Bachelor of Science – Electrical Engineering
Biomedical Applications Concentration

2024-2025

SAMPLE PLAN
Calculus Plan

Liver

Biomechanics path:

EE3131 (4) Electronics and Lab

EE2112 (4) Electric Circuits II & Lab

EE3160 (3) Signals & Systems

EE3180 (3) Intro. Probability & Random Sig. Anal.

EE3300 (3) Biomechanics I

BEA conc Elective

EE2800 (3) Biomaterials 1

Spring Only

EE3701(1) Bio-Instr. Lab

Spring Only

BEA conc elective

BE3701(1) Bio-Instr. Lab

Spring Only

EE Elective

EE Elective

EE Elective

Biomechanics focus – follow pink path

Biomaterials focus – follow blue path

17/18

17/18

15.5

17.5

Total 138 cr.

**PH2110 (2) Physics 1 Workshop REQUIRED if CD or D in Calc I

*** May use BE4770 plus one credit of ‘free elective’ in place of EE3171.

BEA electives:
Fall - BE3300, BE3800, BE4755
Alt fall- BE4700 odd
Spring – BE2800, BE3350
Alt spg BE4250 odd

Undergraduate advisor:
Kailie Laplender  klilaplan@mtu.edu  EERC 131