



Distance Education

Urban Ecology and Sustainable Planning Master of Professional Science Degree (2020-2021)

The rapid acceleration of urbanization around the globe has caused a unique set of environmental challenges that must be addressed. Urban ecology examines the relationship between humans and nature in urban environments. This program prepares students to improve the livability, vitality, and sustainability of urban communities. With a focus on environmental and sustainability issues, emphasizing the interactions between wildlife and humans in an urban environment, students develop the leadership skills needed to tackle the quickly evolving environmental issues related to urban ecology and urban planning.

Graduates of the MPS in Urban Ecology and Sustainable Planning will be able to:

1. Analyze spatial, qualitative, and quantitative data to address environmental problems.
2. Explore the relationships among social, environmental, and economic systems and address their role in shaping and managing human behavior.
3. Describe the ethical, scientific, and policy strengths and weaknesses of current and proposed environmental urban ecology and planning solutions.
4. Apply sustainable design principles to effectively collaborate across multiple professions to design sustainable communities.
5. Apply professional skills needed to establish a career in the emerging urban ecology and sustainable planning field.

Program Core

GISC 505 GIS and Remote Sensing for Environmental Solutions
MATH 540 Quantitative Methods for Sustainable Solutions
UESP 505 Sustainable Design: Green Spaces and Urban Nature
UESP 605 Sustainable Design: Creating Sustainable Buildings
UESP 615 Planning for Human-Wildlife Interactions in Urban Environments

Professional Skills Core

PROF 505 Strategic Management of Innovation
PROF 510 Communication for Environmental Professionals
PROF 515 Ethical Practice and Policy
PROF 590 Capstone I
PROF 690 Capstone II