

**Michigan Technological University****Minor in Biomedical Engineering**

Program Code: EBEM, Academic Year 2020-21

Department of Biomedical Engineering

Total Credits Required: 18

**Required Courses: 9 credits**

Course	Credits
BE 2400 Cellular & Molecular Biology I (3)	
BE 2700 Biomedical Signals & Systems (3) <i>Prereq: CH1150, MA2160, ENG1102 and PH2100</i>	
BE 4850 Tissue Mechanics (3) <i>Prereq: BE3350</i> or BE 4755 Medical Devices (3) or BE 4520 Industrial & Clinical Issues (3)	

**Elective Courses: 9 credits, minimum**

Course	Credits
BE 2110 Statistical Methods for Biomedical Engineering (3) <i>Prereq: MA2160</i>	
BE 3350 Human Biomechanics (3) <i>Prereq: BE3300 or MEEM2110</i>	
BE 3400 Laboratory Techniques for BME (2) <i>Prereq: BE2800 or MSE2100</i>	
BE 3700 Biomedical Instrumentation (3) <i>Prereq: BE2700, EE3010</i>	
BE 3701 Biomedical Instrumentation Lab (1)	
BE 3800 Biomaterials II (3) <i>Prereq: BE2800 or MSE2100</i>	
BE 4410 Medical Imaging (3)	
BE 4670 Micro- and Nanotechnology for Biomedical Applications (3)	

**This minor is not open to students majoring in Electrical Engineering with a Biomedical Applications Concentration**