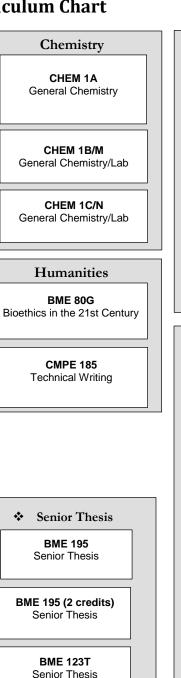
Bioengineering B.S. Degree: Bioelectronics 2018-2019 Curriculum Chart

Math & Statistics **Physics** PHYS 5A/L Intro to Physics I/Lab **MATH 19A** Calculus PHYS 5B/M Intro to Physics II/Lab **MATH 19B** Calculus PHYS 5C/N Intro to Physics III/Lab **AMS 10** Math Methods for Engineers I Biology & Biotechnology **BIOL 20A** Cell & Molecular Biology **AMS 20** Math Methods for Engineers II **BIOE 20B** Development & Physiology **AMS 131** Intro to Probability **BME 140** Theory Bioinstrumentation OR EE 104 Bioelectronics & Bioinstrumentations **AMS 132** Statistical Inference OR Design Project CMPE 129A, 129B, & 129C Capstone Project I, II, & III Prior to graduation EE 129A, 129B, & 129C (beng.soe.ucsc.edu) Capstone Project I, II, & III



Presentation

BME 195 Senior Thesis

Assembly Language/Lab Strongly recommended to take one of these classes prior: CMPS 5J, CMPS 5P, CMPS 10 or equivalent CMPE 13/L Computer Systems & C Programming/Lab **CMPE 100/L** Logic Design/Lab **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 **ELECTRONICS ELECTIVE* ELECTRONICS ELECTIVE*** *Please refer to the Undergraduate Advising website for the list of approved electronics electives

Computer Engineering

CMPE 12/L $^{\Omega}$

Computer Systems &

you must:

- 1. Submit a Portfolio
- 2. Complete an Exit Survey
- 3. Attend an Exit Interview

The capstone options listed are most appropriate for students following the Bioelectronics concentration. Please refer to the General Catalog program statement for full approved design projects and thesis options: https://registrar.ucsc.edu/catalog/programscourses/program-statements/beng.html.

CMPE 123A & 123B

Capstone Project I & II

Bioengineering B.S. Degree: Bioelectronics 2018-2019 Curriculum Chart

Fall	Winter	Spring	Summer
Fall	Winter	Spring	Summer
D 11	7777	0 :	
Fall	Winter	Spring	Summer
Fall	Winter	Spring	Summer
1 an	WHITCI	351111g	Summer

- 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: https://undergrad.soe.ucsc.edu/declare-your-major
- 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://undergrad.soe.ucsc.edu/major-qualification

Student Name:	
Staff Advisor:	
Faculty Advisor:	