



COLLEGE OF ARTS + SCIENCES

Environmental Science with Teacher Certification



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 dangerous issues facing our world. In this program, you're training to be part scholar, part activist. Because as both a scientist and teacher, you don't just discover and fix the problems of today—you help future generations to discover and fix their world's problems, as well. At Loyno, we'll equip you with basic knowledge of the physical, chemical, and biological aspects of ecological systems and prepare you to apply this knowledge to problems arising from human activities. That way, as our world continues to change, you can give us what we need to change with it.

This is the place.

There's no better place to be involved in earning your secondary teacher certification than New Orleans. Our city sits in the middle of a diverse mix of cultures and ecosystems. In the past decade, New Orleans has emerged as a center for trying engaging new approaches to K-12 education. This is the place for both developing teachers and environmental scientists to make a difference.

The Loyno community offers many opportunities for student involvement in environmental education, especially concerning environmental sustainability, locavorism (community gardens), and wetlands and biodiversity loss. We proudly support several student environmental organizations, including the Loyola Natural History Club, Loyola Association of Students for Sustainability, Loyola University Community Action Program, and Environmental Law Society.

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:

Foundations in Environmental Studies

Students explore the major questions of environmental studies through readings, class discussions, interaction with faculty and others working in the field, field observation, and their own inquiry. Required for all environmental science and environmental studies majors.

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.