

Bioelectronics & Biophotonics Minor

2022-2023 Curriculum Chart

This minor cannot be combined with the Bioelectronics concentration of the former Bioengineering major, the EE BS, or the EE minor

Mathematics & Statistics

MATH 19A
Calculus

AM 10
Math Methods for
Engineers I

OR

MATH 21
Linear Algebra

MATH 19B
Calculus

AM 20
Math Methods for
Engineers II

OR

MATH 24
Ordinary Differential
Equations

Physics

PHYS 5A/L
Intro to Physics I/Lab

PHYS 5C/N
Intro to Physics III/Lab

Computer Engineering

CSE 12
Computer Systems &
Assembly Language/Lab
[Prerequisite(s): CSE 20, or CSE 30,
or BME 160, or equivalent]

ECE 13
Computer Systems & C
Programming

CSE 100/L
Logic Design/Lab

Biology & Biotechnology

(Pick one)

*Additional pre-requisites required

BME 140*
Bioinstrumentation

ECE 104
Bioelectronics

ECE 130/L*
Introduction to
Optoelectronics and
Photonics/Lab

Electronics

ECE 101/L
Intro to Electronic
Circuits/Lab

ECE 121
Microcontroller System
Design

ECE 103
Signals & Systems

ECE 167
Sensing & Sensor
Technologies/Lab

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Fall _____	Winter _____	Spring _____	Summer _____

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