

Biomechanics

BME 5130 – Vehicle Safety Engineering (4 cr) ME 3400 – Dynamics (3 cr)
 BME 5210 – Musculoskeletal Biomechanics (4 cr) ME 5040 – Finite Element Analysis I (4 cr)
 BME 5220 – Cell & Tissue Biomechanics (3 cr) ME 5400 – Dynamics II (4 cr)
 BME 5570 – Design of Human Rehab System (3 cr.) ME 5580 – Computer-Aided Mech Design (4 cr)
 BME 6130 – Accident Reconstruction (3 cr) ME 5720 – Mech of Composite Materials (4 cr)
 KIN 3580 – Biomechanics (3 cr)
 KIN 6310 – Physiology of Exercise II (3 cr)

Biomedical Instrumentation

BME 6470 – Smart Sensor Tech I: Design (3 cr) ECE 4330 – Linear Systems and Signals (4 cr)
 BME 6480 – Biomedical Instrumentation (4 cr) ECE 4570 – Fundamentals of Microelectronic
 CSC 3100 – Computer Architecture & Org. (4 cr) Devices (3 cr)
 CSC 3110 – Algorithm Design & Analysis (3 cr) ECE 5425 – Robotics Systems 1 (4 cr)
 CSC 3400 – Human-Computer Interaction (3 cr) ECE 5575 – Introduction to Micro and Nano Electro
 CSC 6860 – Digital Image Processing & Anal.(3 cr) Mechanical Systems (3 cr)
 ECE 3330 – Circuits II (3 cr) ECE 5690 – Introduction to Digital Image Pro. (4 cr)
 ECE 3570 – Electronics I (4 cr) ECE 5770 – Digital Signal Processing (4 cr)
 ECE 4050 – Algorithms & Data Structures (3 cr) PHY 5340/5341 – Optics Lecture + Lab (5 cr)