

# OCEANOGRAPHY, MINOR

## College of Letters & Science

Oceanography is the study of the earth's oceans, investigating connections between geological, biological, chemical and physical processes in the marine realm, and the interactions between the Earth's ocean/atmosphere system. The interdisciplinary minor in oceanography is for students with backgrounds in any of these fields, as well as those interested in marine policy and conservation. The curriculum reflects the integrative nature of oceanography, with core courses covering the major disciplines in oceanography and elective courses that allow students to cater the minor to their interests. The oceanography minor includes courses taught at the Davis campus and courses offered at Bodega Marine Laboratory.

Students majoring in Geology (<https://catalog.ucdavis.edu/departments-programs-degrees/earth-planetary-sciences/geology-bs/>) may elect to complete a minor in Geophysics, Environmental Geology, or Oceanography. They may not complete a minor in Geology.

Students majoring in Marine & Coastal Science (<https://catalog.ucdavis.edu/departments-programs-degrees/earth-planetary-sciences/marine-coastal-science-bs/>) may elect to complete a minor in Geology, Geophysics, or Environmental Geology. They may not complete a minor in Oceanography.

The minor is sponsored by the Department of Earth & Planetary Sciences (<https://catalog.ucdavis.edu/departments-programs-degrees/earth-planetary-sciences/>).

## Advising

Visit the staff major advisor (<https://eps.ucdavis.edu/students/undergrad/advising/>) for help navigating minor requirements, policies, prerequisites, and course offerings. Visit the faculty major advisors (<https://eps.ucdavis.edu/students/undergrad/advising/>) for additional advice on courses, careers, and graduate school. Faculty Advisor: T. M. Hill.

Work with your major advisor and college advisors to fit a minor into your overall academic plan.

Declare your minor using the OASIS Minor Declaration form (<https://students.ucdavis.edu/forms/instructions/minordeclaration.aspx?sv=true>), due the quarter before graduation.

| Code  | Title                                     | Units |
|---|---|-------|
| GEL 116N/   | Oceanography (Discontinued for fall 2026) | 3     |
| ESP 116N DISCONTINUED FOR FALL 2026   |   |       |
| or EPS 116  |   |       |
| Choose two:   |   | 7-8   |
| GEL/ESP 150A  | Physical & Chemical Oceanography          |       |
| GEL/ESP 150B  | Geological Oceanography                   |       |
| GEL 150C/   | Biological Oceanography (GEL 150C         |       |
| ESP 150C DISCONTINUED FOR FALL 2026   | Discontinued for fall 2026)               |       |
| or EPS 150C   |   |       |
| Choose additional courses from above and/or from the following list to reach at least 18 total units for the minor: |   | 8     |
| ATM 121A  | Atmospheric Dynamics                      |       |
| ATM 121B  | Atmospheric Dynamics                      |       |

|                    |   |
|--------------------|---|
| ATM 158            | Boundary-Layer Meteorology  |
| ESP 124            | Marine & Coastal Field Ecology *                                    |
| ESP 152            | Coastal Oceanography *  |
| ETX 120            | Perspectives in Aquatic Toxicology                                  |
| ETX/NUT 127        | Environmental Stress & Development in Marine Organisms *            |
| EVE 106            | Mechanical Design in Organisms (Discontinued for winter 2026) *, ** |
| EVE 112            | Biology of Invertebrates *  |
| EVE 114            | Experimental Invertebrate Biology *                                 |
| EVE 115            | Marine Ecology  |
| GEL 108            | Earth History: Paleoclimates  |
| GEL 109            | Earth History: Sediments & Strata (Discontinued for fall 2026) **   |
| or EPS 109         |   |
| GEL 152            | Paleobiology of Protista (Discontinued for winter 2026) **          |
| WFC 120            | Biology & Conservation of Fishes                                    |
| WFC 157            | Coastal Ecosystems  |
| <b>Total Units</b> | <b>18-19</b>  |

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Course taught at Bodega Marine Laboratory.

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Course(s) discontinued; see your advisor for course options.