## 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

### Physics
- **PHYS 5A/L**
  - Intro to Physics I/Lab
- **CMPE 9**
  - Statics, Dynamics, & Biomechanics
- **PHYS 5C/N**
  - Intro to Physics III/Lab

### Computer Engineering
- **CMPE 12/L**
  - 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

### Chemistry
- **CHEM 1A**
  - General Chemistry
- **CHEM 1B/M**
  - General Chemistry/Lab

### Biology & Biotech
- **CMPE 80A**
  - Universal Access
  - **OR**
  - **CMPE 8**
    - Robot Automation

### 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

### 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

### OR
- **Senior Thesis**
  - **BME 195**
    - Senior Thesis
  - **BME 195 (2 credits)**
    - Senior Thesis Presentation
  - **BME 123T**
    - Senior Thesis Presentation
  - **BME 195**
    - Senior Thesis

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Prior to graduation (beng.soe.ucsc.edu)

**You must:**

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

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

- 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](https://registrar.ucsc.edu/catalog/programs-courses/program-statements/beng.html)

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http://undergrad.soc.ucsc.edu • advising@soe.ucsc.edu • (831) 459-5840 • 07/19/2018
# Bioengineering B.S. Degree: Assistive Technology (Motor)

## 2018-2019 Curriculum Chart

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## 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.soc.ucsc.edu/declare-your-major](https://undergrad.soc.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.soc.ucsc.edu/bsoe-major-qualification-requirements](https://undergrad.soc.ucsc.edu/bsoe-major-qualification-requirements)

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**Student Name:**

**Staff Advisor:**

**Faculty Advisor:**