Environmental Science and Climate Change
Bachelor’s Degree (2020-2021)

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.

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

1. Assess the political, legal, economic, and social dynamics associated with environment issues and the management of environmental issues.
2. Demonstrate a rigorous cross-disciplinary science base (biological, physical, and social sciences) with a deep knowledge to analyze and interpret data.
3. Explain pressing environmental issues through the lens of climate change and apply scientific and management solutions.
4. Exhibit ability to choose and implement appropriate laboratory techniques used in environmental analysis.
5. Demonstrate proficiency in written, oral, and interpersonal communication.

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 403 Statistics for Science Professionals

Environmental Professional Core
EVPC 101 Professional Skills
EVPC 201 Environmental Issues: Deforestation, Biodiversity Loss, and Overpopulation OR
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 Communication courses
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