# New Student Major Advising Summary for 2015-2016 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: Robotics Engineering

### 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 fall.

See [http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-course-credit.html](http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-course-credit.html) for information on placement based on college courses, and [http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-test-credit.html](http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-test-credit.html) for information on placement based on AP exams.

Students with college-level transferable courses must mail or email a copy of the transcript to Baskin School of Engineering Undergraduate Advising 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...

- Attend summer orientation and review degree requirements.
- Determine your Math Placement by completing an assessment at [http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-aleks-overview.html](http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-aleks-overview.html). If you have completed a college-level math course, or have 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.

See [http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-course-credit.html](http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-course-credit.html) for information on placement based on college courses, and [http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-test-credit.html](http://undergrad.pbsci.ucsc.edu/enrollment/math/math-placement/mp-test-credit.html) for information on placement based on AP exams.

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

- Math 3: Precalculus or Math 19A: Calculus for Science, Engineering and Math and
- CMPE 8: Robot Automation

### Skills important for success in this major:

Skills in mathematics, abstract thinking, attention to detail, logical and spatial reasoning, and an interest in how things work and making them work.

### 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.)
- [http://ce.soe.ucsc.edu/academics/undergraduate/robobs/](http://ce.soe.ucsc.edu/academics/undergraduate/robobs/) (program website)

### Questions? Contact an Adviser!

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Rev 6/15/2015