

# ENVIRONMENTAL STUDIES AND SCIENCE

NYC PLV



Pace University's Department of Environmental Studies and Science helps students develop the necessary skills to understand scientific, social, economic, and ethical questions related to the environment and to meet the challenge of building a sustainable future. Students learn by working with our world-class faculty and staff on collaborative projects, often in partnership with local institutions such as museums, government, nonprofits, and nature preserves. The Department offers a **Bachelor of Arts in Environmental Studies**, a **Bachelor of Science in Environmental Science**, two minors, and a certificate in Environmental Conservation, as well as a **MS in Environmental Science and Policy**. Our majors can be tailored to meet your interests and goals, and you will find many opportunities to gain field experience beyond the classroom through research, programs, and internships.

## BA IN ENVIRONMENTAL STUDIES

In this program you will critically analyze key issues such as pollution, poverty, biodiversity, climate change, and resource use, to equip you with the knowledge and skills needed to help find effective and just solutions to our current environmental challenges. The interdisciplinary approaches you will learn in this degree are key to solving environmental issues and are in high demand. Our graduates have gone on to environmental careers in law, nonprofits, advocacy, journalism, education, management, preservation, and conservation. Many of our graduates have also worked as lobbyists on the state and federal level.

## BS IN ENVIRONMENTAL SCIENCE

In this program you will earn an interdisciplinary environmental science degree within the context of a liberal arts education. You will learn about and help to develop the science that informs how we understand and make decisions about the environment. The program is designed for students interested in ecological systems and how humans impact those systems. Many of our environmental science graduates continue postgraduate degree programs or find work in public and private environmental science organizations, such as environmental consulting.

## COMBINED DEGREE PROGRAMS

We offer several opportunities for combined undergraduate and graduate degrees through partnerships with Pace's Elisabeth Haub School of Law, the Public Administration program, and our own Master's in Environmental Science and Policy. These programs allow students to take courses as an undergraduate that will count toward a master's or law degree, so they can graduate with both a bachelor's and a postgraduate degree with a few extra steps.

## RESEARCH OPPORTUNITIES

Our faculty members have active research programs and are engaged with community partners. We work in a wide range of areas including, climate change, ecological field studies, wildlife conservation green infrastructure, environmental governance, and tropical ecology. Both undergraduate and graduate students work closely with faculty on collaborative research projects.

Our students have presented the results of their research at national and international scientific meetings and have authored papers in scientific journals. They have also been the recipients of international fellowships for continued study in the United States and abroad.

## MINORS AND CERTIFICATES

We offer two distinct minors in Environmental Studies and Sustainability. We also offer an Environmental Conservation certificate that fosters the skills and knowledge needed for a career in conservation. Courses in this program are experiential, focusing on hands-on, outside of the classroom fieldwork and internships that also fulfill major electives in either the Environmental Studies or Science degrees.

## OUR ALUMNI GET JOBS

**Carly Sheinberg '19**, Environmental Studies, is an Urban Park Ranger at the NYC Department of Parks and Recreation. Carly leads projects that support wildlife, preserve the urban natural world, and promote stewardship of parks and natural resources.

**Celeste Perez '21**, MS in Environmental Science and Policy, is the Policy Organizer at the New York City Environmental Justice Alliance. Celeste focuses on implementing New York State's Climate Leadership and Community Protection Act which provides equitable policy developments and implementation for low-income and minority communities.



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## Anne Toomey, PhD Associate Professor

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Toomey, PhD, focuses on how people connect to their natural environment and the role of science in supporting that connection. Research interests include exploring the links between citizen science, civic environmental stewardship, and community resilience in urban settings.

## FACULTY

### Matthew Aiello-Lammens, PhD Associate Professor

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Aiello-Lammens, PhD, focuses on factors influencing changes to species ranges, likely causes of population declines and explosions and the interconnectedness among species that result in the ecosystems we observe, near and far. Research interests include community ecology, species demography, and conservation science, spanning different regions in the world from the northeastern US to South Africa.

### S. Perl Egendorf, PhD Assistant Professor

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Egendorf, PhD, studies urban soils and their intersections with food justice, environmental justice, and climate justice. Perl conducts participatory research in collaboration with urban gardeners, farmers, composters, artists, and youth to investigate the viability of constructed soils for growing food in cities, limiting exposure to legacy and emerging contaminants, and mitigating the effects of climate change.

### Michael Finewood, PhD Chair and Associate Professor

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Finewood, PhD, focuses on environmental governance, water, community development, and urban geographies, with explicit attention to environmental justice. Research interests include urban stormwater governance, Hudson Valley watershed governance, and green infrastructure.

### Michelle Land, JD Director, MS in Environmental Science and Policy and Clinical Associate Professor

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Professor Land focuses on environmental law and policy, wildlife biology, interdisciplinary education, and campus sustainability. Research interests include the intersection of animal welfare and conservation policy, the welfare of large range animals in circuses, and local and statewide policies for animal protection.

### Monica Palta, PhD Director, Undergrad Environmental Science and Assistant Professor

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Palta, PhD, focuses on wetlands and watersheds throughout the U.S., examining ecological and anthropogenic processes that mediate the sources and fate of nutrients and greenhouse gases. Research interests include Wetlands created "accidentally" in urban areas by municipal storm water outfalls and the types of ecosystem services they provide, particularly to low-income populations and people who are homeless.

### Michael Rubbo, PhD Clinical Associate Professor

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Rubbo, PhD, focuses on the Ecology of suburban ecosystems. Research interests include addressing issues such as human-wildlife conflicts, disease ecology, and the adaptations of local wildlife to land development. He strives to involve students (through research projects or internships) in conservation projects at organizations throughout the lower Hudson Valley.



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