

BIOLOGICAL SCIENCES *with a Concentration in Marine Biology*

COLLEGE OF ARTS + SCIENCES



COURSES

In your first two years, you'll take the four core biology courses. Two of these classes are linked with labs so that as you learn the fundamental concepts of the biological sciences, you'll also get some hands-on lab and field experiences. Here's a sample of what you can expect to learn and do:

Biology of Fishes

This course emphasizes functional morphology, sensory biology, physiology, reproduction, behavior, ecology, and conservation. You will learn a good deal about the taxonomy and natural history of common southeastern freshwater and marine fishes through fieldtrips and laboratory study of collected specimens. You will boldly go where most terrestrial biologists avoid!

Conservation Biology

The study of the conservation of biodiversity based in the principles of ecology, evolution, and genetics. The primary goal of this course is to understand natural ecological systems in the context of a human dominated world to learn to best maintain biological diversity in concert with an exploding human population. This is accomplished through lecture, group discussion, and videos.

Tropical Ecology

This course examines biology, ecology, and conservation of flora and fauna of tropical ecosystems. The co-requisite laboratory for this course involves a fieldtrip abroad to a country such as Belize, Ecuador, Honduras, or Panama to experience first-hand the unique natural history and unparalleled biodiversity of tropical ecosystems. Tropical Ecology incorporates an intense study abroad component and service learning.

LIFE'S FUNNY, ISN'T IT? That's one thing people say. Or amazing. Or chaotic, beautiful, unfair, and too short. But a biologist says that life is discoverable. Medicine, dentistry, pharmacy, environmental service, molecular genetics, virology, botany, ecology, marine biology, microbiology, physiology, zoology—our program is the first step toward all of these fields and more. Whether your interest is micro or macro, we'll turn you into an expert-level life scientist.

Possible Careers:

- Marine Ecologist
- Conservation Biologist
- Wetland manager
- Aquarium Curator

ATTENDING LOYOLA means being in the heart of New Orleans. Our campus is located in the city's historic Uptown neighborhood, just a short drive from the Central Business District, the city's hub of innovation and strategic thinking. You'll learn to hone your talents in the city named #1 new brainpower city in America and the #5 city in the U.S. for women in tech.