### ECBE Courses Offered 2021-22 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-311 Advanced Biomechanics w/ Lab
- BME-335 Polymetric Biomaterials
- ECE-337 Data Communications
- ECE-351 Probability and Digital Communications
- ECE-363 Analysis/Design Electronic Circuits w/ Lab
- ECE-463 Wireless Communications w/ Lab
- BME/ECE 487 Medical Imaging
- BME-495 BME Capstone 1
- ECE-498 ECE Capstone 1

#### WINTER
- 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-338 Mechanobiology
- BME-345 Orthopedic Biomechanics
- ECE-366 Control Theory w/ Lab
- BME/ECE-386 Biomedical Instrumentation
- BME 496 BME Capstone 2
- 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
- BME-331 Cell-Tissue-Material Interactions
- ECE-343 Electromagnetics w/ Lab
- ECE-344 Electric Machines & Drives
- ECE-350 Communication Systems w/ Lab
- 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.*