Bioengineering B.S. Degree: Assistive Technology (Motor)
2018-2019 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

Prior to graduation (beng.soe.ucsc.edu) You must:

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

Physics

PHYS 5A/L
Intro to Physics I/Lab

CMPE 9
Statics, Dynamics, & Biomechanics

PHYS 5C/N
Intro to Physics III/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

Please refer to the undergraduate advising website for list of approved electives

Computer Engineering

CMPE 12/L$^{\Omega}$
Computer Systems & Assembly Language/Lab
[Strongly recommended to take one of these classes prior: CMPS 5J, 5P, 10 or equivalent]

CMPE 13/L
Computer Systems & C Programming/Lab

CMPE 100/L
Logic Design/Lab

CMPE 118/L
Mechatronics/Lab

Humanities

BME 80G
Bioethics in the 21st Century

CMPE 185
Technical Writing

Chemistry

CHEM 1A
General Chemistry

CHEM 1B/M
General Chemistry/Lab

Biology & Biotech

CMPE 80A
Universal Access
OR
CMPE 8
Robot Automation

BIOL 20A
Cell & Molecular Biology

BIOE 20B
Development & Physiology

METX 135/L
Functional Anatomy/Lab

OR

❖ Design Project

CMPE 129A, 129B, & 129C
Capstone Project I, II, & III

EE 129A, 129B, & 129C
Capstone Project I, II, & III

CMPE 123A & 123B
Capstone Project I & II

❖ Senior Thesis

BME 195
Senior Thesis

BME 195 (2 credits)
Senior Thesis

BME 123T
Senior Thesis Presentation

BME 195
Senior Thesis

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

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Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Fall _____	Winter _____	Spring _____	Summer _____

Notes:

- 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**

Ω 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/bsoe-major-qualification-requirements**

Student Name:

Staff Advisor:

Faculty Advisor: