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
- **MATH 19B**
  - Calculus
- **AM 10**
  - Math Methods for Engineers I
- **MATH 21**
  - Linear Algebra
- **AM 20**
  - Math Methods for Engineers II
- **MATH 24**
  - Ordinary Differential Equations

**Physics**
- **PHYS 5A/L**
  - Intro to Physics I/Lab
- **PHYS 5C/N**
  - Intro to Physics III/Lab

**Biology & Biotechnology**
(Pick one)
*Additional pre-requisites required*
- **BME 140**
  - Bioinstrumentation
- **ECE 104**
  - Bioelectronics
- **ECE 130/L**
  - Introduction to Optoelectronics and Photonics/Lab

**Computer Engineering**
- **CSE 12**
  - Computer Systems & Assembly Language/Lab
  [Prerequisites: CSE 20, or CSE 30, or BME 160, or equivalent]
- **ECE 13**
  - Computer Systems & C Programming
- **CSE 100/L**
  - Logic Design/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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