

# Biology Department – Marine Biology

**Students pursuing a BS in Biology: Marine Biology will study the ecology and biology of marine organisms.**

Marine Biology focuses on how marine organisms interact with each other and their environment. It explores a diverse range of topics spanning from ecology and conservation to physiological and molecular adaptations to the ocean environment. Students will develop a solid foundation in the fundamental biological principles before specializing in Marine Biology. Our faculty's research interests in Marine Biology span molecular and cellular approaches to ecological interactions and physiological specializations and behavior.

Courses emphasize hands-on experience with methods in field and analytical techniques, experimental design, molecular approaches, and statistical analyses. Students will have an opportunity to work both in the laboratory and in nearby coastal and offshore environments. Our campus offers easy access to a wide variety of marine habitats on the South Coast of Massachusetts. Our Marine Biology courses emphasize a diversity of ecological and evolutionary topics including the study of marine fishes, invertebrates, mammals, and microbes, as well as marine science and oceanography. Students also may pursue independent research projects under faculty supervision. A focus in Marine Biology is highly recommended for students planning to pursue graduate study in this field.

## Course Requirements

2-year Biology core

BIO 316 – Descriptive Oceanography

BIO 314 – General Ecology

BIO 430 – Biostatistics

Two courses from the Taxon-Specific Group

BIO 499 – Capstone Seminar

One additional 300+ Biology Elective

## Career Opportunities

- Fisheries Biologist
- Fisheries Observer
- Research Assistant in Industry
- Research Technician in Academia
- Environmental Educator
- Project Manager
- Aquaculture Technician
- Natural Resource Biologist

## Employers

- Government Agencies (Fish and Wildlife Service, NOAA, Division of Marine Fisheries, Department of Public Health)
- Fishery Observer Programs
- Environmental Consulting Companies
- Universities & Research Institutes
- Non-Profit Organizations
- Zoos and Wildlife Conservation Centers

