

ECBE Courses Offered 2020-21 By Term (DRAFT)**Electives are Highlighted in Orange Below and are not offered in Every Academic Year.*****FALL**

ECE-118-01 Intro Logic and Computer Design w/ Lab

BME-201 Biomechanics 1

ECE/BME-225 Electric Circuits w/ Lab

ECE/BME-241 Discrete Systems w/ Lab

BME-336 Biological Transport

ECE-336 Computer Network Protocols

BME-338 Mechanobiology

ECE-341 Energy Conversion

ECE-351 Probability and Digital Communications

ECE-363 Analysis/Design Electronic Circuits w/ Lab

ECE-498 ECE Capstone 1

WINTER

ECE-101 The Joy of Electronics

BME-210 Statistical Methods in Biomedical Engineering

ECE-218 Embedded Microcontroller Projects w/ Lab

ECE-225 Electric Circuits w/ Lab

ECE-240 Circuits and Systems w/ Lab

ECE-310 Electronic Devices

BME-311 Advanced Biomechanics w/ Lab

ECE-329 Neural Networks & Deep Learning

BME-331 Cell-Tissue-Material Interactions

ECE-366 Control Theory w/ Lab

BME/ECE-386 Biomedical Instrumentation

BME-495 BME Capstone 1

ECE-499 ECE Capstone 2

SPRING

BME-101 Biomedical Imaging & Graphics w/ Lab

ECE-101 The Joy of Electronics

BME-202 Biomechanics 2 w/ Lab

ECE-240 Circuits and Systems w/ Lab

ECE-241 Discrete Systems w/ Lab

ECE-248 Semiconductor Devices and Circuits w/ Lab

ECE-318 Digital Design w/ Lab

ECE-343 Electromagnetics w/ Lab

BME-345 Orthopedic Biomechanics

ECE-350 Communication Systems w/ Lab

ECE-375 Chaos Theory

ECE-481 Internet of Things

BME 496 BME Capstone 2

ECE-497 ECE Capstone Design Project Seminar

***Some required courses for EE may be used as CpE electives and vice-versa. BME majors can use some ECE courses as electives.**