NEW DEGREE IN DEVELOPMENT: AQUATIC CONSERVATION AND ECOLOGY (ACE)

WHAT IS IT?

In a nutshell, this new degree is about equipping students with the knowledge and skills needed to launch their careers in ecology and conservation, with a focus on aquatic ecosystems and species.

It integrates conservation and ecology with highly desired skills in scientific communication, quantitative reasoning and data science.

It provides students with the foundational principles of ecology (spanning populations, communities, and ecosystems) and applies them to well-known systems and taxa.

It provides students with foundational principles in conservation science (conservation biology, environmental justice and ethics, and conservation methods) and applies those to contemporary conservation challenges. These challenges include climate change, sustainable fishing and aquaculture, invasive species, and restoration.

DEGREE FEATURES

- Minimal STEM requirements outside the degree (BIO 180, Q SCI 291 / MATH 124, and Q SCI 381)
- Flexible pathways that allow students to focus on areas of greatest interest, as well as options in independent research and a practicum in conservation
- Training in the professional skills highly valued by employers: quantitative and data science skills, team work, and communication
- Minimal overall degree requirements (as few as 90 credits) grant students the freedom to structure their undergraduate experience to best prepare them for multiple career pathways
- Combines foundational knowledge with practical application to well-known species, ecosystems, and issues.
- Courses are led by nationally and international-renowned experts in ecology and conservation.