### BIOENGINEERING

**Importance of an early start:**
This is a course-intensive and/or highly sequential program, and students who intend to pursue this major must begin taking classes for the major in their first term at UCSC.

**Qualification requirements and/or prerequisites for the major:**
Admission to this major is selective. Students will be accepted to the major based on their grade point average in selected introductory courses. Detailed information about admission to this major will be available to students in the 2016-17 general catalog and also on the BSOE Undergraduate Major Qualification website ([http://ua.soe.ucsc.edu/major-qualification](http://ua.soe.ucsc.edu/major-qualification)) in the fall.

**Frosh who intend to pursue this major should do the following things prior to the beginning of fall term...**
- Determine your Math Placement by completing an assessment in ALEKS before July 17 at [http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-assessment-guidelines.html](http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-assessment-guidelines.html). If you completed a college-level math course, or scored 3 or better on an AP or IB calculus exam, you may be able to use that for placement instead of the ALEKS assessment.
- Students with college-level transferable courses must mail or email a copy of the transcript to Baskin School of Engineering Undergraduate Advising Office by July 1, in addition to providing the official transcript to the UCSC Admissions Office.

**...and should take these courses their first term:**

#### Biomolecular:
- CHEM 1A: General Chemistry (RECOMMENDED), OR BME 80G: Bioethics, OR BME 5: Intro. to Biotechnology

#### Bioelectronics:
- PHYS 5A/L: Intro Physics (RECOMMENDED), OR CMPE 12/L: Computer Systems and Assembly Language (programming experience recommended), or BME 80G: Bioethics

#### Assistive Technology Motor:
- PHYS 5A/L: Intro Physics (RECOMMENDED), OR CMPE 12/L: Computer Systems and Assembly Language (programming experience recommended), or CMPE 80A: Universal Access, or BME 80G: Bioethics

#### Assistive Technology Cognitive/Perceptual:
- PHYS 5A/L or 6A/L: Intro Physics (accelerated). If unable to enroll in Physics or programming, then enroll in CMPE 80A: Universal Access, or BME 80G: Bioethics

**Skills important for success in this major:**
Mathematics, science, problem solving, design, and writing. A desire to apply science and technology to solving problems of global health and medicine.

**Other information:**
Be sure to attend a BSOE Orientation. Come to Summer Orientation, Fall Orientation during Fall Welcome Week, or both!

**Links to More Information:**
- [http://admissions.ucsc.edu/academics/majors/](http://admissions.ucsc.edu/academics/majors/) (general info)
- [http://registrar.ucsc.edu/catalog/programs-courses/](http://registrar.ucsc.edu/catalog/programs-courses/) (major requirements, course descriptions, etc.)
- [https://beng.soe.ucsc.edu/](https://beng.soe.ucsc.edu/) (program website)

**Questions? Contact an Adviser!**
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