



ENVIRONMENTAL SCIENCE

Program Objectives

The program location in the greater Portland, Maine area and Northern New England region facilitates student opportunities to participate with urban and rural communities, addressing a broad range of environmental problems and issues.

As a DES student, you will:

- Receive a rigorous science and policy education foundation comprised of courses, laboratory training, and fieldwork.
- Learn to analyze environmental data and problems in the field and work with diverse community, government, and industry interests.
- Apply knowledge and skills to community environmental projects.
- Work with environmental professionals through our internship program.
- Develop a portfolio that can be shown to prospective employers and graduate schools.

Degrees & Concentrations Offered

Graduation Planner: usm.maine.edu/advising/degreeplanning

Degree Offered: Bachelors of Science

Major Offered: Environmental Science

Minor Offered: Environmental Science

Certificates Offered: Applied Energy, Environmental Education, Environmental Policy Analysis

Department of Environmental Science

Gorham Campus, 106 Bailey Hall
(207) 780-5390

Web Address: usm.maine.edu/environmental-science

Career Possibilities*

Air Pollution Analyst
Aquatic Environmental Scientist
City Planner
Conservation Systems Analyst
Ecologist
Energy Efficiency Consultant
Environmental Journalist
Environmental Lobbyist
Forester
Geologist
Geophysicist
Hazardous Waste Specialist
Horticulturist
Laboratory Analysis Specialist
Landfill Engineer
Marine Mammal Trainer
Mineralogist
Nature Preserve Manager

* Additional education, training or experience may be required.

Acquired Transferable Skills

Attention to Details
Complex Problem Solving
Computer Literacy
Critical Thinking
Data Analysis
Judgment & Decision Making
Organize and Report Data
Reading Comprehension
Technical Writing
Use of Laboratory Equipment

For more information on transferable skills go to:
usm.maine.edu/community-engagement-career-development/career-tools

What can I do with this major?*

AREA	EMPLOYERS	INFORMATION/STRATEGIES
Fishery and Wildlife Management	Federal, state, and local govt. Marine Sport Fisheries Developers Timber Companies Wildlife Ranges Consulting Firms	<ul style="list-style-type: none"> • Develop a broad scientific education. • Obtain skills in areas such as planning, administration, communications, and negotiation through coursework, internships, or part-time jobs. • Get experience and skills in computers, statistics and computer modeling.
Parks and Wildlife Management	National Park Services Federal Agencies State, country, or city parks Resorts Nonprofit Organizations	<ul style="list-style-type: none"> • Develop a broad-based education that will develop both technical and interpersonal skills. • Gain expertise in additional areas such as communications, writing, fund-raising, negotiation, and computer applications.
Environmental Education and Communication	Federal, state, and local government Elementary/Middle/High Schools Colleges Corporations & Consulting firms Media Nonprofit organizations Political Action Committees	<ul style="list-style-type: none"> • Master public speaking skills. • Learn certification/licensure requirements for teaching public K-12 schools. • Develop creative hands-on strategies for teaching/learning. • Publish articles in newsletters or newspapers. • Learn environmental laws and regulations. • Join professional associations.

*To learn about these areas and much more visit: whatcanidowiththismajor.com/major • © 2011 What Can I Do With This Major

Enrichment Opportunities

Internships

For more information contact the Department Environmental Science.
usm.maine.edu/cecd

Study Abroad

For more information contact the USM Office of International Programs.
usm.maine.edu/international/study-abroad

Clubs & Organizations

[Environmental Science Student Group](#)
For a complete list of student organizations:
webapp.usm.maine.edu/pathways/list

USM Corporate Partners

The USM Corporate Partners are over 350 business people, from nearly 100 companies. usm.maine.edu/corporatepartners

Helpful Career Links

USMCareerConnections:

USM's career network for job and internship searches. usm.maine.edu/community-engagement-career-development/usmcareerconnections

O*NET OnLine:

Learn more about a career opportunity by researching it with O*NET. onetonline.org

Occupational Outlook Handbook:

Learn more about a career opportunity by researching it with OOH. bls.gov/ooH

PROFESSIONAL ASSOCIATIONS To name a few...

[Ecological Society of America](#)

[Environmental Protection Agency](#)

[National Council for Science and the Environment](#)

[National Environmental Health Association](#)

[Local Government Environmental Assistance Network](#)

[Sierra Club](#)

[Society for Conservation Biology](#)



PORTLAND • GORHAM • LEWISTON • ONLINE

Office of Community Engagement and Career Development • usm.maine.edu/cecd

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