

BIOLOGICAL SCIENCES *with Teacher Certification*

COLLEGE OF ARTS + SCIENCES



COURSES

The courses listed below represent the curriculum offered within the biological sciences discipline. The additional teacher's certification requires 30 credit hours of supplemental teaching curriculum, after which students will be prepared to teach secondary education (grades 6-12). Here's a sample of what you can expect to learn and do:

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, Socratic discussion, and videos.

Global Ecology

This course examines the basic concepts of ecology, including the nature of ecosystems, energy flow, biogeochemical cycles, and characteristics of populations and communities of organisms. The role of humans in the ecosphere is emphasized, with particular attention to human population problems, food production, and pollution problems.

Marine Conservation Biology and Ecology

This course examines diversity, physiology, ecology, and conservation of microbes, plants, and animals that live in the marine environment. Emphasis is placed on how marine organisms have adapted to living in their environment and how humans depend upon and affect marine ecosystems.

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. And as a teacher of biology, you are—quite literally—teaching future generations about life. 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 specialties and more. Whether your interest is micro or macro, we'll turn you into an expert-level life scientist and teacher.

Possible Careers:

- Botanist
- Ecologist
- Marine Biologist
- Microbiologist

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.