# Bioengineering B.S. Degree: Assistive Technology (Motor) 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
- **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
- **CMPE 80G**
  - Bioethics in the 21st Century
- **BME 20A**
  - Cell & Molecular Biology
- **BIOE 20B**
  - Development & Physiology
- **METX 135/L**
  - Functional Anatomy/Lab

## Computer Systems & Assembly Language/Lab
- **CMPS 5P**
  - Intro to Programming in Python

## 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

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

## 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

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### 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)
## Bioengineering B.S. Degree: Assistive Technology (Motor)
### 2017-2018 Curriculum Chart

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### Student Information

**Student Name:**

**Staff Advisor:**

**Faculty Advisor:**

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