Recommendations

B.S. Marine Science

To learn more about how you can make the most of your educational experiences within and beyond the classroom contact:

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PARTICIPATE

Community Service

Related course
MSCI 5991 Riverbanks Zoo Internship

Sites/experiences
SEAS (Students Engaged in Aquatic Sciences - Students teach local school children using marine touch tanks), River Sweep, Project Aware, Gills Creek Watershed Association.

Why this is important
Teaching others - particularly children - about the oceans and aquatic animals helps develop awareness of environmental and political issues that threaten ocean health.

Global Learning

Related course
MSCI 460 Field and Laboratory Investigations

Timing for “study abroad”
Any summer break or semester during Junior year

Destinations
Australia, Costa Rica, South Africa; SEA Semester

Opportunities
Baruch Marine Field Lab, Georgetown

Why this is important
Marine Science majors are encouraged to visit oceans in other parts of the world for firsthand experience with different ecosystems.

Peer Leadership

Student Organization(s)
SEAS (Students Engaged in Aquatic Sciences), SCUBA Club, SAGE (Students Advocating a Greener Environment), Wildlife Association

Opportunities
Peer leader for common courses, Independent research in faculty labs

Why this is important
Demonstrated leadership can be a factor in departmental awards, national scholarships (Hollings, Udall, Goldwater) and successful application to graduate school.

Internships

Related Courses
MSCI 5991 Riverbanks Zoo Internship, MSCI 460 Field and Laboratory Investigations, MSCI 399 Independent Study

Program Internship Requirements
3 weeks of fieldwork required for B.S. in Marine Science

Recommended sites/work experiences
Riverbanks Aquarium & Reptile Complex, Summer Research Experiences for Undergraduates (REU) opportunities

Research

Related courses
MSCI 496, 497, 498, 499 Research in Marine Science; MSCI 5991 Riverbanks Zoo Internship; MSCI 460 Field and Laboratory Investigations; MSCI 399 Independent Study

Sample research projects or topics
Nutrient cycling; global climate change; invasive species; phytoplankton; impact of humans on the marine environment; coastal erosion.
Other recommendations

Magellan grants

Why this is important

Research experience, particularly independent research, plays a major role in departmental awards, national scholarships (Hollings, Goldwater, Udall) and successful application to graduate school. It is also instrumental in helping students decide which facet of oceanography to focus on in the future.

INTEGRATE

How to integrate

Field trips associated with MSCI 101, 102, 311, 510 and 536 give students firsthand experience with concepts they have been learning about in the classroom; MSCI 460 includes three weeks of intensive field research at the Baruch Marine Field Lab in which students use skills, concepts, equipment and theories they have been learning about for 3-4 years.

LEAD

Initial career opportunities


Future career opportunities

National Oceanic and Atmospheric Administration (NOAA), Zoos and Aquariums, US Navy/NAVOCEANO, Alaska Fisheries department, SC DNR and other state agencies in coastal states, Environmental Education Centers, Faculty at Colleges and Universities; K-12 Teaching; Private, University, and Government Lab Managers; Private industry including oil, pharmaceutical, and environmental companies.

The listed experiences are a sample of options for your major. See the USC Connect experiences database to search for more opportunities.

www.sc.edu/uscconnect/participate