

# ENVIRONMENTAL SCIENCE *with Teacher Certification*

COLLEGE OF ARTS + SCIENCES



## COURSES

The courses listed below represent the curriculum offered within the environmental science discipline. The teacher's certification requires 33 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:

### **Mapping and Geospatial Technologies**

Students learn fundamental geographic and scientific concepts underlying geospatial technologies, with an emphasis on modern mapping through GPS and remote sensing. Students design and generate their own mapping projects

### **Ecology and Evolution**

This course introduces current concepts and principles of ecology and evolution. Students examine animal behavior, populations, communities, ecosystems, biogeography, natural selection, speciation, the history of life, human evolution, and other topics through lectures, readings, discussion, and field trips.

### **Capstone Internship**

Students gain practical experience in environmental fields by conducting service learning projects or volunteer work at a community, government, tourism, or non-government organization. Teacher certification students often design an internship that incorporates informal science education or public outreach.

### **Student Teaching**

Teaching certification students design and conduct a full-time directed teaching assignment in a secondary school within the Greater New Orleans region in an area related to environmental science.

**HOW WOULD YOU** like to save the world? Every day, more research indicates that global climate change is real and is one of the most pressing and dangerous issues facing our world today. In addition to scientists discovering these issues, we need people like you—secondary teachers, geographers, nature educators, and education outreach directors—to shape how we address all environmental challenges. Our program prepares students to use what they learn in the natural sciences, social sciences, and humanities to understand human interactions with the environment. This environmental science teaching concentration prepares you to be a critical part of educating our world to live sustainably.

## *Possible Careers:*

- Naturalist
- Geographer/GIS specialist
- 6-12 science teacher
- Outreach Coordinator

**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, creativity, and strategic thinking. You'll learn to hone your talents in the city named #1 new brainpower city in America and #1 best city in the U.S. for creative professionals.