Bioengineering B.S. Degree: Bioelectronics
2017-2018 Curriculum Chart

Math & Statistics
- **MATH 19A**
  Calculus
- **MATH 19B**
  Calculus
- **AMS 10**
  Math Methods for Engineers I
- **AMS 20**
  Math Methods for Engineers II
- **AMS 131**
  Intro to Probability Theory
- **AMS 132**
  Statistical Inference

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

Chemistry
- **CHEM 1A**
  General Chemistry
- **CHEM 1B/M**
  General Chemistry/Lab
- **CHEM 1C/N**
  General Chemistry/Lab

Biology & Biotechnology
- **BIOL 20A**
  Cell & Molecular Biology
- **BIOE 20B**
  Development & Physiology
- **BME 140**
  Bioinstrumentation
  OR
  **EE 104**
  Bioelectronics & Bioinstrumentations

Humanities
- **BME 80G**
  Bioethics in the 21st Century
- **CMPE 185**
  Technical Writing

Electronics
- **BME 51A**
  Applied Electronics I
- **BME 51B**
  Applied Electronics II
- **EE 101/L**
  Intro to Electronic Circuits/Lab
- **EE 103/L**
  Signals & Systems/Lab
- **CMPE 123A & 129B**
  Capstone Project I & II
- **CMPE 129A, 129B, & 129C**
  Capstone Project I, II, & III

Design Project
- **CMPE 129A, 129B, & 129C**
  Capstone Project I, II, & III
- **EE 129A, 129B, & 129C**
  Capstone Project I, II, & III
- **CMPE 122A & 129B**
  Capstone Project I & II

OR

Senior Thesis
- **BME 195**
  Senior Thesis

Notes:
- Denotes prerequisites and corequisites.
- Courses in which you receive a grade of C-, D+, D, or D- earn credit toward graduation, but cannot be used to satisfy a major requirement or a general education requirement, and cannot satisfy a prerequisite for another course.
- The School of Engineering has different major declaration deadlines than the UCSC Academic/Administrative calendar. Our deadlines and process can be found on: [http://ua.soe.ucsc.edu/declare](http://ua.soe.ucsc.edu/declare)
- **CMPS 5P** Intro. to Prog. in python is recommended for students who have never programmed
- Major qualification requirements for this major can be found at: [https://ua.soe.ucsc.edu/major-qualification](https://ua.soe.ucsc.edu/major-qualification)

Prior to graduation (see beng.soe.ucsc.edu) you must:
1. Submit a Portfolio  2. Complete an Exit Survey  3. Attend an Exit Interview

http://ua.soe.ucsc.edu • advising@soe.ucsc.edu • (831) 459-5840 • 07/20/2017
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Student Name:

Staff Advisor:

Faculty Advisor: