



CAREERS IN **ECOSYSTEM SCIENCE AND POLICY**



Students who major or minor in ECS are uniquely poised to pursue careers and/or graduate education at the intersection of science and policy.

The growing number of «green» career opportunities allow ECS graduates focus on the overall well-being of people, the planet, and our combined prosperity, as well as assuming the responsibility of sustainability leaders.

Career pathways for ECS students:

- >> Sustainability Analyst/Officer
- >> Environmental Policy Analyst
- >> Ecotourism Manager
- >> Director of Sustainability & Resilience
- >> Energy Efficiency Coordinator
- >> Environmental Public Relations Specialist

ECS students pursue graduate study in:

- >> law/public policy
- >> architecture
- >> engineering
- >> conservation science
- >> international administration
- >> public relations/media



UNIVERSITY
OF MIAMI



UNIVERSITY OF MIAMI
COLLEGE of
ARTS & SCIENCES



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ECOSYSTEM
SCIENCE AND POLICY

Environmental leadership for today. *Environmental protection for tomorrow.*

The University of Miami's College of Arts & Sciences offer an undergraduate program in Ecosystem Science and Policy (ECS) through a partnership with the Leonard and Jayne Abess Center for Ecosystem Science and Policy. The goal of the ECS program is to educate the next generation of environmental leaders by providing students with a broad background in environmental issues from a variety of perspectives, along with in-depth education in an area of specialization.

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from a variety of perspectives, along with in-depth education in an area of specialization. The ECS major offers a series of problem-based learning courses, culminating in a capstone course in the senior year. Courses emphasize integration of science and policy approaches to real-world environmental issues. This preparation gives students both the theoretical background and technical skills to pursue environmental careers in, teaching and research, as well as for careers in government and private industries concerned with the environment.



ECOSYSTEM SCIENCE AND POLICY Curriculum

The ECS program offers two degree options:

- **Bachelor of Arts (B.A.):** for those who look to pursue careers in law, government, business, and private industries concerned with the environment.
- **Bachelor of Science (B.S.):** for those intending to attend graduate or professional schools in pursuit of research, technical, or academic careers.

A **minor** in Ecosystem Science and Policy is also available.

Selected Courses

- ECS 111 Intro to the Earth's Ecosystem
- ECS 113 Intro to Environmental Policy
- ECS 204 Environmental Statistics
- ECS 215 Private Urban and Suburban Green Spaces
- ECS 309 Microbes and the Environment
- ECS 310 Sustainable Living
- ECS 323 Population, Sustainability, and the Media
- ECS 325 Hazards and Disasters: The Nature-Society Interface
- ECS 357 Global Food: A Hands-on Approach

SUSTAINABILITY CERTIFICATE

The College of Arts & Sciences also offers a **Certificate in Sustainability** through the Department of Geography and Sustainable Development.

Developed in conjunction with the Energy and Conservation Organization, the Sustainability Certificate requires **18 credits** is intended to equip students with knowledge and skills for implementing positive change through environmentally responsible practices in various fields and careers, including engineering, architecture, business, marketing, government, and to affirm UM's commitment to sustainability and environmental education.

ECS FAST FACTS

B.A. OR B.S.

 **30 CREDITS**



\$42,000 TO \$79,000
SALARY RANGE FOR
SUSTAINABILITY SPECIALISTS
WITH A BACHELOR'S DEGREE

+10%

increase
since
2021



in sustainability jobs
in the United States