

**UNIVERSITY OF CALIFORNIA, SANTA CRUZ**  
**NEW STUDENT MAJOR ADVISING SUMMARY FOR 2018-2019 FROSH**

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.

**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 2018-19 general catalog and also on the BSOE Undergraduate Major Qualification website ( <a href="http://ua.soe.ucsc.edu/major-qualification">http://ua.soe.ucsc.edu/major-qualification</a> ) in the fall.
Frosh who intend to pursue this major should do the following things prior to the beginning of fall term...	<ul style="list-style-type: none"> <li>❑ Determine your math placement by completing an assessment in ALEKS as soon as possible, and by July 16 at the very latest. See <a href="https://mathcoach.sites.ucsc.edu">https://mathcoach.sites.ucsc.edu</a> 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 <a href="https://mathcoach.sites.ucsc.edu/courses/course-credit/">https://mathcoach.sites.ucsc.edu/courses/course-credit/</a> for information on placement based on college courses or AP/IBH.</li> <li>❑ 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.</li> </ul>
...and should take these courses their first term:	<p>Depending on math placement students in both concentrations should take MATH 3: <i>Precalculus</i>, or MATH 19A: <i>Calculus for Science, Engineering, and Math</i>, or MATH 19B: <i>Calculus for Science, Engineering &amp; Math</i> and one of the following courses (depending on concentration):</p> <ul style="list-style-type: none"> <li>● <b>Bioelectronics:</b> BME 80G, or Physics 5A/L</li> <li>● <b>Assistive Technology Motor:</b> CMPE 80A: <i>Universal Access</i>, or BME 80G: <i>Bioethics</i>, or Physics 5A/L*</li> </ul> <p>*In order to enroll in Physics 5A/L students must have completed MATH 19A or have MATH 19A Advanced Placement Credit.</p>
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:	<p><a href="http://admissions.ucsc.edu/academics/majors/">http://admissions.ucsc.edu/academics/majors/</a> (general info)</p> <p><a href="http://registrar.ucsc.edu/catalog/programs-courses/">http://registrar.ucsc.edu/catalog/programs-courses/</a> (major requirements, course descriptions, etc.)</p> <p><a href="http://beng.soe.ucsc.edu">http://beng.soe.ucsc.edu</a> (program website)</p>

Questions?  
 Contact an Adviser!  
 BSOE Undergraduate Advising  
 459-5840 or [advising@soe.ucsc.edu](mailto:advising@soe.ucsc.edu)