

HOW TO CREATE YOUR OWN ENVIRONMENTAL EMPHASIS ENVIRONMENTAL STUDIES PROGRAM, UCSB

Because of the interdisciplinary design of the B.A. and B.S. Environmental Studies major requirements students are afforded the opportunity to customize their upper-division electives (Area B) and outside concentration (Area C) to create a distinct environmental emphasis or concentration unique to their personal and professional goals and needs. Students may choose from a wide selection of courses from the ES Program as well as departments across campus. This information sheet demonstrates how one may create a personalized concentration by offering some example emphases popular with current ES students.

Although one may choose to follow one of the emphases included here, they are SUGGESTIVE ONLY! One may satisfy their major requirements with any combination of applicable courses/units as long as they form a coherent and comprehensive emphasis. Be sure to review the upper-division ES major requirements below before starting an emphasis. A *Request to Petition Degree Requirements* will be required to apply courses from multiple departments towards the Area C, and can be download here: www.es.ucsb.edu/degreerequirements

<u>Please Note</u>: Pursuing an environmental emphasis as part of your Area B & C requirements can help prepare students for a specialized field or profession. However, one's interdisciplinary emphasis will not be officially noted on their diploma or transcripts. One can highlight their emphasis on their resume and/or cover letter.

Please consult an ES Academic Advisor (Bren Hall 4L, Rm. 4312 or 4313) if you have any questions.

Review of ES Degree's Upper-division Requirements:

B.A. Area B – Upper-division ES Electives - 28 units required (any ES courses numbered 100 to 199)

Area C - Outside Concentration - 16 units required, fulfilled by any of the following options:

- 1. Any 16 units from one department or program within the College of L&S
- 2. Completion of a double major or official minor (16 units can't overlap with Area B)
- 3. Combination of any 20 UD units outside of ES to create a unique interdisciplinary emphasis. A petition must be approved by the ES Program and 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 of ES STEM courses – 101, 103A, 105, 111, 113, 114A, 114B, 119, 120A, 120B, 121, 128, 130C, 133, 134, 141, 142, 144, 147, 149, 152, 157, 158, 162, 163A, 166BT, 166DC, 166FP, 167, 168, 169, 171, 193CP, 193CS, 193EB, and 197 (*new courses added annually*).

B-2 – 12 units of any ES course numbered 101-199 not already being used to satisfy the 20 units of B-1.

Area C - Outside Concentration - 16 upper-division units required using one of these two options:
1. Single department: Any 16 upper-division units from one of the following departments: Chemistry & Biochemistry, EEMB and/or MCDB (Bio), Earth Sciences, Geography (only courses that apply to the B.S. Physical Geog. major), Math, Statistics, Physics, or units taken for the B.S. degree in Psychological & Brain Sciences. Completion of a double major or minor from the above depts will satisfy this area (Spatial Studies minors must consult an ES Advisor).

2. Interdisciplinary emphasis: Combination of 16 upper-division units from more than one department listed above may be used to create a concentration of study as long as they form a coherent focus or emphasis.

EXAMPLES OF INTERDISCIPLINARY ENVIRONMENTAL EMPHASES:

The following list highlights some examples of interdisciplinary environmental emphases.

REMEMBER: these are only a few examples of the many combinations of upper-division courses a student may use to create an emphasis. Students are encouraged to browse the latest version of the UCSB General Catalog to search for newly added courses that may be suitable for one's personal emphasis/concentration.

Students are responsible for knowing about individual **course prerequisites and restrictions** before enrollment. Departmental major only restrictions may limit options for Area C courses, so do your research! You can check course requirements via UCSB's online General Catalog or on GOLD.

* before the course **indicates a cross-listed course** with a second department. These can be applied to either *Area B or C, but not both simultaneously. All courses may apply to just one major requirement only.*

Human Environmental Health (DS of possible DA aegree)	
AREA B	AREA C
ENVS 112 – World Population, Policies, and the Environment	ANTH 104 – Risk and Inequality
ENVS 120A – Environmental Toxicology	ANTH 138 – Anthropology of Human Health
ENVS 120B – Advanced Environmental Toxicology	ANTH 171 – Evolutionary Medicine
ENVS 121 – Contaminants of Emerging Concern	CHEM 109A/B/C – Fundamentals in Organic Chemistry
ENVS 129 – Ecopsychology	CHEM 123 – Fundamentals of Environmental Chemistry
ENVS 142 – Microbes and the Human Environment	COMM 155 – Health Communication
ENVS 147– Air Quality	ECON 170 – Health Economics
* ENVS 162 – Environmental Water Quality	FEM 130 – Perspectives on Women's Health
ENVS 165A/B – Env. Impact Analysis/Adv. Impact Analysis	GEOG 152 – Health Geography
* ENVS 168 – Aqueous Transport of Pollutants	GLOBL 138 – Global Health
* ENVS 169 – Tracer and Containment Hydrology	HIST 110 – History of Public Health
* ENVS 171 – Ecosystem Processes	HIST 110D – Diseases in History
ENVS 185 – Human Environmental Rights	MCDB 101A/B – Molecular Genetics
	MCDB 103/L – Cell Biology
	MCDB 110 – Principles of Biochemistry
	MCDB 111 – Human Physiology
NOTE: See the health professions advisor at L&S for more	PSYCH 101 – Health PSYCH
information on possible Area C classes that will also apply	RGST 114D – Religion and Healing in Native America
towards "pre-health/med" preparation.	RGST 156BE – Bio-Medical Ethics
	RGST 193B – Religion and Healing in a Global Perspective
	SOC 176A – Sociology of Global Health

Human-Environmental Health (BS or possible BA degree)

Environmental Law and Politics (BA degree)

AREA B	AREA C
* ENVS 1080 – History of the Oceans	BLST 129 – The Urban Dilemma
ENVS 112 – World Population, Policies, and the Environment	BLST 131 – Race and Public Policy
ENVS 116 – Building Sustainable Communities	ECON 117A – Law and Economics
ENVS 117 – Sci. and Policy Dimensions of Climate Change	ECON 127 – Climate Change
ENVS 125A/B – Principles of Env Law/ Cal Planning Law	ECON 189 – Business Law and Ethics in Accounting
ENVS 131 – International Env. Law and Diplomacy	GEOG 135 – Mock Environmental Summit
ENVS 139 – Business and the Environment	GEOG 135S – Intense Mock Environmental Summit
ENVS 174 – Environmental Policy and Economics	GEOG 141C – California Population Analysis and Policy
* ENVS 175 – Environmental Economics (same as ECON 115)	GEOG 185A/B/C – Planning & Policy/ Decision Making/ Analysis
* ENVS 176 – Energy Politics and Policy	GLOBL 161 – Global Environmental Policy and Politics
ENVS 176A/B – Water Policy in the West/Adv. Water Policy	GLOBL-171 – Global Environmental Law & Policy
* ENVS 177 – Comparative Env Politics	GLOBL 174 - Global Perspectives on Env. and Society
* ENVS 178 – Politics of the Env (same as POLS 175)	HIST 172A/B – Politics and Public Policy in the U.S.
* ENVS 179 – Natural Resource Econ (same as ECON 122)	HIST 174A/B/C – Wealth and Poverty in America
ENVS 185 – Human Environmental Rights	POLS 110E – Environmental Political Theory
ENVS 188 – Environmental Ethics	POLS 137 – Politics of Economic Development
	POLS 153 – Political Interest Groups
	POLS 162 – Urban Government and Politics
	SOC 134G – Green Movements and Green Parties
	WRIT 107L/110L – Legal Writing / Advanced Legal Writing

Environmental Justice and Social Inequity (BA degree)

Environmental Justice and Social Inequity (DA deg	
AREA B	AREA C
ENVS 112 – World Population, Policies, and the Environment	ANTH 104 – Risk and Inequality
ENVS 116 – Building Sustainable Communities	ANTH 110 – Technology and Culture
ENVS 125A – Environmental Law	ANTH 111 – The Anthropology of Food
ENVS 129 – Ecopsychology	ANTH 113 – Indigenous People and the Nation State in America
ENVS 130A – Risks, Vulnerability, Resilience, and Disasters	ANTH 122 – ANTH of World Systems
ENVS 130B – Global Tourism and Env. Conservation	ANTH 124 – Anthropological Political Economy
ENVS 130C – Global Food Systems: Human Food Security	ANTH 125 – Anthropology of Gender
* ENVS 130SD – World in 2050: Sustainable Development	ANTH 130 – International Development and Population Health
ENVS 131 – International Environmental Law and Diplomacy	ANTH 138 – Anthropology of Environmental Health
ENVS 132 – Human Behavior and Global Environment	ANTH 139 – Indigenous Peoples
* ENVS 134CJ – Climate Justice	ANTH 145 – Anthropological Demography and Life History
* ENVS 134EC – Earth in Crisis	ANTH 146 – Development Anthropology
ENVS 146 – Animals in Human Society	ANTH 172 – Colonialism and Culture
* ENVS 149 – World Ag, Food, Population (same as GEOG 161)	ANTH 177 – Infrastructure Inequalities
* ENVS 151 – Env. Anthropology (same as ANTH 152)	BLST 154 – Environment Racism and Environmental Justice
ENVS 155 – The Built World: Infrastructure, Power, & Env	ECON 114A / B – Economic Development
* ENVS 168JH – Gauchos, Cowboys, and Indians	EACS 141 – Environmental Justice in Asia
* ENVS 175 – 175 Environmental Economics	GEOG 109 – Economic Geography
* ENVS 177 – Comparative Environmental Politics	GEOG 135 – Mock Environmental Summit
* ENVS 178 – Politics of the Env (same as POLS 175)	GEOG 13S – Intense Mock Environmental Summit
ENVS 180 – Global Environmental Movements	GEOG 141A/B/C – Population Geog/Development/Policy
ENVS 180 – Global Environmental Movements	GEOG 145 – Society and Hazards
ENVS 183 – Film, Representation, and the Environment	GLOBL 111 – human Rights and World Order
ENVS 184 – Gender and the Environment	GLOBL 124 – Global Conflict
ENVS 185 – Human Environmental Rights	GLOBL 130 – Global Economy and Development
ENVS 185 – Development, Displacement and the Env	GLOBL 160 – Global Ecolomy and Development GLOBL 161 – Global Environmental Policy and Politics
ENVS 188 – The Ethics of Human – Environment Relations	GLOBL 171 – Global Environmental Law & Policy
ENVS 188 – The Ennes of Human – Environment Relations ENVS 189 – Religion and Ecology in the Americas	GLOBL 173 – Energy in Global Societies
ENVS 199 – Kenglon and Ecology in the Americas	GLOBL 174 – Global Perspectives on Env. and Society
ENVS 193CR – Personal & Community Resilience	PHIL 129 – Philosophy of International Relations
ENVS 193CS – Citizen and Community Science	POLS 117 – Social Movement Politics
ENVS 193CS – Chizen and Community Science	POLS 119AA-ZZ – Ethical Issues in International Relations
* ENVS 193WL – Wild Literature in Urban Landscapes	POLS 132 – Politics of the Poor
Elvvs 175 wE – who Enclature in Orban Eandscapes	POLS 146 – Globalization and Politics
	POLS 147 – Politics in Developing Countries
	RGST 110E – Mexican and Chicana Spiritualism
	RGST 156EE – Environmental Ethics
	SOC 122GI – Global Inequities
	SOC 12201 – Global Inequilies SOC 126U – Sociology of the Urban Underclass
	SOC 1200 – Sociology of the Orban Onderetass SOC 130 – Development and its Alternatives
	SOC 130GR – Globalization and Resistance
	SOC 130SG – Sociology of Globalization
	SOC 134 – Social Movements
	SOC 134A – Activism
	SOC 134A – Activisin SOC 134G – Green Movements and Green Parties
	SOC 134G – Globalization and Crisis
	SOC 134GJ – Global Justice Movements
	SOC 1340J – Global Justice Movements SOC 134RC – Radical Social Change
	SOC 145 – Social Inequalities

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

Food, Agriculture, and the Environment (DA or DS degree)	
AREA B	AREA C
ENVS 112 – World Population, Policies, and the Environment	ANTH 103 – Human-Wildlife Interactions
* ENVS 114A/B – Soil Science/ Soil Classification	ANTH 110 – Technology and Culture
ENVS 116 – Building Sustainable Communities	ANTH 111 – The Anthropology of Food
ENVS 120A/B – Intro and Advanced Env. Toxicology	ANTH 123 – Feeding Ecology of Primates and Humans
ENVS 121 – Contaminants of Emerging Concern	ANTH 127 – Hunters and Gatherers
ENVS 130C – Global Food Systems, Human Food Security	ANTH 141 – Agriculture and Society in Mexico: Past/Present
ENVS 132 – Human Behavior and the Global Environment	ANTH 147 – Water and Society
ENVS 135A/B – Principles and Advanced Env. Planning	* ENVS 152 – Env. Anthropology (same as ENVS 151)
ENVS 142 – Microbes and the Human Environment	ANTH 160 – Cultural Ecology
ENVS 146 – Animals in Human Society	ANTH 162 – Prehistoric Food Production
* ENVS 149 – World Ag, Food, Population (same as GEOG 161)	ANTH 168 – Ethnology in Rural CA, Agr/Farm/Labor/Rural
ENVS 154 – GIS for Env. Applications	ARTHS 136E – Food Space
ENVS 157 – Santa Barbara County Agrifood System	* ECON 122 – Natural Resource Econ (same as ENVS 179)
* ENVS 158 – Cultural and Biological Diversity of Food Plants	EEMB 127/127L – Plant Biology and Biodiversity/Lab
(same as GEOG 169)	EEMB 140/140L – General Plant Ecology
* ENVS 162 – Environmental Water Quality	EEMB 157C – Plant Physiology
ENVS 163A – Global Water Resources -Supply & Demand	* EEMB 171 – Ecosystem Processes
ENVS 163B – Global Water Resources –Mgt. and Policy	GEOG 110 – Introduction to Meteorology
* ENVS 166BT – Biotech, Food, Ag (same as GEOG 171BT)	GEOG 140 – Env Impacts in Human History
ENVS 166DC – Diet and Global Climate Change	GLOBL 138 – Global Health
* ENVS 166FP – Small Scale Food Prod (same as GEOG 171FP)	GLOBL 174 – Global Perspectives on Env. and Society
ENVS 176A/B – Water Policy in the West)	HIST 193F – Food in World History
ENVS 193EB – Ethnobotany: Human Use of Plants	* SOC 134EC –Earth in Crisis

AREA C

Climate Change (BA or BS degree)

AREA B

ANTH 147 - Water and Society ENVS 105 – Solar and Renewable Energy ENVS 106 - Critical Thinking: Human-Env. Problems CHEM 123 - Fundamentals of Environmental Chemistry ENVS 112 - World Population, Policies, and the Environment ECON 127 – Climate Change ENVS 116 - Building Sustainable Communities EEMB 104 - The State of Our Planet ENVS 117 - Sci. and Policy Dimensions of Climate Change EEMB 169 - The Effects of Climate Change on Marine Ecosystems * ENVS 122CC - Rhetoric of Climate Change EEMB 155CC - Global Change Biology ENVS 130A - Risks, Vulnerability, Resilience, and Disasters EEMB 179 – Ecological Modeling ENVS 130C - Global Food Systems, Human Food Security EARTH 105 - Earth's Climate: Past and Present * ENVS 130SD – World in 2050: Sustainable Development EARTH 106 - Introduction to Climate Modelling ENVS 132 - Human Behavior and Global Environment EARTH 107 - Climate Change: Lessons from the Past EARTH 117 - Earth Surface Processes and Landforms * ENVS 134EC - Erath in Crisis * ENVS 134CJ – Climate Justice EARTH 130 – Global Warming - Science and Society ENVS 141 - Chemistry of Global Change EARTH 150 – Petroleum Geology * ENVS 149 – World Ag, Food, Population (same as GEOG 161) EARTH 161 - Earth Resources, Energy & Environment ENVS 166 DC - Diet and Climate Change EARTH 164B - Earth System Ocean-Atmosphere * ENVS 166FP - Small Scale Food Prod (same as GEOG 171FP) EARTH 164C - Earth System History GEOG 110 - Intro to Meteorology ENVS 167 - Biogeography: Plant & Animal Distribution ENVS 174 - Environmental Policy and Economics GEOG 111C - Smart Green Cities ENVS 176A/B - Water Policy in the West/ Adv. Water Policy GEOG 113 – Polar Environments ENVS 185 - Human Environmental Rights GEOG 115A/B/C – Introduction to Remote Sensing Series ENVS 188 - The Ethics of Human - Environment Relations GEOG 119 – Climate Change and its Consequences GEOG 133 – Tropical Meteorology GEOG 134 – Earth System Science GEOG 140 – Environmental Impacts in Human History GEOG 145 - Society and Hazards GEOG 158 - Intro to Marine Resources GEOG 163 - Ocean Circulation GEOG 175 - Measuring our Environment GEOG 176A/B/C – Intro to Geographic Information Systems GEOG 185B - Env. Issues and Local Decision Making GLOBL 161 - Global Environmental Policy and Politics GLOBL 171 - Global Env. Law and Policy GLOBL 173 - Energy in Global Societies GLOBL 174 - Global Perspectives on Env. and Society

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AREA B	AREA C
ENVS 112 – World Population, Policies, and the Env.	ANTH 147 – Water and Society
ENVS 116 – Building Sustainable Communities	ARTHS 136B – Twentieth-Century Architecture
ENVS 117 – Sci. and Policy Dimensions of Climate Change	ARTHS 136C – Architecture of the United States
ENVS 118 – Industrial Ecology: Designing for the Env.	ARTHS 136E – Food Space
ENVS 125A – Principles of Environmental Law	ARTHS 136I – The City in History
ENVS 125B – Land Use and Planning Law	ARTHS 136T – Building CA: Architecture and the Environment
ENVS 130A – Risks, Vulnerability, Resilience, and Disasters	ARTHS 136U – Designing a Better Tomorrow
ENVS 130SD – The World in 2050: Sustainable Development	ARTHS 186Y – Seminar in Architecture and Environment
* ENVS 135A/B – Principles of Env. Planning/Adv. Planning	BLST 129 – The Urban Dilemma
ENVS 136 – Green Works	GEOG 101 – Transportation Futures
* ENVS 1360 – Sustainable Architecture	GEOG 108 – Urban Geography
* ENVS 149 – World Ag, Food, Population (same as GEOG 161)	GEOG 111A – Transportation Planning and Modeling
* ENVS 151 – Env. Anthropology (same as ANTH 152)	GEOG 111B – Transportation Modeling and Simulation
ENVS 155 – The Built World: Infrastructure, Power, and Env	GEOG 111C – Smart Green Cities
ENVS 165A/B – Env. Impact Analysis/Adv. Impact Analysis	GEOG 115A/B/C – Introduction to Remote Sensing Series
ENVS 172 – Integrated Materials and Waste Management	GEOG 130 – The Urban Environment
* ENVS 174 – Environmental Policy and Economics	GEOG 141A/B/C – Population Geog/ Development/ Policy
* ENVS 176 – Energy Politics and Policy	GEOG 145 – Society and Hazards
ENVS 176A/B – Water Policy in the West/Adv. Water Policy	GEOG 146 – Introduction to Transportation
* ENVS 178 – Politics of the Env (same as POLS 175)	GEOG 176A/B/C – Intro. To Geographic info. Systems
ENVS 185 – Human Environmental Rights	GEOG 182 – Global Cities in the Information Age
ENVS 193CE – Circular Economy	GEOG 185A/B/C – Planning & Policy/ Decision Making/ Analysis
ENVS 193SI – Sustainability and Innovation	HIST 178A – American Urban History
	POLS 162 – Urban Government and Politics
	SOC 126 – Urban Society

Urban, Regional and Environmental Planning (BA or possibly BS degree)

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

AREA B	AREA C
ENVS 113 – Engineering and Environmental Geology	ANTH 147 - Water and Society
* ENVS 114A/B – Soil Science/ Soil Classification	CHEM 109A/B/C – Fundamentals of Organic Chemistry
ENVS 118 – Industrial Ecology: Designing for the Env.	CHEM 112A/B/C – Biophysical Chemistry
ENVS 120A – Environmental Toxicology	CHEM 113A/B/C – Physical Chemistry
ENVS 120B – Advanced Environmental Toxicology	CHEM 123 – Fundamentals of Environmental Chemistry
ENVS 121- Contaminants of Emerging Concern	CHEM 150 – Analytical Chemistry
ENVS 125A – Principles of Environmental Law	EARTH 114 – Geomaterials
ENVS 125B – Land Use and Planning Law	EARTH 117 – Earth Surface Processes and Landforms
ENVS 131– International Env. Law and Diplomacy	EARTH 124A – Aqueous Geochemistry
ENVS 134 – Coastal Processes and Management	EARTH 125 – Field Methods in Hydrology
ENVS 141 – Chemistry of Global Change	EARTH 150 – Petroleum Geology
ENVS 142 – Microbes and the Human Environment	EARTH 164B – Earth System Ocean-Atmosphere
* ENVS 144 – Form, Process, and Human Use of Rivers	EARTH 176 – Geological Applications of GIS
ENVS 147 – Air Quality and the Environment	EEMB 104 – The State of Our Planet
* ENVS 149 – World Ag, Food, Population (same as GEOG 161)	EEMB 142B/C – Chem/Env. Processes in Oceans and Lakes
* ENVS 152 – Applied Marine Ecology	EEMB 148 – Ecology of Running Waters
* ENVS 162 – Environmental Water Quality	EEMB 167 – Applied Freshwater Ecology
ENVS 165A/B – Environmental Impact Analysis	GEOG 104 – Physical Geography of the World's Oceans
* ENVS 166BT – Biotechnology, Food, and Agriculture	GEOG 110 – Intro to Meteorology
(same as GEOG 171BT)	GEOG 112 – Environmental Hydrology
* ENVS 166FP – Small Scale Food Production	GEOG 115A/B/C – Remote Sensing of the Environment
(same as GEOG 171FP)	GEOG 116 – Groundwater Hydrology (same as EARTH 173)
* ENVS 168 – Aqueous Transport of Pollutants	GEOG 132 – Coastal Pollution
* ENVS 169 – Tracer and Containment Hydrology	GEOG 134 – Earth System Science
* ENVS 171 – Ecosystem Processes	GEOG 136 – Field Studies in Water, Energy, and Ecosystems
ENVS 176A/B – Water Policy in the West/Adv. Water Policy	GEOG 137 – Quantitative Geomorphology
* ENVS 178 – Politics of the Env (same as POLS 175)	GEOG 140 – Environmental Impacts in Human History
* ENVS 179 – Natural Resource Econ (same as ECON 122)	GEOG 142 – Global Biogeochemical Cycles

ENVS 193DS – Intro to Env. Data Science	GEOG 158 – Introduction to Marine Resources
	GEOG 162 – Ocean Circulation
	GEOG 175 – Measuring our Environment
	GEOG 176A/B/C – Intro to Geographic Information Systems
	MCDB 110 – Principles of Biochemistry

Energy and Sustainability (BA or BS degree)

AREA B	AREA C
ENVS 105 – Solar and Renewable Energy	ANTH 147 – Water and Society
ENVS 116 – Building Sustainable Communities	CHEM 109ABC – Fundamentals of Organic Chemistry
ENVS 117 – Sci. and Policy Dimensions of Climate Change	CHEM 113ABC – Physical Chemistry
ENVS 118 – Industrial Ecology: Designing for the Env.	CHEM 123 – Fundamentals of Environmental Chemistry
ENVS 120A – Environmental Toxicology	CHEM 150 – Analytical Chemistry
ENVS 120B – Advanced Environmental Toxicology	ECON122 – Natural Resource Economics
ENVS 125A – Principles of Environmental Law	EARTH 124T – Introductory Thermodynamics
ENVS 130SD – The World in 2050: Sustainable Development	EARTH 136 – Chemical Thermodynamics
ENVS 135A/B – Principles of Env. Planning/Adv. Planning	EARTH 130 – Global Warming - Science and Society
ENVS 136 – Green Works: Exploring Technology & Sustain.	EARTH 150 – Petroleum Geology
ENVS 147 – Air Quality and the Environment	EARTH 161 – Earth Resources, Energy and the Environment
* ENVS 149 – World Ag, Food, Population (same as GEOG 161)	EEMB 104 – The State of Our Planet
ENVS 165A/B – Environmental Impact Analysis	GEOG 101 – Transportation Futures
* ENVS 166FP – Small Scale Food Prod (same as GEOG 171FP)	GEOG 108 – Urban Geography
ENVS 172 – Integrated Materials and Waste Management	GEOG 111A/B – Transportation Planning/Modeling/Simulation
ENVS 174 – Environmental Policy and Economics	GEOG 111C – Smart Green Cities
* ENVS 176 – Energy Politics and Policy	GEOG 119 – Climatic Change and Its Consequences
ENVS 176A/B – Water Policy in the West/Adv. Water Policy	GEOG 137 – Remote Sensing of the Atmosphere: An Intro.
* ENVS 178 – Politics of the Env (same as POLS 175)	GEOG 140 – Environmental Impacts in Human History
* ENVS 179 – Natural Resource Econ (same as ECON 122)	GEOG 145 – Society and Hazards
ENVS 193CE – Circular Economy	GEOG 158 – Intro to Marine Resources
ENVS 193GB – Green Building	GEOG 175 – Measuring our Environment
ENVS 193SI – Sustainability and Innovation	GLOBL 171 – Global Environmental Law & Policy
	GLOBL 173 – Energy in Global Societies
	GLOBL 174 – Global Perspectives on Environment and Society
Recommended: Completion of as many lower-division physics	SOC 118CW – Consumption, Waste, and the Environment
(preferably PHYS 1, 2, 3, 4, 5 series) and calculus (MATH 3A;	TMP 120 – Fundamentals in Business Strategy
B) courses as possible for Engineering field	TMP 122 – Entrepreneurship
	TMP 130 – Operations Management

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mistory of multian-Environmental Relations (DA degree)	
AREA B	AREA C
* ENVS 1080 – History of the Oceans	ANTH 109 – Human Universals
* ENVS 108W – Wildlife in America	ANTH 103 – Human-Wildlife Interactions
ENVS 112 – World Population, Policies, and the Environment	ANTH 110 – Technology and Culture
ENVS 118 – Industrial Ecology: Designing for the Env	ANTH 111 – The Anthropology of Food
* ENVS 119 – Ecology and Management of CA Wildlands	ANTH 139 – Indigenous Peoples
* ENVS 122LE – Literature and the Env	ANTH 160 – Cultural Ecology
* ENVS 122NE – Nature and the Env	GEOG 135 – Mock Environmental Summit
ENVS 127A – Foundations of Environmental Education	GEOG 13S – Intense Mock Environmental Summit
ENVS 129 – Ecopsychology	GEOG 140 – Environmental Impacts in Human History
ENVS 130A – Risks, Vulnerability, Resilience, and Disasters	GEOG 141A/B – Population Geography/Development
ENVS 130B – Global Tourism and Env. Conservation	GEOG 145 – Society and Hazards
ENVS 130C – Global Food Systems, Human Food Security	GEOG 153A – Behavioral Geography
* ENVS 130SD – World in 2050: Sustainable Development	GLOBL 161 – Global Environmental Policy and Politics
ENVS 132 – Human Behavior and Global Environment	GLOBL 174 - Global Perspectives on Env. and Society
ENVS 139 – Business and the Environment	HIST 106B – The Scientific Revolution, 1500 to 1800
ENVS 143 – Endangered Species Management	HIST 106C – History of Modern Science
ENVS 146 – Animals in Human Society	HIST 108 – Science, Technology and Contemporary Culture
* ENVS 149 – World Ag, Food, Population (same as GEOG 161)	HIST 109 – Science and Technology in America
* ENVS 151 – Env. Anthropology (same as ANTH 152)	HIST 110D – Diseases in History

History of Human-Environmental Relations (BA degree)

ENVS 160 – American Environmental Literature	HIST 117E – Society and Nature in the Middle Ages
ENVS 166 DC – Diet and Climate Change	HIST 178A – American Urban History
* ENVS 173 – American Environmental History	HIST 179AB – Native American History
* ENVS 176 – Energy Politics and Policy	INT 156EE – Environmental Ethics
* POLS177 – Comparative Env Politics	POLS 146 – Globalization and Politics
* ENVS 178 – Politics of the Env (same as POLS 175)	POLS 170 – Public Policy Analysis
ENVS 180 – Global Environmental Movements	POLS 177 – Comparative Environmental Politics
ENVS 181 – Power, Justice, and the Environment	RGST 156 EE – Environmental Ethics
ENVS 183 – Films of the Natural and Human Environment	SOC 105 – Environmental Sociology
ENVS 184 – Gender and the Environment	SOC 130 – Development and its Alternatives
ENVS 185 – Human Environmental Rights	SOC 130GR – Globalization and Resistance
ENVS 188 – The Ethics of Human Environment Relations	
ENVS 189 – Religion and Ecology in the Americas	

Environmental Economics and Policy (BA degree)

AREA B	AREA C
ENVS 104 – People, Poverty, and Env. in Central America	ECON 100B – Intermediate Microeconomic Theory
ENVS 116 – Building Sustainable Communities	ECON 101 – Intermediate Macroeconomic Theory
ENVS 117 – Sci. and Policy Dimensions of Climate Change	ECON 114 – Economic Development
ENVS 118 – Industrial Ecology: Designing for the Env	ECON 127 – Climate Change
ENVS 125A – Environmental Law	ECON 174 – Negotiations
* ENVS 130SD – World in 2050: Sustainable Development	ECON 176 – Experimental Economics
ENVS 130B – Global Tourism and Env. Conservation	ECON 183 – Economics of Entrepreneurship
ENVS 130C – Global Food Systems & Human Food Security	GEOG 109 Economic Geography
ENVS 131 – International Environmental Law and Diplomacy	GEOG 135 – Mock Environmental Summit
ENVS 132 – Human Behavior and the Global Environment	GEOG 13S – Intense Mock Environmental Summit
ENVS 136 – Green Works: The Search for Sustainability	GEOG 141C – California Population Analysis and Policy
ENVS 157 – Santa Barbara County Agrifood System	GEOG 185B/C – Env. Urban, Decision Making, & Planning
ENVS 165A/B – Environmental Impact Analysis	GLOBL 123 – Intro. to International Political Economy
* ENVS 166FP – Small Scale Food Prod (same as GEOG 171FP)	GLOBL 130 – Global Economy and Development
ENVS 172 – Waste Management: Product Stewardship, etc.	GLOBL 136 – Global Economic Imbalances
ENVS 174 – Environmental Policy and Economics	GLOBL 161 – Global Environmental Policy and Politics
ENVS 175 – Environmental Economics	GLOBL 171 – Global Environmental Politics
ENVS 176A/B – Water Policy in the West	HIST 167E – Studies in Work, Labor, and Political Economy
* ENVS 178 – Politics of the Env (same as POLS 175)	HIST 172A/B – Politics and Public Policy in the United States
* ENVS 179 – Natural Resource Econ (same as ECON 122)	POLS 146 – Globalization and Politics
ENVS 180 – Global Environmental Movements	POLS 162 – Urban Government and Politics
ENVS 185 – Human Environmental Rights	POLS 170 – Public Policy Analysis
ENVS 193CE – Circular Economy	POLS 185 – Government and the Economy
ENVS 193SI – Sustainability and Innovation	POLS 186 – Introduction to International Political Economy
* These ES/Econ courses require the following prerequisites:	TMP 120 – Fundamentals in Business Strategy
<i>Econ 1, 2, and 10A</i>	TMP 122 – Entrepreneurship

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

AREA B	AREA C
ENVS 103 – Flora and Vegetation in California	ANTH 103 – Human-Wildlife Interactions
* ENVS 108W – Wildlife in America	CHEM 109ABC – Fundamentals of Organic Chemistry
* ENVS 111 – The California Channel Islands	CHEM 123 – Fundamentals of Environmental Chemistry
* ENVS 119 – Ecology and Management of CA Wildlands	EEMB 104 – The State of Our Planet
* ENVS 114A/B – Soil Science/ Soil Classification	EEMB 106 – Biology of Fishes
ENVS 120A – Environmental Toxicology	EEMB 107 – Biology of Amphibians and Reptiles
ENVS 120B – Advanced Environmental Toxicology	EEMB 111 – Parasitology
ENVS 125A – Principles of Environmental Law	EEMB 112 – Invertebrate Zoology
* ENVS 128 – Foundations of Ecosystem Restoration	EEMB 117 – Flow and Aquatic Ecosystems
ENVS 130B – Global Tourism and Env. Conservation	EEMB 118 – Entomology
* ENVS 133 – Biodiversity and Conservation Biology	EEMB 120 – Introduction to Ecology
ENVS 134 – Coastal Processes and Management	EEMB 127/L – Plant Biology and Biodiversity
ENVS 143 – Endangered Species Management	EEMB 140 – General Plant Ecology
* ENVS 144 – Form, Process, and Human Use of Rivers	EEMB 142A – Aquatic Communities
ENVS 146 – Animals in Human Society	EEMB 142B/C – Environmental Processes in Oceans and Lakes
ENVS 152 – Applied Marine Ecology	EEMB 143/L – Ecological Physiology

ENVS 165A/B – Environmental Impact Analysis	EEMB 144 – Marine Microbiology
* ENVS 167 – Biogeography: Plant & Animal Distribution	EEMB 148 – Ecology of Running Waters
* ENVS 168 – Aqueous Transport of Pollutants	EEMB 153 – Ecology of Lakes and Wetlands
* ENVS 171 – Ecosystem Processes	EEMB 159 – Tropical Ecology
* ENVS 176 – Energy Politics and Policy	EEMB 166 – Field Approaches to Terrestrial Plant/Ecosystem Eco.
ENVS 176A/B – Water Policy in the West/Adv. Water Policy	EEMB 167 – Applied Freshwater Ecology
* ENVS 178 – Politics of the Env (same as POLS 175)	EEMB 168 – Conservation Ecology
* ENVS 179 – Natural Resource Econ (same as ECON 122)	EEMB 172 – Theoretical Population Ecology
ENVS 193CP – Conservation Planning	EEMB 179 – Ecological Modeling
	GEOG 112 – Environmental Hydrology
	GEOG 113 – Polar Environments
	GEOG 115A/B/C – Introduction to Remote Sensing Series
	GEOG 136 – field Studies in Water, Energy, and Ecosystems
	GEOG 158 – Intro to Marine Resources
	GEOG 168 – Field Studies in Biogeography
	GEOG 176ABC – Intro to Geographic Information Systems

* before the course **indicates a cross-listed course** with a second department. These can be applied to either *Area B or C, but not both simultaneously. All courses may apply to just one major requirement only.*

Other possible emphases may include:

Environmental Education, Environmental Journalism/Communications, Environmental Movements, Environmental Mapping, Oceans- Fisheries, management, and protection, etc.