

Marine Biology BS at a Glance



Program Overview:

The Marine Sciences Programs offers an undergraduate degree in Marine Biology that provides a strong foundation in structural and developmental biology, physiology, organismal diversity, physical oceanography and ecology. Students are encouraged to get involved with research in the lab and in the field. The degree takes advantage of the diverse marine environments of Florida and the Caribbean as well as the exciting research programs in the Marine Sciences Program. The (B.S.) degree in Marine Biology prepares students for diverse careers in marine sciences, biology, or even medical school. FIU Marine Biology majors are also well-prepared for further graduate and professional studies.

Prerequisites:

CHM 1045 General Chemistry I
CHM 1045L General Chemistry Lab I
CHM 1046 General Chemistry II
CHM 1046L General Chemistry Lab II

CHM 2210 Organic Chemistry I
CHM 2210L Organic Chemistry Lab I

-AND-

CHM 2211 Organic Chemistry II
CHM 2211L Organic Chemistry Lab II

-OR-

CHM 2200 Survey of Organic Chemistry
CHM 2200L Survey of Organic Chemistry Lab

-AND-

CHM 3120 Intro to Analytical Chemistry
CHM 3120L Intro to Analytical Chemistry Lab

-AND- CHS 4600 Marine Chemistry

OCB1930 Marine Biology at FIU
BSC 2010 General Biology I
BSC 2010L General Biology I Lab
BSC 2011 General Biology II
BSC 2011L General Biology II Lab
MAC 2311 Calculus I
MAC 2312 Calculus II - or - 2 semesters of
Statistics (STA 2122 & STA 3123 or
STA 3111 & STA 3112)

PHY 2048 Physics with Calculus I
- or - PHY 2053 Physics without Calculus I
PHY 2048L General Physics Lab I
PHY 2049 Physics with Calculus II
- or - PHY 2054 Physics without Calculus II
PHY 2049L General Physics Lab II

Careers/Job Opportunities:

Oceanographer
Marine Mammal biologist
Microbiologist

Marine educator
Ocean engineer
Marine Environment Educator

Physician
Physical Therapist
Pharmacist

Conservation Biologist
Ecologist
Aquatic chemist
Aquarium curator

Aquaculture Veterinarian
Dentist
Veterinarian
Optometrist

Secondary Education Teacher
Laboratory Technician
Marine Archeologist
Marine Environment Economist

Recommended Minors, Certificates, or Second Majors:

- Chemistry Minor
- Environmental Studies Minor
- Certificate in Biodiversity Conservation and Management
- Certificate in Environmental Studies
- Certificate in Coastal and Marine Affairs
- Natural and Applied Sciences Second Major

Advising Contact Information:

CASE STEM Advising Center
MMC: OE 164 | 305-348-2978
BBC: AC1 300 | 305-919-5859
Email: mbioadv@fiu.edu

Helpful Links:

Department Website: <http://marine.fiu.edu>
CASE Advising Website: <http://caseadvising.fiu.edu>
MyMajor Website: <http://mymajor.fiu.edu>
Pre-Health Advising: <http://prehealthadvise.fiu.edu>
MyFIU: <http://my.fiu.edu>
Career Services: <http://career.fiu.edu>
Free Tutoring: Center for Academic Success: <https://ugrad.fiu.edu/cas>
MPAS One-on-One Free Tutoring: <http://mpas.fiu.edu>

College Requirements:

- *All majors must complete 45 credits of upper division prior to graduation. Upper division courses are 3000/4000 level courses, major courses and outside electives can count towards this requirement.*
- *No 1 and 2-credit physical activity courses can be counted towards the 120 credits needed for graduation.*