

COLLEGE OF HEALTH AND NATURAL SCIENCE

Climate Action Certificate

Steering Committee: [Verna DeLauer](#) (Environmental Science & Policy), [Catherine O. Koning](#) (Environmental Science & Policy), [Rhine Singleton](#) (Environmental Science & Policy)

Affiliated Faculty: [Paul Bush](#) (Communication), [Douglas Challenger](#) (Sociology), [Doug Carty](#) (Campus Recreation), [Jed Donelan](#) (Philosophy), [Frank Cohen](#) (Political Science), [Melinda Jetté](#) (History), [Jason Little](#) (Marketing), [Fred S. Rogers](#) (Geology), [Susan Silverman](#) (Fine Arts), and [Phyllis Zrzavy](#) (Communication)

A Certificate in Climate Action is offered to traditional students.

Human-caused climate change threatens human civilization and all life on earth. The Climate Action Certificate Program provides you with the specialized knowledge and skills needed to address this existential crisis. Work with the Franklin Pierce Institute for Climate Action on projects designed to reduce greenhouse gas production and increase climate resiliency. The knowledge areas of this Certificate encompass the science of the atmosphere, greenhouse gas pollution, and impacts on human health and the environment, as well as the social, economic and humanitarian dimensions that underlay both the problem and its many solutions. Improve your skills in problem-solving, communication, data analysis, information management and digital literacy as you implement solutions to the climate crisis. Students will work together on a problem-solving group project in the capstone course.

Required Courses

Foundational Knowledge Course

One of the following:

GL120 Global Change: The Atmosphere OR

ES104 Introduction to Natural Resource Conservation

Other Required courses:

ES108 Nature and Culture OR

ES265 Environmental Law

ES240 Sustainable Communities OR

ES245 Alternate Energy

ES305 Health, Human Rights and Environmental Justice

Capstone Experience: ES302 Sustainability Project, focused on climate

(pre-requisites: GL120 or ES104, and ES240 or ES245)

Green Earth Courses: three of any of the following:

AN220 Global Problems

BI214 Coastal Ecology

BI217 Tropical Forest Ecology (laboratory)

BI430 Forest Ecology (laboratory)

CH221 Environmental Chemistry (laboratory)

CIT222 Introduction to Geographic Information Systems: ArcView

COMM110 Journalism I

COMM210 Journalism II

COMM316 Feature Writing

ED314 Scientific Inquiry and Teaching Methods

ES103 Introduction to Ecosystem and Wildlife Conservation

ES104 Introduction to Natural Resource Conservation

ES106 Environment and Society

ES210 Evolution of Environmental Thought

ES245 Alternate Energy

ES301 Place, Community, and Regional Studies

ES307 Natural Resources Law and Policy

ES320 Wetland Ecology and Protection (laboratory)

ES342 Wildlife Conservation and Management

FA235 Printmaking I

FA322-323-324 Ceramics II, III, IV
GL115 Global Change: The Oceans
GL120 Global Change: The Atmosphere
GL205 Environmental Geology (laboratory)
HS214 Introduction to Public History
HS240 American Environmental History ems
MK201 Principles of Marketing
MK214 Consumer Behavior
MK304 Advertising
MK333 Marketing Research
MK335 Public Relations
MK350 E-commerce
MK474 Marketing Management for a Green Economy
PA306 Philosophy of Science and Nature
PS261 Research Methods in Psychology (laboratory)
PS322 Social Psychology
SO101 Introduction to Sociology
SO203 Grassroots Activism for Social Change
SO450 Seminar in Sociological Perspectives
SR115 Foundations of Adventure Sports and Recreation
SR346 Park and Natural Resource Management

Program Courses

| Course Code | Course Name |
|-------------|---------------------------|
| ES104 | Int Natural Resource Lab |
| ES108 | Nature and Culture |
| ES240 | Creating Sustainable Comm |
| ES245 | Alternate Energy |
| ES302 | Sustainability Project |
| ES307 | Natural Resources Law Pol |
| ES340 | Sustainable Communities |
| GL120 | Global Change:Weather Lab |