**Major:** 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. In order to declare this major, students must meet the BSOE’s Proposed Major Status policy. 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 2017-18 general catalog and also on the BSOE Undergraduate Major Qualification website (http://ua.soe.ucsc.edu/major-qualification) in the fall.

- Determine your math placement by completing an assessment in ALEKS as soon as possible, and by July 23 at the very latest. See https://mathcoach.sites.ucsc.edu for information about ALEKS. If you completed a college-level math course, or scored 3 or better on an AP calculus exam, or 5 or better on an IBH mathematics exam, you may be able to use that for placement instead of the ALEKS assessment. See https://mathcoach.sites.ucsc.edu/courses/course-credit/ for information on placement based on college courses or AP/IBH.
- 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.

**Frosh who intend to pursue this major should do the following things prior to the beginning of fall term...**

Students in all concentrations should take MATH 3: Precalculus, or MATH 19A: Calculus for Science, Engineering, and Math and one of the following courses (depending on concentration):

- **Biomolecular:** CHEM 1A: General Chemistry (RECOMMENDED), OR BME 5: Intro. to Biotechnology
- **Bioelectronics:** CMPE 12/L: Computer Systems and Assembly Language (programming experience recommended), or BME 80G: Bioethics
- **Assistive Technology Motor:** CMPE 12/L: Computer Systems and Assembly Language (programming experience recommended), or CMPE 80A: Universal Access, or BME 80G: Bioethics

Students in all concentrations without a prior programming background are recommended to take CMPS 5P, Intro. to Programming in Python, which is offered in fall quarter this academic year.

**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/ (general info)
- http://registrar.ucsc.edu/catalog/programs-courses/ (major requirements, course descriptions, etc.)
- http://beng.soe.ucsc.edu (program website)

**Questions? Contact an Adviser!**

BSOE Undergraduate Advising
459-5840 or advising@soe.ucsc.edu

BSOE Undergraduate Affairs Office 225 Baskin

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**Students are admitted to UCSC with a "proposed major" in most cases, and later petition to officially declare the major. Admission to UCSC does not guarantee acceptance into a particular major. Students must be declared in a major by the end of the second year (or equivalent), so learning about and preparing for a major is a primary goal for first-year students.**