## Bioengineering B.S. Degree: Assistive Technology (Cognitive/Perceptual)

### 2016-2017 Curriculum Chart

**Math & Statistics**
- AMS 2 or 3 or 6 or 11A or 15A; or MATH 3 or 11A or 19A
- AMS 7L
- Biostatistics
  - [F, W, Sp]
- MATH 3 or AMS 3 or math placement of 400 or higher
- MATH 19A
- Calculus
  - [F, W, Sp]
- MATH 19A or 20A
- MATH 19B
- Calculus
  - [F, W, Sp]
- AMS 3 or Math 3 or math placement of 400 or higher
- AMS 10
- Math Methods for Engineers I
  - [F, S]
- Or
- MATH 11A or 19A or 20A
- or AMS 11A or 15
- MATH 21
- Linear Algebra
  - [F, W, S]

**Physics & Electronics**
- Coreq: MATH 19A or 20A
- PHYS 5A/L*
- Intro to Physics I
  - [F, W]
- PHYS 5A/L, MATH 19A or 20A
- Coreq: MATH 19B or 20B
- PHYS 5B/M*
- Intro to Physics II
  - [W]
- MATH 19B or 20B; PHYS 5A/L
- PHYS 5C/N*
- Intro to Physics III
  - [Sp]
- MATH 19A
- BME 51A
- Applied Electronics I
  - [W]
- BME 51A
- BME 51B
- Applied Electronics II
  - [Sp]

**Humanities**
- BME 80G
- Bioethics in the 21st Century
  - [F]
- CMPS 12B or CMPE 12 or BME 100
- CMPE 185
- Technical Writing
  - [F, W, Sp]

**Computer Science**
- MATH 3 or 11A or 19A; or AMS 3 or math placement of 400 or higher
- CMPS 12A/L*
- Intro to Programming
  - [F, W]
- CMPS 12B/L or 13H
- CMPS 109
- Introduction to Programming
  - [F, W, Sp]
- CMPE 13L or CMPS 12BM and PHYS 5A or 6A
- CMPE 161
- Mobile Sensing & Interaction
  - [Sp]
- CMPS 12B
- CMPE 131
- Human Computer Interaction
  - Not offered in 16-17 OR
- CMPS 12B
- CMPM 131
- User Experience for Interactive Media
  - [W]

**Psychology**
- PSYC 20A
- Cognition
  - [F, W]
- AMS 3 or Math 3 or math placement of 400 or higher
- PSYC 200
- Research Methods
  - [F, W, Sp]

**Psychology Elective 1**

**Psychology Elective 2**

**Chemistry**
- Prev. or concurrent enrollment in MATH 3 or equivalent or math placement of 300 or higher
- CHEM 1A
- General Chemistry
  - [F, W, Sp]
- Prev. or concurrent enrollment in MATH 3 or equivalent or math placement of 300 or higher
- CHEM 1B/M
- General Chemistry
  - [F, W, Sp]

**Notes:**
- Denotes prerequisites and corequisites.
- Students may choose to take CMPS 5J & CMPS 11 OR CMPE 12/L & 13/L, in place of CMPS 12A/L.
- 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
- Information about the prerequisites and scheduling of courses can change without notice—please check your plan each quarter and adjust for any changes.

http://ua.soe.ucsc.edu • advising@soe.ucsc.edu • (831) 459-5840 • 10/17/2016
## Bioengineering B.S. Degree: Assistive Technology (Cognitive/Perceptual)

### 2016-2017 Curriculum Chart

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### Bioengineering Electives Approval Form

**Elective 1:** ___________________________________

**Elective 2:** ___________________________________

**Elective 3:** ___________________________________

Explanation for choice of electives:

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**Student Name:**

**Staff Advisor:**

**Faculty Advisor:**