

## Environmental Studies Certificate Program Courses

Department & Courses	CROSSLISTING	Note
<b>AFRICAN AMERICAN STUDIES PROGRAM</b>		
AFAM213 Environmental Justice and Sustainability	E&ES170	Core Area 1
<b>Anthropology</b>		
ANTH232 Alter(ed)native Approaches: Middletown Lives		
ANTH250 Foragers to Farmers: Hunting and Gathering and the Development of Agriculture		
ANTH349 The Human Skeleton		
<b>ART HISTORY</b>		
ARHA258 Contemporary World Architecture		
ARHA292 Historical Archaeology of South India	ARCP292	
<b>BIOLOGY</b>		
BIOL214 Evolution		
BIOL216 Ecology		Core Area 3
BIOL219 Comparative Animal Physiology		
BIOL220 Conservation Biology		Core Area 3
BIOL222 Issues in the Health Sciences		
BIOL223 Integration of Clinical Experience and Life Science Learning		
BIOL226 Invasive Species: Biology, Policy and Management		
BIOL254 Comparative Animal Behavior	NS&B254	
BIOL268 Contemporary Environmental Issues	E&ES268	
BIOL290 Plant Form and Diversity		
BIOL306 Tropical Ecology and the Environment	E&ES306	
BIOL312 Conservation of Aquatic Ecosystems	E&ES312	
BIOL316 Plant-Animal Interactions		
BIOL318 Nature and Nurture: The Interplay of Genes and Environment		
BIOL320 Quantitative Methods for the Biological and Environmental Sciences	E&ES320, E&ES520	
BIOL327 Evolutionary and Ecological Bioinformatics	COMP327	
BIOL336 Landscape Ecology	E&ES336	
BIOL346 The Forest Ecosystem	E&ES346	
BIOL349 Evolution		
BIOL350 Bioinformatics and Functional Genomics	COMP350, MB&B350	
BIOL369 Pattern and Process in Macroevolution		
<b>CHEMISTRY</b>		
CHEM202 Pattern Formation in Nature		
CHEM314 Environmental Chemistry		
CHEM354 "Green" Chemistry		
CHEM358 Structure and Reactivity in Organic Chemistry		
CHEM387 Enzyme Mechanisms	MB&B387	
CHEM557 Seminar in Organic and Inorganic Chemistry		
CHEM587 Seminar in Biological Chemistry	MB&B587	

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<b>Classical Civilization</b>		
CCIV225 Medicine and Health in Antiquity		
<b>Earth &amp; Environmental Sciences</b>		
E&ES197 Introduction to Environmental Studies	BIOL197	Intro
E&ES199 Introduction to Environmental Sciences		Intro
E&ES220 Geomorphology		
E&ES223 Structural Geology		
E&ES230 Sedimentology and Stratigraphy		
E&ES233 Geobiology	BIOL233	Core Area 3
E&ES259 Climate Change and Atmospheric Chemistry: Role of CO2 in Climate		
E&ES280 Environmental Geochemistry		Core Area 3
E&ES290 Oceans and Climate		Core Area 3
E&ES301 Sedimentology		
E&ES302 Astrobiology		
E&ES305 Soils		
E&ES317 Hydrology		
E&ES322 Introduction to GIS		
E&ES323 Isotope Geochemistry: Tracers of Environmental Processes		
E&ES325 Environmental Law & Policy		
E&ES326 Remote Sensing	E&ES226	
E&ES350 Coastal and Estuarine Environments		
E&ES359 Global Climate Change		
<b>ECONOMICS</b>		
<b>ECON148 The Economics of Climate Change</b>		
ECON210 Economics of the Environment		Core Area 2
ECON268 Vulnerability, Development and Social Protection in Latin America	LAST267	
ECON310 Environmental and Resource Economics		
ECON368 Globalization		
<b>ENGLISH</b>		
ENGL112 The Environmental Imagination: Green Writing and Ecocriticism		
ENGL277 American Pastoral	AMST219	
<b>GOVERNMENT</b>		
GOVT206 Public Policy		Core Area 2
GOVT221 Environmental Policy		Core Area 2
GOVT222 Regulation and Governance		Core Area 2
GOVT304 Environmental Politics and Democratization	EAST304	
GOVT329 International Political Economy		
GOVT333 International Organization		
GOVT368 Environmental Policy and Politics	EAST382	
GOVT382 Comparative Civil Society		

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<b>HISTORY</b>	SISP 221	
HIST221 History of Ecology	MDST253, SISP253	
HIST253 History of Scientific Thought to 1700	SISP256	
HIST256 The Environmental Sciences	SISP292	
HIST292 Dinosaurs to DNA: Survey of Science in Western Life Since 1700	SISP331, WMST331	
HIST331 Life Science, Art & Culture		
<b>MOLECULAR BIOLOGY &amp; BIOCHEMISTRY</b>		
MB&B103 The Green Gene Revolution or GMOs in the Garden		
MB&B109 Light and Life: Vision, Photosynthesis, DNA and Melanoma		
MB&B296 Superbugs, Supercells, and Much More		
MB&B331 The Genomics of Evolution, Adaptation, and Regulation	CHEM381	
MB&B381 Physical Chemistry for Life Scientists		
MB&B396 Molecular Biology of Plant Development		
<b>PHILOSOPHY</b>		
PHIL212 Introduction to Ethics		Core Area 1
PHIL215 Humans, Animals, and Nature	CHUM373, PHIL573	Core Area 1
PHIL311 Spinoza's Ethics		
PHIL373SP Ethics in Practice		
<b>SCIENCE IN SOCIETY PROGRAM</b>	PHIL287	
SISP202 Philosophy of Science	PHIL288	
SISP205 Sciences as Social and Cultural Practices	FGSS200	Core Area 1
SISP207 Social and Cultural Practices of Science	PHIL361	Core Area 1
SISP 263 Regulating Health	SOC 261	
SISP361 Unifying Life Sciences: Biological Cultures and Meanings of Life		
<b>SOCIOLOGY</b>	SISP247	
SOC247 Environmental Sociology		
SOC248 Gentrification & Urban Development		
SOC271 Housing and Public Policy		