SEA Semester: **Ocean Exploration**
An interdisciplinary ocean studies semester which combines natural sciences, humanities, and social sciences with hands-on research and sailing experience.

SEA Semester: **Colonization to Conservation in the Caribbean**
A Social Sciences and Humanities intensive semester focused on understanding 500 years of environmental, political, and social change among the diverse islands of the Caribbean region.

SEA Semester: **Oceans & Climate**
An oceanographic research intensive semester that examines how the oceans function in the global climate system, incorporating public policy perspectives to learn how scientific knowledge is used in policy making.

SEA Semester: **Sustainability in Polynesian Island Cultures & Ecosystems**
An Environmental Studies semester that takes an interdisciplinary look at the people and islands of Polynesia in an effort to learn what they can tell us about the global issues of environmental sustainability and cultural continuity.

SEA Semester: **Energy & the Ocean Environment**
An investigative science and policy semester focused on the social, environmental, & technological dimensions of energy production and transportation in coastal and open ocean environments.

SEA Semester: **Marine Biodiversity & Conservation**
An integrated semester that applies modern biodiversity research to place-based resource management in the coastal and open ocean.

SEA Semester: **SEA Summer Session & SEA Trimester Program**
Abbreviated 8-week versions of our SEA Semester: Ocean Exploration program.

About Sea Education Association (SEA)
For more than 40 years and over one million nautical miles, SEA has educated undergraduates about the world’s oceans through our fully accredited off-campus study program, SEA Semester. Every SEA Semester begins with a shore component in the oceanographic research center of Woods Hole, Massachusetts in preparation for an open ocean research cruise. Each program combines elements of oceanography, maritime history & culture, environmental studies, public policy, and nautical science.

Moving beyond the textbook toward practical application, hands-on research, and personal experience, SEA Semester prepares students to take a more active role in solving today’s environmental problems.

Admissions and Financial Aid
Admission Counselors are ready to help you through the process of applying to the SEA Semester that’s right for you! Application instructions can be found on our website at www.sea.edu/admissions or you may email admission@sea.edu to get started.

SEA offers generous need-based aid packages, a range of merit scholarships, and is able to process aid that may be transferred from your home institution. Read more about our commitment to affordability at www.sea.edu/admissions/financial_aid.

Sea Education Association
P.O. Box 6
Woods Hole, MA 02543
800-552-3633 x 770
800-977-8516 fax
www.sea.edu
Understanding climate change is the predominant scientific challenge of our time, and the timely application of this knowledge to public policy is crucial to the future of the planet. This oceanography-focused semester examines how the global ocean functions in the climate system. Incorporating perspectives from the social sciences, we investigate how scientific knowledge is used in public policy. Together with SEA’s experienced faculty, prominent visiting lecturers share their research and work directly with students. A 3000-mile research cruise offers a unique opportunity to study the remote open ocean environment through directed research projects.

**On Shore in Woods Hole**
During the 6-week shore component, intensive academic coursework prepares students for their research cruise. With full access to SEA faculty, distinguished guest lecturers, and the world-renowned Marine Biological Laboratory/Woods Hole Oceanographic Institution Library, students design original research projects to be completed at sea. Students also work toward establishing seamanship skills while exploring the anthropological connections to their research.

**At Sea in the Equatorial Pacific**
As full, working members of the scientific team and sailing crew aboard the SSV Robert C. Seamans, students deploy oceanographic sampling equipment, manage shipboard operations, navigate by the stars, and make port stops off the beaten path. They also work through the scientific method by conducting an independent research project related to climate change. Students implement their experimental design, analyze collected data, and present their findings upon completion of the sea component.

**Who Should Apply?**
SEA Semester: Oceans & Climate attracts upper-level science students interested in understanding the ocean’s role in the global carbon cycle and climate change. To be eligible, students must have taken at least three lab science courses (one at the 300-level or higher) or received permission from SEA faculty.

**Cruise Track**
SEA Semester: Oceans & Climate is offered only in the Pacific Ocean. Cruise tracks vary by semester so students should consult www.sea.edu/admissions for the most up-to-date program calendar.

**Courses and Credit**
SEA Semester: Oceans & Climate carries 17 semester hour credits from Boston University for successful completion of the program.

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<th>BU Course #</th>
<th>Course Title</th>
<th>Credits</th>
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<td>CAS NS 321</td>
<td>Oceans in the Global Carbon Cycle</td>
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<td>Ocean Science &amp; Public Policy</td>
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<td>CAS NS 223</td>
<td>Nautical Science</td>
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<td>XAS NS 324</td>
<td>Oceanographic Field Methods</td>
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<td>XAS NS 325</td>
<td>Directed Oceanographic Research</td>
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