

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: CHEMISTRY B.S.

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: To qualify for this major, students must achieve a cumulative GPA of 2.5 or greater in the following courses or their equivalents: CHEM 1A, 1B, 1C, MATH 22, and one of the following calculus series MATH 11A and 11B, or MATH 19A and 19B.

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 as soon as possible, and by July 16 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 who have taken college-level transferable classes that may apply to the requirements of this major should submit an unofficial transcript to the adviser prior to July 1, in addition to the official transcript that is required by the UCSC Admissions Office.

...and should take these courses their first term: The appropriate mathematics course based on placement and CHEM 1A.

Sample first year plan:

Fall: MATH 11A: *Calculus with Applications*
CHEM 1A: *General Chemistry*

Winter: MATH 11B: *Calculus with Applications*
CHEM 1B/M: *General Chemistry with lab*

Spring: CHEM 1C/N: *General Chemistry with lab*

Skills important for success in this major: Critical and logical thought, complex problem solving using scientific rules and methods, deductive and inductive reasoning.

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://www.chemistry.ucsc.edu/academics/undergraduates/>
(program website)

**Questions?
Contact an Adviser!** Justyn Vanderplas
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