



ENVIRONMENTAL SCIENCES Bachelor of Science

A natural science-based program for students driven to help solve the environmental issues of our time.

The Environmental Sciences major is an interdisciplinary degree that blends a strong science foundation with experiential learning opportunities. Students gain the knowledge and professional skills needed to address climate change, improve water quality, advance sustainable design, and facilitate species conservation.

In the amazing outdoor laboratory of Vermont, students are taught to analyze human and ecological systems and how they interact in air, on land, and in water.

After two years of exploratory study, students choose a concentration to deepen their expertise. Focus areas include:

AGRICULTURE &
ENVIRONMENT

CONSERVATION BIOLOGY &
BIODIVERSITY

ECOLOGICAL DESIGN

ENVIRONMENTAL ANALYSIS &
ASSESSMENT

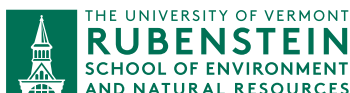
ENVIRONMENTAL BIOLOGY

ENVIRONMENTAL GEOLOGY

ENVIRONMENTAL HEALTH

CLIMATE CHANGE

WATER RESOURCES



The Rubenstein School is a learning community pursuing the mission question:
How can the Rubenstein School unleash empathy, passion, innovation, and creativity to heal and radically change human-environment systems in a just, equitable, and ecological direction?

rsenr@uvm.edu | uvm.edu/rsenr

Wide ranging career opportunities

With an emphasis on cutting-edge geospatial technologies, quantitative analysis, and assessment techniques, Environmental Sciences students are highly desirable in rapidly growing career fields.

Positions that graduates are prepared for include: environmental scientist, environmental chemist, research scientist, hydrologic scientist, energy consultant, conservation biologist, natural resource specialist, educator, outreach specialist, GIS specialist, project manager, lead planner, sustainability coordinator, watershed program supervisor.



Nisha Nadkarni, focused her studies on water resources and expanded her learning outside of the classroom by interning in a faculty research lab.

"IT'S REALLY AWESOME THAT WE HAVE THESE RESEARCH OPPORTUNITIES DIRECTLY WITHIN RUBENSTEIN. I GOT THE CHANCE TO WORK AT THE RUBENSTEIN ECOSYSTEM SCIENCE LABORATORY ON THE WATERFRONT. THAT WAS MY FIRST FORAY INTO FIELD WORK AND WORKING ON A RESEARCH VESSEL. THAT EXPERIENCE EXPOSED ME TO THE INNER WORKINGS OF RESEARCH AND EXPERIMENTAL DESIGN."

- NISHA NADKARNI, Class of 2020

Sample Courses

- Ecology
- Ecosystem Management
- Environmental Science
- Environmental Problem Solving
- Biology
- Chemistry
- Calculus
- Environmental Statistics
- Environmental Assessment & Analysis
- Geology
- Soil Science
- Stream Ecology
- Global Environmental Assessment
- Pollutant Movement in Air, Land & Water
- Ecosystem Restoration
- University Writing
- Public Speaking
- Conservation Biology
- Ecological Design
- Remote Sensing
- Sustainability Science
- Quantitative Analysis

Sample Employers

- US Army Corps of Engineers
- US Environmental Protection Agency
- US Forest Service
- Bear Creek Environmental
- Minnesota Department of Natural Resources
- Maryland Attorney General's Office
- City of Oakland
- Washington State Department of Transportation
- Environmental Consulting Firms
- Energy Consulting Firms
- Environmental Engineering Firms
- Solar Energy Companies
- Environmental Nonprofit Organizations
- Municipal Agencies
- State Agencies
- Tribal Organizations