

HOW TO USE THE ES MAJOR TO CREATE YOUR OWN ENVIRONMENTAL EMPHASIS



2011

Because of the interdisciplinary design of the Environmental Studies majors (B.A. and B.S.) students are afforded the opportunity to select/customize their upper-division elective and outside concentration courses to create a distinct environmental concentration or emphasis. A student may choose to take a wide selection of courses covering a breadth of disciplines or pursue a specific emphasis or track. This information sheet demonstrates how one may create a concentration by offering some example emphases that have traditionally been popular with ES students. Please Note: These examples are **SUGGESTIVE ONLY** and students are welcome to complete their major requirement with any combination of applicable courses/units they wish to take (see below for specific upper-division requirements for the B.A. and B.S. majors).

REMEMBER: these emphases are only a few examples of the many combinations of upper-division UCSB courses a student may come up with to create an emphasis within the ES major. As this information sheet was **last updated in August 2011** students are encouraged to browse online the latest version of the UCSB General Catalog to search for newly added courses that may be suitable for one's emphasis.

If you have any questions or need assistance with selecting courses for your emphasis please consult an ES Academic or Student Peer Advisor for assistance (Bren Hall 4L, Rm. 4312 or 4313).

Review of ES Degree's Upper-division Requirements:

B.A. Area B – Upper-division ES Electives - **28 units required** (any ES courses numbered 101 to 199)

Area C - Outside Concentration - **20 units required**, fulfilled by any of the following options:

1. Any 20 units from one department or program within the College of L&S
2. Completion of a double major or official minor (need 20 units)
3. Combination of any 20 units outside of ES to create a unique interdisciplinary emphasis. A petition must be submitted and approved by the ES Program (see the ES Advisors for form). This may also include upper-division transfer work such as environmental field studies or study abroad units.

B.S. Area B – Upper-division ES Electives - **32 units required** separated into two categories:

B-1 – At least 20 units from this list - 105, 111, 113, 114A, 114B, 119, 120, 128, 134, 144, 147, 149, 152, 158, 162, 166BT, 166FP, 167, 168, 169, 171, 197

B-2 – 12 units of any ES course numbered 101-199, that are not already being used to satisfy the 20 units for the B-1 list

Area C - Outside Concentration - **16 units required**, all courses must be taken from any of the following departments: Chemistry, EEMB and/or MCDB, Biopsychology, Geography (only courses that apply towards the B.S. Physical Geography major), Earth Sciences, Math, Probability and Statistics, or Physics. Options for fulfilling this requirement are:

1. Any 16 units, or a double major or minor, from one of the departments listed above
2. Combination of 16 units from any of the above departments may be used to create an interdisciplinary emphasis. A petition must be approved by the ES Program and may include upper-division transfer work such as environmental field studies or study abroad units.

EXAMPLES OF POSSIBLE INTERDISCIPLINARY ENVIRONMENTAL EMPHASES:

Created by combining ES electives (Area B) with multiple UCSB departments' courses (Area C). These examples are **SUGGESTIVE ONLY** and students are welcome create their own interdisciplinary emphasis. A *Request to Petition Degree Requirements* is necessary to apply any emphasis with courses from multiple departments towards the Area C. Petition is available for download from the ES Program website: <http://es.ucsb.edu/academics>

Note: Students are responsible for knowing about and satisfying course prerequisites before enrolling in courses, especially those offered outside the ES Program (Area C). One can check course requirements via UCSB's online General Catalog or on GOLD.

Environmental Law and Politics (*BA degree*)

AREA B

Env S 116 – Building Sustainable Communities
 Env S 117 – Sci. and Policy Dimensions of Climate Change
 Env S 123 – Coastal Ocean Law and Policy
 Env S 124 – Environmental Dispute Resolution
 Env S 125A – Principles of Environmental Law
 Env S 125B – Land Use and Planning Law
 Env S 131 – International Env. Law and Diplomacy
 Env S 174 – Environmental Policy and Economics
 Env S 176A/B – Water Policy in the West/Adv. Water Policy
 Env S 178 – Politics of the Environment
 Env S 185 – Human Environmental Rights
 Env S 188 – Environmental Ethics
 Env S 193BE – Business and the Environment

AREA C

Economics 117A – Law and Economics
 Geography 135 – Mock Environmental Summit
 Geography 185A – Geography Planning and Policy Making
 Global Studies 123 – Introduction to International Political Economy
 Global Studies 161 – Global Environmental Policy and Politics
 Global Studies 170 – Law in Global Context
 Global Studies 171 – Global Environmental Politics
 History 172A/B – Politics and Public Policy in the U.S.
 Political Science 115 – Courts, Judges and Politics
 Political Science 153 – Political Interest Groups
 Political Science 162 – Urban Government and Politics
 Political Science 177 – Comparative Environmental Politics
 Sociology 134G - Green Movements and Green Parties
 Writing 107L/110L - Legal Writing / Advanced Legal Writing

Environmental Quality: Air, Water and Soil (*BS or possibly BA degree*)

AREA B

Env S 1080 – History of Oceans
 Env S 113 – Engineering and Environmental Geology
 Env S 114A/B – Soil Science/Soil Genesis and Classification
 Env S 118 – Industrial Ecology: Designing for the Env.
 Env S 120 – Toxics in the Environment
 Env S 123 – Coastal Ocean Law and Policy
 Env S 125A – Principles of Environmental Law
 Env S 134 – Coastal Processes and Management
 Env S 136 – Green Works: Exploring Technology & Sustain.
 Env S 144 – Form, Process, and Human Use of Rivers
 Env S 147 – Air Quality and the Environment
 Env S 149 – World Agriculture, Food, and Population
 Env S 162 – Environmental Water Quality
 Env S 165A/B – Environmental Impact Analysis
 Env S 166BT – Biotechnology, Food, and Agriculture
 Env S 166FP – Small Scale Food Production
 Env S 168 – Aqueous Transport of Pollutants
 Env S 169 – Tracer and Containment Hydrology
 Env S 171 – Ecosystem Processes
 Env S 174 – Environmental Policy and Economics
 Env S 176A/B – Water Policy in the West/Adv. Water Policy
 Env S 178 – Politics of the Environment
 Env S 179 – Natural Resource Economics
 Env S 193BE – Business and the Environment

AREA C

Anthropology 147 - Water and Society
 Chemistry 109ABC – Fundamentals of Organic Chemistry
 Chemistry 112ABC – Biophysical Chemistry
 Chemistry 113ABC – Physical Chemistry
 Chemistry 123 – Fundamentals of Environmental Chemistry
 Chemistry 150 – Analytical Chemistry
 EEMB 104 – The State of Our Planet
 EEMB 124 – Biochemical Ecology
 EEMB 142B/C – Chem/Env. Processes in Oceans and Lakes
 EEMB 148 – Ecology of Running Waters
 EEMB 152 – Applied Marine Ecology
 EEMB 167 – Applied Freshwater Ecology
 Geography 110 – Intro to Meteorology
 Geography 112 – Environmental Hydrology
 Geography 116 – Groundwater Hydrology
 Geography 119 – Climatic Change and Its Consequences
 Geography 133 – Tropical Meteorology
 Geography 134 – Earth System Science
 Geography 137 – Quantitative Geomorphology
 Geography 158 – Introduction to Marine Resources
 Geography 175 – Measuring our Environment
 Geography 176ABC – Intro to Geographic Information Systems
 Earth Sci. 114 – Geomaterials
 Earth Sci. 117 – Earth Surface Processes and Landforms
 Earth Sci. 124A – Aqueous Geochemistry
 Earth Sci. 124T – Introductory Thermodynamics
 Earth Sci. 130 – Global Warming - Science and Society
 Earth Sci. 150 – Petroleum Geology
 Earth Sci. 164A/B – Earth System Geology / Ocean-Atmosphere
 MCDB 110 – Principles of Biochemistry

Wildlife, Ecosystems, and Habitat Management (BS or possibly BA degree)

AREA B

AREA C

<p>Env S 108W – Wildlife in America Env S 111 – The California Channel Islands Env S 119 – Ecology and Management of CA Wildlands Env S 120 – Toxics in the Environment Env S 123 – Coastal Ocean Law and Policy Env S 125A – Principles of Environmental Law Env S 128 – Foundations of Ecosystem Restoration Env S 130B – Global Tourism and Env. Conservation Env S 134 – Coastal Processes and Management Env S 144 – Form, Process, and Human Use of Rivers Env S 146 – Animals in Human Society Env S 149 – World Agriculture, Food, and Population Env S 152 – Applied Marine Ecology Env S 158 – Cultural and Biological Diversity of Food Plants Env S 165A/B – Environmental Impact Analysis Env S 167 – Biogeography: Plant & Animal Distribution Env S 168 – Aqueous Transport of Pollutants Env S 171 – Ecosystem Processes Env S 176A/B – Water Policy in the West/Adv. Water Policy Env S 178 – Politics of the Environment Env S 179 – Natural Resource Economics Env S 191 – Biodiversity and Ecological Restoration: Education Practicum</p>	<p>Chemistry 109ABC – Fundamentals of Organic Chemistry Chemistry 123 – Fundamentals of Environmental Chemistry EEMB 104 – The State of Our Planet EEMB 106 – Biology of Fishes EEMB 107 – Biology of Amphibians and Reptiles EEMB 113/L – Evolution and Ecology of Terrestrial Vertebrates EEMB 120 – Introduction to Ecology EEMB 127/L – Plant Biology and Biodiversity EEMB 138 – Ethology and Behavioral Ecology EEMB 140 – General Plant Ecology EEMB 142A/AL – Aquatic Communities EEMB 142B/C – Environmental Processes in Oceans and Lakes EEMB 143/L – Ecological Physiology EEMB 144 – Marine Microbiology EEMB 148 – Ecology of Running Waters EEMB 149 – Mariculture for the 21st Century: Research Frontiers EEMB 159 – Tropical Ecology EEMB 166 – Field Approaches to Terrestrial Plant/Ecosystem Eco. EEMB 168 – Conservation Ecology EEMB 172 – Theoretical Population Ecology EEMB 179 – Modeling Environmental and Ecological Change Geography 168 – Field Studies in Biogeography Geography 175ABC – Intro to Geographic Information Systems</p>
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Developing Nations and International Environmental Studies (BA degree)

AREA B

AREA C

<p>Env S 104 – People, Poverty, and Env. in Central America Env S 112 – World Population, Policies, and the Environment Env S 116 – Building Sustainable Communities Env S 124 – Environmental Dispute Resolution Env S 125A – Environmental Law Env S 125B – Land Use and Planning Law Env S 130A – Coupled Human/Natural Systems: Risks, Vulnerability, Resilience, and Disasters Env S 130B – Global Tourism and Env. Conservation Env S 130C – Global Food Systems, Human Food Security Env S 131 – International Environmental Law and Diplomacy Env S 132 – Human Behavior and Global Environment Env S 149 – World Agriculture, Food and Population Env S 166FP – Small Scale Food Production Env S 184 – Gender and the Environment Env S 185 – Human Environmental Rights Env S 188 – The Ethics of Human – Environment Relations Env S 193BE – Business and the Environment</p>	<p>Anthropology 110 – Technology and Culture Anthropology 146 – Development Anthropology Economics 114 – Economic Development Geography 135 – Mock Environmental Summit Geography 141A/B/C – Population Geography/Development/Policy Global Studies 103 – Global Ideologies Global Studies 121 – Conceptions of World Order Global Studies 124 – Global Conflict Global Studies 130 – Global Economy and Development Global Studies 161 – Global Environmental Policy and Politics Global Studies 167 – Global Cities and Transnational Urbanism Philosophy 129 – Philosophy of International Relations Political Science 121 – International Politics Political Science 147 – Third World Politics Political Science 177 – Comparative Environmental Politics Sociology 130 – Development and its Alternatives Sociology 130GR – Globalization and Resistance Sociology 130ST – Special Topics in the 3rd World Studies</p>
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Urban, Regional and Environmental Planning (BA or possibly BS degree)

AREA B

AREA C

<p>Env S 112 – World Population, Policies, and the Env. Env S 116 – Building Sustainable Communities Env S 117 – Sci. and Policy Dimensions of Climate Change Env S 118 – Industrial Ecology: Designing for the Env. Env S 125A – Principles of Environmental Law Env S 125B – Land Use and Planning Law Env S 130A – Coupled Human/Natural Systems: Risks, Vulnerability, Resilience, and Disasters Env S 132 – Human Behavior and the Global Environment Env S 135A/B – Principles of Env. Planning/Adv. Planning Env S 149 – World Agriculture, Food, and Population Env S 157 – Santa Barbara County Agrifood System</p>	<p>Art Hist 136B – Twentieth-Century Architecture Art Hist 136I – The City in History Art Hist 136O – Sustainable Architecture: History and Aesthetics Art Hist 186Y – Seminar in Architecture and Environment Geography 101 – Transportation Futures Geography 108 – Urban Geography Geography 111A – Transportation Planning and Modeling Geography 111B – Transportation Modeling and Simulation Geography 115A/B/C – Introduction to Remote Sensing Series Geography 141A/B/C – Population Geography Geography 145 – Society and Hazards Geography 146 – Introduction to Transportation</p>
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<p>Env S 165A/B – Env. Impact Analysis/Adv. Impact Analysis Env S 172 – Integrated Materials and Waste Management Env S 174 – Environmental Policy and Economics Env S 176A/B – Water Policy in the West Env S 178 – Politics of the Environment</p>	<p>Geography 176A/B/C – Intro. To Geographic info. Systems Geography 182 – Global Cities in the Information Age Geography 185A – Geography Planning and Policy Making Geography 185B – Env. Issues and Local Decision Making Geography 185C – Local and Regional Economic Analysis Geography 185D – Urban and Environmental System Analysis History 178A – American Urban History Political Science 162 – Urban Government and Politics</p>
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Environmental Economics and Policy (BA degree)

AREA B	AREA C
<p>Env S 104 – People, Poverty, and Env. in Central America Env S 116 – Building Sustainable Communities Env S 117 – Sci. and Policy Dimensions of Climate Change Env S 118 – Industrial Ecology: Designing for the Eenvt. Env S 124 – Environmental Dispute Resolution Env S 125A – Environmental Law Env S 130B – Global Tourism and Env. Conservation Env S 130C – Global Food Systems & Human Food Security Env S 131 – International Environmental Law and Diplomacy Env S 132 – Human Behavior and the Global Environment Env S 136 – Green Works - Exploring Technology and the Search for Sustainability Env S 157 – Santa Barbara County Agrifood System Env S 165A/B – Environmental Impact Analysis Env S 166FP – Small-scale Food Production Env S 172 – Waste Management: Product Stewardship, etc. Env S 174 – Environmental Policy and Economics Env S 175 – Environmental Economics * Env S 176A/B – Water Policy in the West Env S 178 – Politics of the Environment Env S 179 – Natural Resource Economics * Env S 185 – Human Environmental Rights</p> <p>* These ES/Econ courses require the following prerequisites: Econ 1, 2, and 10A</p>	<p>Economics 100B – Intermediate Microeconomic Theory * Economics 101 – Intermediate Macroeconomic Theory * Economics 114 – Economic Development * Economics 127 – Climate Change * Economics 174 – Negotiations * Economics 176 – Experimental Economics * Economics 183 – Economics of Entrepreneurship * ENGR 111 – Opportunities in Technology, Business, and Society ENGR 120 – Business Strategy & Leadership Skills ENGR 122 – Entrepreneurship Geography 135 – Mock Environmental Summit Geography 185B/C – Env. Urban, Decision Making, & Planning Global Studies 123 – Intro. to International Political Economy Global Studies 130 – Global Economy and Development Global Studies 161 – Global Environmental Policy and Politics Global Studies 170 – Law in Global Context Global Studies 171 – Global Environmental Politics History 109 – Science and Technology in America History 167E – Studies in Work, Labor, and Political Economy History 172A/B – Politics and Public Policy in the United States Political Science 146 – Globalization and Politics Political Science 162 – Urban Government and Politics Political Science 170 – Public Policy Analysis Political Science 177 – Comparative Environmental Politics Political Science 185 – Government and the Economy</p>

Environmental Philosophy/Ethics (BA degree)

AREA B	AREA C
<p>Env S 104 – People, Poverty, and Env. in Central America Env S 106 – Critical Thinking: Human Environment Problems Env S 107C – The Darwinian Revolution and Modern Bio. Env S 107E – History of Animal Use in Science Env S 108W – Wildlife in America Env S 112 – World Population, Policies, and the Environment Env S 122LE – Cultural Representations: Literature & Env. Env S 122NE – Cultural Representations: Nature and the Env. Env S 129 – Ecopsychology Env S 130A – Coupled Human/Natural Systems: Risks, Vulnerability, Resilience, and Disasters Env S 132 – Human Behavior and the Global Environment Env S 146 – Animals in Human Society: Ethical Issues Env S 149 – World Agriculture, Food, and Population Env S 160 – American Environmental Literature Env S 173 – American Environmental History Env S 183 – Films of the Natural and Human Environment Env S 184 – Gender and the Environment Env S 185 – Human Environmental Rights Env S 188 – The Ethics of Human Environment Relations Env S 189 – Religion and Ecology in the Americas</p>	<p>Anthropology 107 – Psychological Anthropology Anthropology 109 – Human Universals Anthropology 110 – Technology and Culture Anthropology 111 – The Anthropology of Food Anthropology 139 – Indigenous Peoples Anthropology 143 – Introduction to Contemporary Social Theory Anthropology 160 – Cultural Ecology Global Studies 103 – Global Ideologies Global Studies 110 – Global Culture and Ethics Global Studies 111 – Human Rights and World Order History 108 – Science, Technology and Contemporary Culture Philosophy 100A – Ethics Philosophy 100B – Theory of Knowledge Philosophy 100F – Intro to the Philosophy of Science Philosophy 121 – Political Philosophy Philosophy 124A – Philosophy of Science Philosophy 126 – Social Philosophy Philosophy 130 – Freedom and Determinism Political Science 119 – Ethical Issues in International Relations Political Science 170 – Public Policy Analysis Political Science 177 – Comparative Environmental Politics Religious St. 156EE – Environmental Ethics Sociology 145 – Social Inequalities</p>

History of Human-Environmental Relations (BA degree)

AREA B

AREA C

Env S 104 – People, Poverty, and Env. in Central America
 Env S 107C – The Darwinian Revolution/Modern Biology
 Env S 107E – History of Animal Use in Science
 Env S 107R – History and Ecological Restoration
 Env S 108O – History of the Oceans
 Env S 108W – Wildlife in America
 Env S 110 – Disease and the Environment
 Env S 111 – The California Channel Islands
 Env S 112 – World Population, Policies, and the Environment
 Env S 122LE – Cultural Representations: Literature & Env.
 Env S 122NE – Cultural Representations: Nature and the Env.
 Env S 127 – Concepts of Environmental Education
 Env S 129 – Ecopsychology
 Env S 130A – Coupled Human/Natural Systems: Risks, Vulnerability, Resilience, and Disasters
 Env S 130B – Global Tourism and Env. Conservation
 Env S 130C – Global Food Systems, Human Food Security
 Env S 132 – Human Behavior and Global Environment
 Env S 146 – Animals in Human Society
 Env S 149 – World Agriculture, Food, and Population
 Env S 158 – Cultural and Biological Diversity of Food Plants
 Env S 160 – American Environmental Literature
 Env S 173 – American Environmental History
 Env S 178 – Politics of the Environment
 Env S 183 – Films of the Natural and Human Environment
 Env S 184 – Gender and the Environment
 Env S 185 – Human Environmental Rights
 Env S 188 – The Ethics of Human Environment Relations
 Env S 189 – Religion and Ecology in the Americas
 Env S 193BE – Business and the Environment

Anthropology 109 – Human Universals
 Anthropology 110 – Technology and Culture
 Anthropology 111 – The Anthropology of Food
 Anthropology 139 – Indigenous Peoples
 Anthropology 143 – Introduction to Contemporary Social Theory
 Anthropology 160 – Cultural Ecology
 Geography 135 – Mock Environmental Summit
 Geography 140 – Environmental Impacts in Human History
 Geography 141A/B – Population Geography/Development
 Geography 145 – Society and Hazards
 Geography 153A – Behavioral Geography
 Global Studies 161 – Global Environmental Policy and Politics
 History 103S – History of Surfing
 History 106A – Origins of Western Sci. – Antiquity to 1500
 History 106B – The Scientific Revolution, 1500 to 1800
 History 106C – History of Modern Science
 History 106D – U.S. Science Policy
 History 107B – History of Biological Sciences: Circa 1600 to 1800
 History 108 – Science, Technology and Contemporary Culture
 History 109 – Science and Technology in America
 History 110D – Diseases in History
 History 117E – Society and Nature in the Middle Ages
 History 178A – American Urban History
 History 179AB – Native American History
 Political Science 146 – Globalization and Politics
 Political Science 170 – Public Policy Analysis
 Political Science 177 – Comparative Environmental Politics
 Sociology 130 – Development and its Alternatives
 Sociology 130GR – Globalization and Resistance

Climate Change (BA or BS degree)

AREA B

AREA C

Env S 105 – Solar and Renewable Energy
 Env S 106 – Critical Thinking: Human-Env. Problems
 Env S 112 – World Population, Policies, and the Environment
 Env S 117 – Sci. and Policy Dimensions of Climate Change
 Env S 130A – Coupled Human/Natural Systems: Risks, Vulnerability, Resilience, and Disasters
 Env S 130C – Global Food Systems, Human Food Security
 Env S 132 – Human Behavior and Global Environment
 Env S 149 – World Agriculture, Food, and Population
 Env S 167 – Biogeography: Plant & Animal Distribution
 Env S 174 – Environmental Policy and Economics
 Env S 176 A/B – Water Policy in the West
 Env S 185 – Human Environmental Rights
 Env S 188 – The Ethics of Human – Environment Relations

Anthropology 166 – Climate Change in Prehistory
 Chemistry 123 – Fundamentals of Environmental Chemistry
 EEMB 104 – The State of Our Planet
 EEMB 179 – Modeling Environmental and Ecological Change
 EEMB 181 – Science in the Media
 Earth Sci. 105 – Earth's Climate: Past and Present
 Earth Sci. 117 – Earth Surface Processes and Landforms
 Earth Sci. 130 – Global Warming - Science and Society
 Earth Sci. 164A/B – Earth System Geology/Ocean-Atmosphere
 Earth Sci. 164C – Earth System History
 Earth Sci. 167 – Climates of the Past
 Geography 110 – Intro to Meteorology
 Geography 115A/B/C – Introduction to Remote Sensing Series
 Geography 119 – Climate Change and its Consequences
 Geography 133 – Tropical Meteorology
 Geography 134 – Earth System Science
 Geography 138 – Remote Sensing of the Atmosphere: An Intro.
 Geography 140 – Environmental Impacts in Human History
 Geography 145 – Society and Hazards
 Geography 158 – Intro to Marine Resources
 Geography 163 – Ocean Circulation
 Geography 165 – Waves and Tides in the Ocean
 Geography 175 – Measuring our Environment
 Geography 176ABC – Intro to Geographic Information Systems
 Geography 185B – Env. Issues and Local Decision Making
 Geography 185D – Urban and Environmental System Analysis
 History 106D – U.S. Science Policy

Food, Agriculture, and the Environment (BA or BS degree)

AREA B

AREA C

Env S 112 – World Population, Policies, and the Environment	Anthropology 111 – The Anthropology of Food
Env S 116 – Building Sustainable Communities	Anthropology 127 – Hunters and Gatherers
Env S 117 – Sci. and Policy Dimensions of Climate Change	Anthropology 141 – Agriculture and Society in Mexico: Past/Present
Env S 130A – Coupled Human/Natural Systems: Risks, Vulnerability, Resilience, and Disasters	Anthropology 147 – Water and Society
Env S 130B – Global Tourism and Env. Conservation	Anthropology 160 – Cultural Ecology
Env S 130C – Global Food Systems, Human Food Security	Anthropology 162 – Prehistoric Food Production
Env S 132 – Human Behavior and the Global Environment	Anthropology 168 – Ethnology in Rural CA, Agr/Farm/Labor/Rural
Env S 146 – Animals in Human Society	Economics 122 – Natural Resource Economics
Env S 149 – World Agriculture, Food, and Population	EEMB 127/127L – Plant Biology and Biodiversity/Lab
Env S 157 – Santa Barbara County Agrifood System	EEMB 140 – General Plant Ecology
Env S 158 – Cultural and Biological Diversity of Food Plants	EEMB 141 – Physiological Plant Ecology
Env S 162 – Environmental Water Quality	EEMB/Env S 171 – Ecosystem Processes
Env S 166BT – Biotechnology, Food, and Agriculture	Geography 110 – Introduction to Meteorology
Env S 166FP – Small Scale Food Production	Geog/Env S 114 A/B – Soil Science/ Soil Genesis and Classification
Env S 174 – Environmental Policy and Economics	Geography 140 – Environmental Impacts in Human History
Env S 176 A/B – Water Policy in the West	Geography/Env S 167 – Biogeography: Plant & Animal Distribution
	History 175Q – Food in American History

Human-Environmental Health (BS or possible BA degree)

AREA B

AREA C

Env S 107C – The Darwinian Revolution/Modern Biology	Chemistry 109A/B/C – Fundamentals in Organic Chemistry
Env S 110 – Disease and the Environment	Chemistry 123 – Fundamentals of Environmental Chemistry
Env S 110E – History of Animal Use in Science	Feminist St. 130 – Perspectives on Women’s Health
Env S 112 – World Population, Policies, and the Environment	History 106C – History of Modern Science
Env S 120 – Toxics in the Environment	History 110 – History of Public Health
Env S 129 – Ecopsychology	History 110D – Diseases in History
Env S 162 – Environmental Water Quality	MCDB 101A/B – Molecular Genetics
Env S 165A/B – Env. Impact Analysis/Adv. Impact Analysis	MCDB 103/L – Cell Biology
Env S 168 – Aqueous Transport of Pollutants	MCDB 110 – Principles of Biochemistry
Env S 169 – Tracer and Containment Hydrology	MCDB 111 – Human Physiology
Env S 185 – Human Environmental Rights	MCDB 182 – Intro to Health Care and Biomedical Technology
	Psychology 101 – Health Psychology
	Relg St. 114D – Religion and Healing in Native America
	Relg St. 156BE – Bio-Medical Ethics
	Relg St. 193B – Religion and Healing in a Global Perspective

NOTE: See the health professions advisor in the College of L&S for more information on possible Area C classes that will also apply towards “pre-health/med” preparation.

Energy and Sustainability (BA or BS degree)

AREA B

AREA C

Env S 105 – Solar and Renewable Energy	Chemistry 109ABC – Fundamentals of Organic Chemistry
Env S 116 – Building Sustainable Communities	Chemistry 113ABC – Physical Chemistry
Env S 117 – Sci. and Policy Dimensions of Climate Change	Chemistry 123 – Fundamentals of Environmental Chemistry
Env S 118 – Industrial Ecology: Designing for the Env.	Chemistry 150 – Analytical Chemistry
Env S 120 – Toxics in the Environment	Earth Sci. 124T – Introductory Thermodynamics
Env S 125A – Principles of Environmental Law	Earth Sci. 130 – Global Warming - Science and Society
Env S 130A – Coupled Human/Natural Systems: Risks, Vulnerability, Resilience, and Disasters	Earth Sci. 150 – Petroleum Geology
Env S 135A/B – Principles of Env. Planning/Adv. Planning	EEMB 104 – The State of Our Planet
Env S 136 – Green Works: Exploring Technology & Sustain.	EEMB 124 – Biochemical Ecology
Env S 147 – Air Quality and the Environment	ENGR 111 – Opportunities in Technology, Business, and Society
Env S 165A/B – Environmental Impact Analysis	ENGR 120 – Business Strategy & Leadership Skills
Env S 172 – Integrated Materials and Waste Management	ENGR 122 – Entrepreneurship
Env S 174 – Environmental Policy and Economics	Geography 101 – Transportation Futures
Env S 178 – Politics of the Environment	Geography 108 – Urban Geography
Env S 179 – Natural Resource Economics	Geography 111A/B – Transportation Planning/Modeling/Simulation
Env S 193BE – Business and the Environment	Geography 119 – Climatic Change and Its Consequences
	Geography 137 – Remote Sensing of the Atmosphere: An Intro.
	Geography 140 – Environmental Impacts in Human History
	Geography 145 – Society and Hazards
	Geography 175 – Measuring our Environment
	Mechanical Engineering 151A/B/C – Thermosciences 1, 2, 3

NOTE: Completion of as many lower-division physics (preferably PHYS 1, 2, 3, 4, 5 series) and calculus (MATH 3A, B,C and 5 series) courses is recommended if interested in fields of designing/engineering energy materials & products.

Other possible emphases may include: Environmental Education, Media/Communications, etc.