

Marine Sciences

Marine Sciences is a highly interdisciplinary field requiring an understanding and application of basic science, including biology, physics, and chemistry. In particular, the Marine Sciences major provides students with a solid background in basic biology as well as in the physics and chemistry of the ocean. Upper-division electives permit each student to gain a deeper understanding of particular groups of organisms (microorganisms, algae, marine invertebrates, fish, and marine mammals) and of habitats (salt marshes, rocky intertidal, barrier islands, dunes, estuaries, and the open ocean).



Students are encouraged to participate in research and internships. Opportunities for experiential learning are available through field and laboratory courses taught at or near the Stony Brook campus and from a field station at the Stony Brook Southampton campus.

Most students who wish to have a career in research related to the marine environment will need to plan for graduate study. Career possibilities include research, education, or employment in government agencies or non-profit organizations.

Transferable Skills

- Analytical and critical thinking
- Foundational science knowledge
- Presentation, public speaking, & didactic skills
- Technical writing skills
- Research skills
- Manage time efficiently by setting priorities
- Evidence and data acquisition and analysis
- Understanding environmental issues
- Communication skills

Career Communities to Consider

- Research
- Public Service
- Education & Helping Professions