

Marine Biology

BACHELOR OF SCIENCE



Where It Can Take You

New methods to manage the ocean demand a new generation of managers, with solid scientific credentials. Many biologists continue into graduate studies in biology, medicine, or the environment. And, your dedication to the marine environment will place you ahead of the competition.

Become a Leader

aquaria, husbandry
coastal development
ecotourism
education
(primary, secondary, college)
environmental consulting
environmental, maritime law
marine engineering
pharmaceutical, medical applications
recreational, commercial business
research
veterinary science
water management

Learn More
cnso.nova.edu

B.S. in Marine Biology

Explore the physical sciences and discover the intricacies of the marine world. New species and new aspects of the ocean are constantly being revealed, and you'll gain the tools to become an expert in the world's largest laboratory.

What You'll Study

Marine biology incorporates studies of the animals, the chemistry, and the physics of the oceanic realm. You'll gain firm grounding in large ecosystems, laboratory techniques, and ecology. Electives take you deeper into zoology, sharks, and coral communities.

How You'll Learn More

An entire Nova Southeastern University campus and marina is devoted to marine science. You'll also benefit from NSU's strength across all sciences. In class and in the field, you'll learn from researchers at the forefront of their profession. Study abroad and independent study give you freedom to delve into your passion.

Unique Opportunities

- Undergraduate Student Symposium and Film Festival: present your research or analytical work; awards presented
- local, national conferences: attend or present your work based on your interests
- lab facilities: equipment enables students to practice assessments in various specializations
- climate-sustainability lecture series: learn about the science, technology, and policies relating to climate change and sustainable development
- Rho Rho Rho: join the national marine biology honor society based on your academic achievement



Marine Biology

BACHELOR OF SCIENCE

Marine Biology Major Curriculum 2016–2017

Students are required to complete 30 credit hours as part of the General Education Program. Freshmen starting in fall 2016 or later are required to successfully complete the First-Year Seminar (UNIV 1000) in their first semester at NSU.

MARINE BIOLOGY MAJOR REQUIREMENTS (79 Credits)

Core Courses (60 credits)		Credits
BIOL 1500	Biology I/Lab	4
BIOL 1510	Biology II/Lab	4
OR		
BIOL 1510H	Biology II/Lab Honors	4
BIOL 3200	General Ecology/Lab	4
BIOL 3300	Invertebrate Zoology/Lab	4
BIOL 3600	Genetics/Lab	4
CHEM 1300	General Chemistry I/Lab	4
OR		
CHEM 1300H	General Chemistry I/Lab Honors	4
CHEM 1310	General Chemistry II/Lab	4
OR		
CHEM 1310H	General Chemistry II/Lab Honors	4
CHEM 2400	Organic Chemistry I/Lab	4
OR		
CHEM 2400H	Organic Chemistry I/Lab Honors	4
CHEM 2410	Organic Chemistry II/Lab	4
OR		
CHEM 2410H	Organic Chemistry II/Lab Honors	4
MATH 2020	Applied Statistics	3
OR		
MATH 2020H	Applied Statistics Honors	3
MATH 2100	Calculus I	4
OR		
MATH 2100H	Calculus I Honors	4
MBIO 1050	Introductory Marine Biology Seminar	1
MBIO 2410	Marine Biology/Lab	4
MBIO 2500	Oceanography/Lab	4
PHYS 2350	General Physics I/Lab	4
PHYS 2360	General Physics II/Lab	4

Major Grouped Electives (19 Credits)

Group I: Science foundation electives

Select 13 credits or more from the following courses.		Credits
BIOL 3311	Vertebrate Zoology/Lab	4
BIOL 3800	Evolution	3
CHEM 3650	Biochemistry/Lab	4
ENVS 2100	Environmental Science Laboratory	3
ENVS 3000	Environmental Geology/Lab	4
MATH 2200	Calculus II	4
OR		
MATH 2200H	Calculus II Honors	4
MBIO 3500	Food Web Dynamics	3
MBIO 3600	Plankton Ecology	3
MBIO 3700	Biology of Fishes/Lab	4
MBIO 3750	Coral Reefs and Coral Communities	3
MBIO 3910	Sharks and Their Relatives	3
MBIO 4900	Special Topics in Marine Biology	1–3
SCIE 3210	History of Science	3
SCIE 4490	Research Methods	3

Group II: Lab or field-based electives

Select 6 credits or more from the following courses.		Credits
ENVS 1500	Natural History of South Florida	4
ENVS 2000	Biodiversity of Alaskan Ecosystems	3
AND		
ENVS 2001	Biodiversity of Alaskan Ecosystems Field Course	1
ENVS 3170	Everglades Ecology and Conservation	3
MBIO 3450	Survey of Marine Mammals	3
MBIO 3800	Island Biogeography	3
AND		
MBIO 3801	Island Biogeography Field Course	1
MBIO 4260	Ecology of the Galapagos Islands	3
AND		
MBIO 4261	Ecology of the Galapagos Islands Field Trip	1
MBIO 4990	Independent Study in Marine Biology	1–12

This publication should not be viewed as a substitution for official program requirements and outcomes. A student is responsible for meeting the curriculum and program requirements in the *Undergraduate Student Catalog* that are in effect when the student enters the program.

Nova Southeastern University admits students of any race, color, sexual orientation, and national or ethnic origin. ■ Nova Southeastern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate's, baccalaureate, master's, educational specialist, doctorate, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Nova Southeastern University. 07-053-16_59PGA

Admissions

3301 College Avenue
Fort Lauderdale, Florida 33314-7796
nova.edu/admissions
(954) 262-8000 • 800-338-4723
admissions@nsu.nova.edu

