

Michigan Technological University**Minor in Biomedical Engineering**

Program Code EBEM, Academic Year 2021-22

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 Prereq: CH1150, MA2160, ENG1102 and PH2100	3
BE 4850 Tissue Mechanics <i>Prereq: BE3350</i> or BE 4755 Medical Devices or BE 4520 Industrial & Clinical Issues	3

Elective Courses: 9 credits minimum

Course	Credits
BE 2110 Statistical Methods for Biomedical Engineering <i>Prereq: MA2160</i>	3
BE 3350 Human Biomechanics <i>Prereq: BE3300 or MEEM2110</i>	3
BE 3400 Laboratory Techniques for BME <i>Prereq: BE2800 or MSE2100</i>	2
BE 3700 Biomedical Instrumentation <i>Prereq: BE2700, EE3010</i>	3
BE 3701 Biomedical Instrumentation Lab	1
BE 3800 Biomaterials I <i>Prereq: BE2800 or MSE2100</i>	3
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