

# 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)

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**A Certificate in Climate Action is offered to traditional students.**

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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