### Marine Biology, B.S.

**Importance of an early start:**

This is a course-intensive and/or sequential program, and students who intend to pursue this major must begin taking classes for the major sometime in their first year at UCSC.

**Qualification requirements and/or prerequisites for the major:**

To qualify for this major, students must pass with a grade of C or better the following courses or their equivalents: Chem 1A, Chem 1B, Biol 20A, Bioe 20B, and Bioe 20C, and Math 11a or 19a. Students with two or more grades of NP, D, or F in the policy courses are not eligible to declare. The math courses will not be included in the calculation of the maximum number of C-, D+, D, D-, F or NP grades for admission to the major.

- **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](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 IB 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/](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 Ecology and Evolutionary Biology Adviser prior to July 1, in addition to the official transcript required by the UCSC Admissions Office. Major requirements must be completed with a grade of C (2.0) or better.

- **Students can take the Chemistry Self Assessment** ([https://undergrad.pbsci.ucsc.edu/enrollment/chem/chem-assessment.html](https://undergrad.pbsci.ucsc.edu/enrollment/chem/chem-assessment.html)) for assistance in determining when to begin in general chemistry.

**Skills important for success in this major:**

- Critical and logical thought, complex problem solving using scientific rules and methods, deductive and inductive reasoning.

**Sample first year plan:**

<table>
<thead>
<tr>
<th>Term</th>
<th>Course 1</th>
<th>Course 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>MATH 3: PreCalculus</td>
<td></td>
</tr>
<tr>
<td>Winter</td>
<td>MATH 11A: Calculus</td>
<td>CHEM 1A: General Chemistry</td>
</tr>
<tr>
<td></td>
<td>with Applications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 11B: Calculus</td>
<td>CHEM 1B: General Chemistry</td>
</tr>
<tr>
<td></td>
<td>with Applications</td>
<td></td>
</tr>
</tbody>
</table>

**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://undergrad.pbsci.ucsc.edu/eeb/mabibs/](http://undergrad.pbsci.ucsc.edu/eeb/mabibs/) (program website)

**Questions? Contact an Adviser!**

Betty O'Donnell and Karina Frazier  
[eebadvising@ucsc.edu](mailto:eebadvising@ucsc.edu)

389 Thimann Labs Building  
Rev 6/12/2017