering Laboratory	BIOENGR 180 System Integration in Biology, Engineering, and Medicine I	BIOENGR C175 Machine Learning and Data-Driven Modeling in Bioengineering
BIOENGR 177A Bioengineering Capstone Design I	BIOENGR C185 Introduction to Tissue Engineering	BIOENGR 176 Principles of Biocompatibility
BIOENGR CM178 Introduction to Biomaterials	BIOENGR CM186 Computational Systems Biology: Modeling and Simulation of Biological Systems	BIOENGR 180L System Integration in Biology, Engineering, and Medicine I Laboratory
BIOENGR M182 Systems Biomodeling and Simulation Basics	BIOENGR CM187 Research Communication in Computational and Systems Biology	BIOENGR C183 Targeted Drug Delivery and Controlled Drug Release
BIOENGR 188 Special Courses in Bioengineering	BIOENGR 188 Special Courses in Bioengineering	BIOENGR CM187 Research Communication in Computational and Systems Biology
BIOENGR M260 Neuroengineering		BIOENGR 188 Special Courses in Bioengineering

Required core courses in RED
Approved electives in BLUE
Students must petition for courses in BLACK to satisfy elective requirements