Many non-BME courses are available that may prove vital in obtaining the skills necessary to compete in a global engineering workforce. Below are suggested electives, separated into sections based on research and career applications.

**Suggested Electives for Premedical**

CHM 2211 Organic Chemistry II

CHM 2211L Organic Chemistry II Lab

BCH 3033 General Biochemistry I

BCH 3033L General Biochemistry I Lab

MCB 3010 General Microbiology

OTH 4418 Impact of Neurological Dysfunction on Human Performance

**Suggested Electives for Tissue Engineering and BioMaterials Specialization**

BME 4311 Molecular Imaging

EGN 3365 Materials in Engineering

EMA 3066 Polymer Science and Engineering

**Suggested Electives for BioSignals and Systems Specialization**

BME 4401 Medical Imaging

BME 4562 Biomedical Optics

BME 4730 Analysis of Self Regulation

EEL 3135 Signals and Systems

EEL 3657 Control Systems I

EEL 4510 Introduction to Digital Signal Processing

**Suggested Electives for BioMechanics Specialization**

BME 4311 Orthopedic Biocmechanics

BME 4260 Engineering Hemodynamics

EGM 3311 Analysis of Engineering Systems

EML 3036 Sim Software for Mechanical Engineers

EML 4807 Introduction to Mechatronics