B.S. in Environmental Science and Climate Change

The world needs solutions! You can provide them. Create change in an environmental science career like green consulting, inspecting, engineering, and urban/regional planning. Earn your online environmental science and climate change degree to begin.

Cost: $470 per credit
Military Discount: $423

Program Features

+ One-on-one academic and professional advising as our world-class faculty and trained staff strive to make your professional and academic goals a reality.

+ Unity College is an accredited institution by New England Commission of Higher Education (NECHE).

+ Experiential Online. Experiential programs are delivered 100% online with field work designed with the working professional in mind.

+ Study when and where you want and finish your degree while still working full-time.

+ Make professional connections with leaders in your field.

+ Get job placement assistance through our career services department.

+ Transfer friendly! We will accept up to 90 credits.
B.S. in Environmental Science and Climate Change

The B.S. in Environmental Science and Climate Change degree enables students to work effectively as environmental inspectors, consultants, engineers, or urban/regional planners. Learning through the lens of climate change adaptation and mitigation, this program also prepares students with a sound understanding of modern environmental issues and the professional skills needed for effective functioning in modern natural resource organizations.

Job Outcomes, Growth*, & Salary**

Environmental Technician
Median Salary: $46k
Growth: +8
Environmental Technicians perform laboratory and field tests in order to monitor the environment and investigate sources of pollution and other hazards under the supervision of an environmental specialist. They collect samples of gases, soil, water, and other materials for testing to collect data.

Climate Resilience Scientist
Median Salary: $71k
Growth: +8
Climate Resilience Scientist are responsible for researching current and potential hazards to the environment that affect climate change. They perform studies and collect data to be analyzed in order to create effective solutions.

Environmental Program Analyst
Median Salary: $71k
Growth: +8
Environmental Program Analyst research and analyze policy developments related to protecting the environment. They are responsible for making recommendations for actions such as legislation, awareness campaigns, or fundraising approaches.

*Projected 10-year growth  **National median salary  Source: O*Net
B.S. in Environmental Science & Climate Change

Checksheet

Graduates of the B.S. in Environmental Science & Climate Change will be able to:

+ Assess the political, legal, economic, and social dynamics associated with environmental issues and the management of environmental issues.
+ Draw on cross-disciplinary knowledge in the biological, physical, and social sciences to propose, evaluate, and explain management solutions to environmental problems.
+ Explain pressing environmental issues through the lens of climate change.
+ Choose and implement appropriate laboratory techniques for environmental analysis.
+ Evaluate information using scientific and quantitative reasoning skills.

Program Core

- BIOL 201 Organisms that Sustain the Earth: Understanding Plants
- BIOL 203 Ecological Principles: Applications to Conservation and Wildlife
- CHEM 101 Chemistry I
- CHEM 102 Chemistry I Laboratory
- COMM 303 Communicating to Stakeholders
- EN CJ 305 Natural Resource Law and Policy
- ESCI 101 Geology and Our Environment
- ESCI 301 Soil Analysis
- ESCI 303 Hydrology, Wetlands, and Water Policy
- ESCI 305 Environmental Remediation and Toxicology
- ESCI 401 Environmental Science Field Techniques
- MATH 401 Statistics for Wildlife Professionals

Environmental Professional Core

- EVPC 101 Professional Skills
- EVPC 301 Environmental Justice OR EVPC 305 Building a Better World: Ethical Decision-Making
- EVPC 401 Transformational Leadership
- EVPC 490 Transdisciplinary Capstone

General Education Core

- BIOL 103 Biology: Foundations of Life
- BIOL 104 Biology: Foundations of Life Laboratory
- BIOL 105 Biological Diversity, Ecology, and Evolution
- BIOL 106 Biological Diversity, Ecology, and Evolution Laboratory
- ENVS 201 The Warming Planet: Understanding Climate Change
- MATH 201 Statistics for Environmental Professionals
- An Arts course
- 2 Communications courses
  - Check here if only one COMM course complete
  - A Humanities course
  - A Language course
  - A Social Sciences course

General Electives

- 39 credits of general electives

College Wide Requirements

A minimum of 120 earned credit hours, 30 credits at the 300 level or above, a minimum of 30 credits earned at Unity, and an overall cumulative GPA of 2.0 or above
Graduates of the B.S. in Environmental Science & Climate Change will be able to:

+ **Assess** the political, legal, economic, and social dynamics associated with environmental issues and the management of environmental issues.

+ **Draw** on cross-disciplinary knowledge in the biological, physical, and social sciences to propose, evaluate, and explain management solutions to environmental problems.

+ **Explain** pressing environmental issues through the lens of climate change.

+ **Choose and implement** appropriate laboratory techniques for environmental analysis.

+ **Evaluate** information using scientific and quantitative reasoning skills.

### Program Core

- **BIOL 201** Organisms that Sustain the Earth: Understanding Plants
- **BIOL 203** Ecological Principles: Applications to Conservation and Wildlife
- **CHEM 101** Chemistry I
- **CHEM 102** Chemistry I Laboratory
- **COMM 303** Communicating to Stakeholders
- **ENCJ 305** Natural Resource Law and Policy
- **ESCI 101** Geology and Our Environment
- **ESCI 301** Soil Analysis
- **ESCI 303** Hydrology, Wetlands, and Water Policy
- **ESCI 305** Environmental Remediation and Toxicology
- **ESCI 401** Environmental Science Field Techniques
- **MATH 401** Statistics for Wildlife Professionals

### Environmental Professional Core

**Required:**

- **EVPC 101** Professional Skills
- **EVPC 401** Transformational Leadership
- **EVPC 490** Transdisciplinary Capstone

**Choose From:**

- **EVPC 201** Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation OR **EVPC 202** Environmental Issues: Energy, Water Scarcity, and Waste
- **EVPC 301** Environmental Justice OR **EVPC 305** Building a Better World: Ethical Decision-Making

### General Education Core

- **BIOL 103** Biology: Foundations of Life
- **BIOL 104** Biology: Foundations of Life Laboratory
- **BIOL 105** Biological Diversity, Ecology, and Evolution
- **BIOL 106** Biological Diversity, Ecology, and Evolution Laboratory
- **MATH 201** Statistics for Environmental Professionals

### College Wide Requirements

A minimum of 120 earned credit hours, a minimum of 30 credits earned at Unity, and an overall cumulative GPA of 2.0 or above
Undergraduate Concentrations

**Environmental Justice & Social Change**
Protect our environment through policies and social change.

**Wildlife Ecology**
Understand how to manage different types of wildlife.

**Marine Biology & Sustainable Aquaculture**
Explore all aspects of oceanography, from vegetation to mammals.

**Renewable Energy**
Explore green technologies, such as wind, solar, geothermal and biomass power.

**Sustainable Business**
Develop sustainable business solutions and strategies for a modern world.

**Emergency Disaster Management**
Learn how to proceed in the face of disasters to protect our environment.

**Sustainable Food & Farming**
Learn the systems that create a sustainable food culture.

**Hemp Industry & Science**
Explore the potential of the hemp industry and its products.

**Animal Health & Behavior**
Explore fundamental aspects of animal training and care.

**Sustainable Food & Farming**
Learn the systems that create a sustainable food culture.

**Adventure Ecotourism**
Bring adventure to clients while respecting the environment.

**Environmental GIS**
Develop in-demand Geographic Information Systems (GIS) mapping skills.

**Renewable Energy**
Explore green technologies, such as wind, solar, geothermal and biomass power.

**Hemp Industry & Science**
Explore the potential of the hemp industry and its products.