

UCSB ENVIRONMENTAL STUDIES

Guide to Creating Your Own Concentration

The upper-division electives (Area B) and outside concentration (Area C) requirements in the B.A. and B.S. degrees in Environmental Studies provide significant flexibility, enabling students to choose courses from Environmental Studies and diverse departments across campus. This allows students to tailor their education to match their personal and professional aspirations. This guide outlines how students can utilize these requirements to take courses to develop their own unique concentration. Additionally, it includes **some examples** of popular concentrations ES students have pursued, illustrating how one can customize their degree.

Review of ES Upper-Division Requirements available to form a unique concentration:

B.A.

Area B - Any 28 units of upper-division ES electives not used in Area A
(ES courses numbered 100 to 199)

Area C - 16 UD units from any one department outside of ES or combination of courses from multiple departments forming a coherent theme.
NOTE: Either Area, but especially Area C, may include transfer work from studying abroad or an environmental field studies program.

IMPORTANT - PLEASE NOTE

- 1. The suggested concentrations below are not mandatory and not the only options.** One may complete the Area B & C with a unique combination of courses around a theme of their own design.
- 2. When selecting courses for a concentration, do your homework!**
 - a)** Find out when they will be offered before committing to them. One will need to be flexible as **not all courses are offered every year**.
 - b)** Watch out for required **prerequisites** as these will make some courses more difficult to get into than others.
 - c)** Beware of courses offered by large and **impacted departments** as they may place 'majors only' enrollment restrictions on certain pastimes. For example, the Communications Dept. limits most of their courses to Comm majors only except in the summer.
 - d)** Search for '**new**' courses. ES and other departments offer new courses all the time that have not made their way onto our list of examples. Use UCSB's online General Catalog or GOLD to find new and unique courses that may be a good fit for one's concentration.
- 3. Creating a personal concentration is not an official emphasis and will not be noted on one's diploma or transcript.** It will offer the opportunity to highlight and explain how one's ES electives and Area C courses form a theme via one's resume or in a job interview.

B.S.

Area B-1 - 20 units of upper-division ES electives from list of ES STEM courses (see major sheet)

Area B-2 - Any 12 units of upper-division ES electives not used in Area A or B-1 (ES courses numbered 100 to 199)

Area C - 16 units from any one STEM department (see major sheet), or combination of courses from multiple depts. forming a theme.

NOTE: Either Area, but especially Area C, may include transfer work from studying abroad or an environmental field studies program.

4. Start your outside concentration before your last quarter. Plan ahead since it can be very difficult to find enough courses in one department or that all work together under a coherent theme within a single/final quarter.

5. There are many ES courses offered with a second department. These are called cross-listed and are noted with an asterisk * in the examples and can be taken through either department. But can only be applied to one major requirement - Area B or C, but not both.

6. An ES Major Petition must be submitted for an interdisciplinary outside concentration (Area C). Unless your outside concentration (Area C) is completed all in one department, you will need to submit a Major Degree Requirement Petition to have all the courses count towards that area. More info about how to submit a petition and when can be found here: es.ucsb.edu/degree requirements.

7. Please be sure to review your ES major requirements thoroughly. They are available on the ES website at: es.ucsb.edu/degrees

**IF YOU HAVE ANY QUESTIONS, PLEASE
CONTACT YOUR ES ADVISORS!**

es.ucsb.edu/advising

Here are some examples of possible concentrations

Remember, these are suggestive only and you can create your own concentration!

* Denotes ES cross-listed courses that can be applied to either Area B or C, but not both

Human-Environmental Health (BS or possibly BA degree)

AREA B	AREA C
ENV S 112 - World Population, Policies, and the Env	CHEM 109A/B/C - Organic Chemistry
ENV S 120A/B - Environmental Toxicology	CHEM 123 - Fundamentals of Environmental Chemistry
ENV S 121 - Contaminants of Emerging Concern	EEMB 111 - Parasitology
ENV S 129 - Ecopsychology	EEMB 157A - Cell Physiology
ENV S 142 - Microbes and the Human Environment	MCDB 101A/B - Molecular Genetics
ENV S 147 - Air Quality and the Environment	MCDB 103 - Cell Biology
* ENV S 162 / GEOG 162 - Env Water Quality	MCDB 110 - Principles of Biochemistry
ENV S 165A/B - Environmental Impact Analysis	MCDB 111 - Human Physiology

* ENV S 168 / EARTH 168 – Aqu. Transport of Pollutants * ENV S 169 / EARTH 169 – Tracer and Cont. Hydrology * ENV S 171 / EEMB 171 – Ecosystem Processes ENV S 185 – Human Environmental Rights	MCDB 126 – Basic Pharmacology (prereq MCDB 101A) MCDB 132 – Bacterial Pathogenesis (prereq MCDB 101A) MCDB 133 – Immunobiology (prereq MCDB 101A) MCDB 139 – Medical Microbiology MCDB 146 – Stem Cell Biology in Health and Disease BA ONLY ANTH 130 – Intl. Development and Population Health ANTH 138 – Anthropology of Human Health ANTH 171 – Evolutionary Medicine (prereq ANTH 5) ANTH 175 – Medical Anthropology (prereq ANTH 2) ANTH 177AB – Human Reproduction Ecology AS AM 159 / ESS 159 – Env Just. and Community Health BL ST 154 – Env Racism and Env Justice CH ST 163 – Exposing Health Inequalities COMM 148 – Risk Communication (M qtr. only) FEMST 130 / ESS 129 – Women’s Health GEOG 152 – Health Geography HIST 104SS – Race, Science, and Society INT 175 – Health Care Delivery INT 176 – Introduction to Clinical Medicine RG ST 156BE – Bio-Medical Ethics RG ST 193B – Religion and Healing in a Global Persp. WRIT 109HP – Writing for Health Professionals
---	---

Environmental Law and Politics *(BA degree)*

AREA B	AREA C
*ENV S 108O / HIST 108O – History of the Oceans ENV S 112 – World Population, Policies, and the Env ENV S 116 – Sustainable Communities ENV S 117 – Transition to a Low Carbon Society ENV S 125A/B – Env Law/ Climate Change Law ENV S 131 – International Env Law and Politics ENV S 139 – Business and Environment ENV S 159 – U.S. Public Lands & Waters – Law & Policy ENV S 163B – Global Water: Water Mgmt. Policy	ANTH 139CH – Landback, Reparations, & Solidarity Economies AS AM 159 / ESS 159 – Env Just. and Community Health BL ST 129 – Black Cities: Spatial Politics of Violence, Power and Resistance BL ST 131 – Race and Public Policy COMM 130 – Political Communication COMM 177 – The Legal Community and the Courtroom ECON 117A – Law and Economics (prereq ECON 100B)

* ENV S 175 / ECON 115 – Environmental Economics * ENV S 176 / POL S 176– Energy Politics and Policy ENV S 176A/B – Water Policy * ENV S 177 / POL S 177– Comparative Env Politics * ENV S 178 / POL S 178 – Politics of the Env * ENV S 179 / ECON 122 – Natural Resources Econ ENVS 185 – Human Environmental Rights ENVS 188 – Ethics in the Anthropocene ENV S 193PS – The Art of Public Speaking for the Env	ECON 189 – Business Law and Ethics in Accounting (prereq ECON 3B, ECON 10A, and ECON 5) GLOBL 161 – Global Environmental Policy and Politics GLOBL 174 – Global Perspectives on Env. and Society GLOBL 178 – Global Politics of Climate Change HIST 108LT – Law and Tech in Contemporary History HIST 158A – Racism, Political Economy, and Public Policy in Modern U.S. History HIST 172A/B – Politics and Public Policy in the U.S. HIST 174A/B/C – Wealth and Poverty in America INT 101 – Legal Career and Law School Lecture/Workshop Series PHIL 143 – Philosophy of Law POL S 110ET – Environmental Political Theory POL S 140 – Water Politics POL S 153 – Political Interest Groups POLS 162 – Urban Government and Politics POL S 176 – Energy Politics and Policy SOC 134G – Green Movements and Green Parties SOC 173 – Sociology of Law WRIT 107L/110L – Legal Writing WRIT 105PS – Writing for Public Speaking
--	---

Environmental Justice and Social Inequality (BA degree)

AREA B	AREA C
ENV S 112 – World Population, Policies, and the Env ENV S 116 – Sustainable Communities ENV S 125A – Principles of Environmental Law ENV S 129 – Ecopsychology ENV S 130A – Un-naturalizing Disasters: Risks, Vulnerability, and Resilience ENV S 130B – Global Tourism and Env Justice ENV S 130C – Aquatic Food and Resource Management * ENV S 130SD / SOC 130SD– World in 2050: Syst. Alt. *ENV S 134CJ / SOC 134CJ– Climate Justice * ENV S 134EC / SOC 134EC – Earth in Crisis	ANTH 111 – The Anthropology of Food ANTH 113 – Indig People and the Nation State in U.S. ANTH 125 – Anthropology of Gender ANTH 130 – Intl. Development and Population Health ANTH 138 – Anthropology of Environmental Health ANTH 139CH – Landback, Reparations, and Solidarity Economies ANTH 145 – Anthropological Demog. and Life History ANTH 172 – Colonialism and Power AS AM 152 – Env Entanglements in Asian America AS AM 159 / ESS 159 – Env Just and Community Health

* ENV S 149 / GEOG 161– Food, Agriculture and the Env ENV S 150 – Agroecology * ENV S 151 / ANTH 152 – Env Anthropology ENV S 155 – Built World: Infrastructure and Env Change * ENV S 175 / ECON 115 – Env Economics (prereq 10A) * ENV S 177 / POL S 177 – Comparative Env Politics * ENV S 178 / POL S 175 – Politics of the Env ENV S 180 – Global Environmental Movements ENV S 181 – Power, Justice, and the Environment ENV S 183 – Film, Representation, and the Environment ENV S 184 – Gender and the Environment ENV S 185 – Human Environmental Rights ENV S 186 – Development, Displacement, and Env Just. ENV S 188 – Ethics in the Anthropocene ENV S 189 – Religion and Ecology in the Americas ENV S 193CS – Citizen and Community Science ENV S 193WL – Wild Literature in Urban Landscapes	BL ST 154 – Env Racism and Env Justice COMM 108 – Corporate Social Responsibility COMM 142 – Power, Dominance and Comm COMM 168 – Working with Commun. to Make Change EACS 141 – Environmental Justice in Asia ECON 114A/B – Economic Development ED 113 – Race, Inequality, and Education FEMST 128 – Witches, Nature, and Decolonial Healing FEMST 144 – Representation and Activism GEOG 109 – Economic Geography GEOG 141A/B – Population Geography, Development GLOBL 111 – Human Rights and World Order GLOBL 124 – Peace, Conflict, and Violence Globl Persp. GLOBL 130 – Global Economy and Development GLOBL 131 – Land Uprisings and Emancipatory Alt. GLOBL 140 – Global Racial Justice (prereq: GLOBL 1) GLOBL 161 – Global Environmental Policy and Politics GLOBL 173 – Energy in Global Societies GLOBL 174 – Global Perspectives on Env. and Society HIST 158A – Racism, Political Economy, and Public Policy in Modern U.S. History POL S 117 – Social Movement Politics POLS 146 – Globalization and Politics POLS 147 – Politics in Developing Countries RG ST 156EE – Environmental Ethics SOC 105E – Environmental Sociology SOC 122 – Social Stratification SOC 122GI – Global Inequities SOC 126 – Urban Society SOC 130EV – Eco Vista: Creating Systemic Alternatives SOC 130GR – Globalization and Resistance SOC 130SG – Sociology of Globalization SOC 134 – Social Movements SOC 134A – Activism SOC 134G – Green Movements and Green Parties SOC 145 – Social Inequalities WRIT 105CH – Writing for Change
--	---

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

AREA B	AREA C
ENV S 112 – World Population, Policies, and the Env * ENV S 114A/B / GEOG 114A/B – Soil Sci/ Soils of CA ENV S 116 – Sustainable Communities ENV S 120A/B – Intro and Advanced Env Toxicology ENV S 121 – Contaminants of Emerging Concern ENV S 130C – Aquatic Food and Resource Management *ENV S 134EC / SOC 134EC – Earth in Crisis ENV S 135A/B – Principles and Advanced Env Planning *ENV S 138 / ANTH 147 – Water and Society ENV S 142 – Microbes and the Human Env ENV S 146 – Animals in Human Society ENV S 148 – Transforming Food Systems * ENV S 149 / GEOG 161 – Food, Ag, and the Env ENV S 150 – Agroecology * ENV S 151 / ANTH 152 – Env. Anthropology ENV S 154 – GIS for Env Applications ENV S 155 – Built World: Infrastructure and Env Change * ENV S 160 / ENGL 160 – Lit of Animals, Food, and Env * ENV S 162 / GEOG 162 – Env Water Quality ENV S 163A – Global Water Resources ENV S 163B – Global Water Resources – Mgt. and Policy ENV S 171 – Ecosystem Processes *ENV S 179 / ECON 122 – Natural Resources Econ ENV S 193AF – Ancestral Foods ENV S 193EB – Ethnobotany: Human Use of Plants ENV S 193TK – Traditional Ecological Knowledge ENV S 193AW – Applied Water Management ENV S 193GW – Groundwater Analysis and the Env ENV S 193WM – Water Resource Management	EEMB 118 – Entomology EEMB 127/127L – Plant Biology and Biodiversity/Lab EEMB 140/140L – General Plant Ecology EEMB 157C – Plant Physiology GEOG 110 – Introduction to Meteorology GEOG 140 – Environmental Impacts in Human History MCDB 118 – Plant Development BA ONLY ANTH 103 – Human-Wildlife Interactions ANTH 111 – The Anthropology of Food ANTH 123 – Feeding Ecology of Primates and Humans ANTH 129MG – Behavioral Ecology of Hunter Gatherers ANTH 162 – Prehistoric Food Production ARTHI 136E – Food Space HIST 193F – Food in World History RG ST 185 – Food, Religion, and Culture in the ME RG ST 190VG – Vegetarianism

Climate Change (BS or BA degree)

AREA B	AREA C
ENV S 105 – Renewable Energy Systems ENV S 112 – World Population, Policies, and the Env ENV S 116 – Sustainable Communities ENV S 117 – Transition to Low Carbon Society ENV S 125B – Climate Change Law ENV S 130A – Risks, Vulnerability, Resilience, and Disasters ENV S 130C – Aquatic Food and Resource Management * ENV S 130SD / SOC 130SD – World in 2050: Syst. Alt. * ENV S 134EC / SOC 134EC – Earth in Crisis * ENV S 134CJ / SOC 134CJ – Climate Justice * ENV S 138 / ANTH 147 – Water and Society ENV S 141 – Chemistry of Global Change ENV S 145 – Climate Change Mitigation Strategies * ENV S 149 / GEOG 161 – Food, Ag, and the Env ENV S 156 – Sustainable Water Infrastructure ENV S 167 – Biogeography: Plant & Animal Distribution ENV S 185 – Human Environmental Rights ENV S 188 – Ethics in the Anthropocene	CHEM 123 – Fundamentals of Environmental Chemistry EARTH 105 – Earth’s Climate: Past and Present EARTH 106 – Introduction to Climate Modelling EARTH 117 – Earth Surface Processes and Landforms EARTH 124IG - Introduction to Geochemistry EARTH 130 – Global Warming - Science and Society EARTH 161 – Earth Resources, Energy & Environment EEMB 155CC – Global Change Biology EEMB 158 – Climate Change Impacts on Marine Eco EEMB 179 – Ecological Modeling EEMB 194GC - Global Change and Ecology GEOG 110 – Intro to Meteorology GEOG 112 – Environmental Hydrology GEOG 113 – Polar Environments GEOG 115A/B/C – Remote Sensing Series GEOG 119 – Climate Change and its Consequences GEOG 131 - Mountain Weather and Climate GEOG 133 – Tropical Meteorology GEOG 134 – Earth System Science GEOG 140 – Environmental Impacts in Human History GEOG 142 – Global Biogeochemical Cycles GEOG 158 – Intro to Marine Resources GEOG 163 – Ocean Circulation GEOG 166 - Ocean Carbon Cycle and Climate GEOG 175 – Measuring our Environment GEOG 176A/B/C – Geographic Information Systems BA ONLY GEOG 111C – Smart Green Cities GLOBL 161 – Global Environmental Policy and Politics GLOBL 173 – Energy in Global Societies GLOBL 174 – Global Perspectives on Env. and Society GLOBL 178 – Global Politics of Climate Change

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

AREA B	AREA C
ENV S 112 – World Population, Policies, and the Env ENV S 116 – Sustainable Communities ENV S 117 – Transition to Low Carbon Society ENV S 118 – Industrial Ecology: Designing for the Env. ENV S 125A – Principles of Environmental Law ENV S 125B – Climate Change Law ENV S 130A – Risks, Vulnerability, Resilience, and Disasters ENV S 130SD – World in 2050: Systematic Alternatives ENV S 135A/B – Environmental Planning/Adv. Planning ENV S 136 – Green Works * ENV S 136O / ARTHI 136O – Sustainable Architecture *ENV S 138 / ANTH 147 – Water and Society * ENV S 149 / GEOG 161 – Food, Ag, and the Env ENV S 155 – Built World: Infrastructure, Power, and Env ENV S 163A/B – Global Water Resources ENV S 165A/B – Env Impact Analysis ENV S 172 –Waste Management * ENV S 176 / POL S 176 – Energy Politics and Policy * ENV S 178 / POL S 175 – Politics of the Env ENV S 187 – Green Building Design & Operations ENV S 193CE – Reducing, Reusing & Recycling ENV S 193SI – Sustainability and Innovation ENV S 193AW – Applied Water Management ENV S 193WM – Water Resource Management ENV S 193AZ – Land Use and Planning Law	GEOG 115A/B/C – Remote Sensing Series GEOG 130 – The Urban Environment GEOG 176A/B/C – Intro. To Geographic info. Systems GEOG 190 – Location Theory and Modeling GEOG 192 – Urban and Environmental System Analysis BA ONLY ARTHI 136C – Architecture of the United States ARTHI 136I – The City in History ARTHI 136E – Food Space ARTHI 142D – Gardens, Land, and Landscape ARTHI 186Y – Seminar in Architecture and Environment BL ST 129 – Black Cities: Spatial Politics of Violence, Power, and Resistance GEOG 108 – Urban Geography GEOG 109 – Economic Geography GEOG 111A – Transportation Planning and Modeling GEOG 111B – Transportation Modeling and Simulation GEOG 111C – Smart Green Cities GEOG 141A/B – Population Geog/ Development GEOG 145 – Society and Hazards HIST 178A/B – American Urban History POL S 140 – Water Politics POLS 162 – Urban Government and Politics SOC 118GK – Sociology of Garbage SOC 126 – Urban Society SOC 130EV – Eco Vista: Creating Systemic Alternatives

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

AREA B	AREA C
ENV S 113 – Engineering and Env Geology * ENV S 114A/B / GEOG 114A/B – Soil Science	CHEM 109A/B/C – Organic Chemistry CHEM 112A/B/C – Biophysical Chemistry

ENV S 118 – Industrial Ecology: Designing for the Env ENV S 120A/B – Environmental Toxicology ENV S 121– Contaminants of Emerging Concern ENV S 125A – Principles of Environmental Law ENV S 125B – Land Use and Planning Law ENV S 134 – Coastal Processes and Management *ENV S 138 / ANTH 147 - Water and Society ENV S 140 – Ecology and Management of Wildland Fire ENV S 141 – Chemistry of Global Change ENV S 142 – Microbes and the Human Env * ENV S 144 / GEOG 144 – Form, Process, and Human Use of Rivers ENV S 147 – Air Quality and the Environment * ENV S 149 / GEOG 161 – Food, Ag, and the Env * ENV S 152 / EEMB 152 – Applied Marine Ecology ENV S 156 – Sustainable Water Infrastructure * ENV S 162 / GEOG 162 – Env Water Quality ENV S 164 – Collecting and Exploring Water Data ENV S 165A/B – Environmental Impact Analysis * ENV S 168 / EARTH 168 – Aqueous Transp. of Pollu. * ENV S 169 / EARTH 169 – Tracer and Contain. Hydro * ENV S 171 / EEMB 171 – Ecosystem Processes ENV S 176A/B – Water Policy * ENV S 179 / ECON 122– Natural Resources Econ ENV S 193DS - Intro to Env Data Science ENV S 193AW – Applied Water Management ENV S 193GW – Ground Water Analysis and the Env ENV S 193WM – Water Resource Management	CHEM 113A/B/C – Physical Chemistry CHEM 123 – Fundamentals of Environmental Chemistry CHEM 150 – Analytical Chemistry EARTH 114 – Geomaterials EARTH 117 – Earth Surface Processes and Landforms EARTH 124E – Environmental Geochemistry EARTH 124IG - Intro to Geochemistry EARTH 125 – Field Methods in Hydrology *EARTH 173 / GEOG 116 – Groundwater Hydrology EARTH 176 – Geological Applications of GIS EARTH 177 – Ore Deposits and Mineral Resources EEMB 142B/C – Chem/Env Oceans and Lakes EEMB 148 – Ecology of Running Waters EEMB 153 – Ecology of Lakes and Wetlands GEOG 104 – Physical Geography of the World's Oceans GEOG 110 – Intro to Meteorology GEOG 112 – Environmental Hydrology GEOG 115A/B/C – Remote Sensing of the Environment GEOG 131 – Mountain Weather and Climate GEOG 132 – Coastal Pollution GEOG 134 – Earth System Science GEOG 137 – Quantitative Geomorphology GEOG 140 – Environmental Impacts in Human History GEOG 142 – Global Biogeochemical Cycles GEOG 158 – Introduction to Marine Resources GEOG 162 – Water Quality GEOG 163 – Ocean Circulation GEOG 175 – Measuring our Environment GEOG 176A/B/C – Geographic Information Systems MCDB 110 – Principles of Biochemistry BA ONLY COMM 148 – Risk Communication
--	--

Energy and Sustainability (BS or possibly BA degree)

AREA B	AREA C
ENV S 105 – Renewable Energy Systems ENV S 115 – Energy and the Environment ENV S 116 – Building Sustainable Communities ENV S 117 – Transition to Low Carbon Society ENV S 118 – Industrial Ecology: Designing for the Env. ENV S 120A/B – Environmental Toxicology ENV S 125A – Principles of Environmental Law ENV S 130SD – The World in 2050: Sys Alternatives ENV S 135A/B – Env Planning/Adv. Planning ENV S 136 – Green Works: Exploring Tech & Sustain *ENV S 138 / ANTH 147 – Water and Society ENV S 147 – Air Quality and the Environment ENV S 155 – Built World: Infrastructure & Env Change ENV S 156 – Sustainable Water Infrastructure ENV S 165A/B – Environmental Impact Analysis ENV S 172 – Waste Management * ENV S 176 / POL S 176– Energy Politics and Policy ENV S 176A/B – Water Policy * ENV S 178 / POL S 175 – Politics of the Env * ENV S 179 / ECON 122 – Natural Resources Econ ENV S 187 – Green Building and Design ENV S 193CE – Reducing, Reusing & Recycling ENV S 193SI – Sustainability and Innovation	CHEM 109A/B/C – Fundamentals of Organic Chem CHEM 113A/B/C – Physical Chemistry CHEM 123 – Fundamentals of Environmental Chemistry CHEM 150 – Analytical Chemistry EARTH 130 – Global Warming - Science and Society EARTH 161 – Earth Resources, Energy and the Env GEOG 119 – Climatic Change and Its Consequences GEOG 140 – Environmental Impacts in Human History GEOG 158 – Intro to Marine Resources GEOG 175 – Measuring our Environment BA ONLY FAMST 166EM – Energy, Media, Culture FAMST 187OC – Oil Culture GEOG 108 – Urban Geography GEOG 111A/B – Transportation Planning/Modeling/Simulation GEOG 111C – Smart Green Cities GLOBL 173 – Energy in Global Societies GLOBL 174 – Global Perspectives on Env and Society SOC 118CW – Consumption, Waste, and the Env TMP 120 – Fundamentals in Business Strategy TMP 122 – Entrepreneurship TMP 130 – Operations Management WRIT 105S – Writing About Sustainability
Recommended for more technical energy & engineering fields are: Completion of MATH 3A and 3B plus additional Math courses (4 & 6 series) and more physics (preferably the entire PHYS 7 series)	

History of Human-Environmental Relations (BA degree)

AREA B	AREA C
ENV S 103 – Nature and Spirituality *ENV S 108O / HIST 108O – History of the Oceans ENV S 108W – Wildlife in America	ANTH 103 – Human-Wildlife Interactions ANTH 109 – Human Universals ANTH 110 – Technology and Culture

ENV S 112 – World Population, Policies, and the Env * ENV S 122NE / ENGL 122NE– Nature and the Env ENV S 127A – Foundations of Environmental Education ENV S 129 – Ecopsychology ENV S 130A – Risks, Vulnerability, Resilience, and Disasters ENV S 130B – Global Tourism and Env. Conservation * ENV S 130SD / SOC 130SD– World in 2050: Syst. Alt. *ENV S 134CJ / SOC 134CJ – Climate Justice *ENV S 138 / ANTH 147 – Water and Society ENV S 143 – Endangered Species Management ENV S 146 – Animals in Human Society * ENV S 149 / GEOG 161 – Food, Agriculture, and Env * ENV S 151 / ANTH 152 – Env. Anthropology ENV S 153 – Ecosystem Change in the Anthropocene ENV S 160 – American Environmental Literature *ENV S 173 / HIST 173T– American Env History * ENV S 176 / POL S 176 – Energy Politics and Policy * ENV S 178 / POL S 175 – Politics of the Env ENV S 180 – Global Environmental Movements ENV S 181 – Power, Justice, and the Environment ENV S 183 – Film, Representation, and the Env ENV S 184 – Gender and the Environment ENV S 185 – Human Environmental Rights ENV S 188 – The Ethics of Human Env Relations ENV S 193EB – Ethnobotany ENV S 193TK – Traditional Ecological Knowledge	ANTH 111 – The Anthropology of Food ANTH 115 – Language, Culture, Place ANTH 129MG – Behavioral Ecology of Hunter Gatherers ANTH 148 – Ecological Anthropology ANTH 162 – Prehistoric Food Production ARTHI 109I – Art and the Env in the Early Mod. Period COMM 160EC – Ecocultural Comm FEMST 128 – Witches, Nature, and Decolonial Healing GEOG 140 – Environmental Impacts in Human History GEOG 141A – Population Geography/Development GLOBL 161 – Global Environmental Policy and Politics GLOBL 174 – Global Perspectives on Env. and Society HIST 106A – Origins of Western Sci, Antiquity to 1500 HIST 106B – The Scientific Revolution, 1500 to 1800 HIST 178A – American Urban History HIST 179A/B – Native American History HIST 193F – Food in World History POL S 146 – Globalization and Politics POL S 170 – Public Policy Analysis POL S 177 – Comparative Environmental Politics RG ST 105 – Nature and the Human World RGST 128 – Religious Environmentalism in the Anthropocene: Asia & U.S. RGST 156 EE – Environmental Ethics SOC 105E – Environmental Sociology SOC 130ST – Development and its Alternatives SOC 130GR – Globalization and Resistance
--	---

Environmental Economics, Business, and Policy (BA degree)

AREA B	AREA C
ENVS 116 – Sustainable Communities ENV S 117 – Transition to Low Carbon Society ENV S 118 – Industrial Ecology: Designing for the Env ENV S 125A – Environmental Law * ENV S 130SD / SOC 130SD – World in 2050: Syst. Alt.	COMM 108 – Corporate Social Responsibility ECON 100B – Microeconomic Theory ECON 101 – Macroeconomic Theory ECON 114 – Economic Development ECON 174 – Negotiations

ENV S 130B – Global Tourism and Env. Conservation ENV S 130C – Aquatic Food and Resource Management ENV S 136 – Green Works: The Search for Sustainability ENV S 139 – Business and the Environment ENV S 163A/B – Global Water Resources ENV S 165A/B – Environmental Impact Analysis ENV S 172 – Waste Management * ENV S 175 / ECON 115 – Env Economics (prereq 10A) * ENV S 176 / POL S 176 – Energy Politics and Policy * ENV S 178 / POL S 175– Politics of the Env * ENV S 179 / ECON 122 – Natural Resources Econ ENV S 193CE – Reducing, Reusing, & Recycling ENV S 193SI – Sustainability and Innovation	ECON 176 – Experimental Economics GEOG 109 – Economic Geography GLOBL 123 / POL S 186 – International Political Econ GLOBL 130 – Global Economy and Development GLOBL 132 – Political Econ of Globalization of Finance GLOBL 136 – Global Economic Imbalances GLOBL 161 – Global Env Policy and Politics HIST 101MQ – Social History of Money and Debt HIST 172A/B– Politics and Public Policy in the U.S. HIST 174A/B/C – Wealth and Poverty in America PHIL 147 – Philosophy of Economics POL S 146 – Globalization and Politics POL S 162 – Urban Government and Politics POL S 170 – Public Policy Analysis TMP 120 – Fundamentals in Business Strategy TMP 122 – Entrepreneurship
---	--

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

AREA B	AREA C
ENV S 101 – Ecosystems Services and Biodiversity ENV S 103A – Flora and Vegetation in California ENV S 108W – Wildlife in America * ENV S 111 / GEOG 149 – California Channel Islands * ENV S 114A/B / GEOG 114A/B – Soil Science / Class * ENV S 119 / EEMB 119 – Ecology and Management of CA Wildlands ENV S 120A/B – Environmental Toxicology ENV S 125A – Principles of Environmental Law * ENV S 128 / EEMB 128 – Ecosystem Restoration ENV S 130B – Global Tourism and Env. Conservation * ENV S 133 / EEMB 133 – Biodiversity and Cons. Bio ENV S 134 – Coastal Processes and Management ENV S 137 – Conservation Planning ENV S 140 – Ecology and Management of Wildland Fire ENV S 143 – Endangered Species Management	CHEM 109A/B/C – Organic Chemistry CHEM 123 – Fundamentals of Environmental Chemistry EEMB 102 – Macroevolution EEMB 106 – Biology of Fishes EEMB 111 – Parasitology EEMB 112 – Invertebrate Zoology EEMB 113 – Vertebrate Biology, Ecology, and Evolution EEMB 118 – Entomology EEMB 120 – Introduction to Ecology EEMB 127/L – Plant Biology and Biodiversity EEMB 140 – General Plant Ecology EEMB 142A – Aquatic Communities EEMB 142B/C – Env Processes in Oceans and Lakes EEMB 144 – Marine Microbiology EEMB 145 – Terrestrial Microbiology EEMB 147 – Coral Reef Biology and Ecology

* ENV S 144 / GEOG 144 – Form, Process, and Human Use of Rivers ENV S 146 – Animals in Society * ENV S 152 / EEMB 152– Applied Marine Ecology ENV S 153 – Ecosystem Change in the Anthropocene ENV S 165A/B – Environmental Impact Analysis * ENV S 167 / GEOG 167 – Biogeography * ENV S 168 / EARTH 168 – Aqu. Transport of Pollutants * ENV S 171 / EEMB 171 – Ecosystem Processes ENV S 193ST – Sea Turtle Conservation and Mgmt	EEMB 148 – Ecology of Running Waters EEMB 152 – Applied Marine Ecology EEMB 153 – Ecology of Lakes and Wetlands EEMB 155CC – Global Change Biology EEMB 158 – Climate Change Impacts on Marine Eco. EEMB 159 – Tropical Ecology EEMB 168 – Conservation Ecology EEMB 179 – Ecological Modeling GEOG 112 – Environmental Hydrology GEOG 115A/B/C – Intro to Remote Sensing Series GEOG 132 – Coastal Pollution GEOG 158 – Intro to Marine Resources GEOG 160 – Ocean Remote Sensing GEOG 176A/B/C – Intro to Geographic Info Systems BA ONLY ANTH 103 – Human-Wildlife Interactions ANTH 153T – Primate Behavior PHIL 125 – Animal Minds RG ST 105 – Nature and the Human World
---	--

Environmental Education *(BA degree)*

AREA B	AREA C
ENV S 103A – Flora and Vegetation of California *ENV S 119 / EEMB 119– Ecology and Management of California Wildlands ENV S 127A – Foundations of Environmental Education ENV S 127B – Advanced Env Education and Practicum ENV S 129 – Ecopsychology *ENVS 136 / ED 136 – Green Works ENV S 137 – Conservation Planning ENV S 161 – Env Comm: Strategies and Tactics ENV S 167 – Biogeography *ENV S 173 / HIST 173T – American Env History ENV S 182 – Community and Personal Resilience ENV S 191 – Nature and Science Education Practicum	ANTH 108 – Educating the Native AS AM 157 – Asian Americans and Education AS AM 101C / BL ST 101C / CH ST 101C / FEMST 101C – Teaching 4 Social Justice CH ST 133 – Struggles for Equality in Chicana/o Ed ED 111 – Intro to Child and Adolescent Development ED 122 – Pre-professional Work in the K-12 Classroom ED 123 – Culture, Development, and Education ED 125 – Schooling in the U.S. ED 126 – Social Connectedness, Motivation, and Self-Regulation in Education ED 129 – CalTeach, Elementary Science Education ED 131 – CalTeach, Secondary Science Education

ENV S 193CE – Reducing, Reusing, & Recycling ENV S 193CS – “Citizen” & Community Science ENV S 193TK – Traditional Ecological Knowledge	ED 137 – Equity in STEM Education ED 146 – Community-Based Research and Outreach ED 150 – Teaching and Teachers ED 173 – Intro to Leadership Development GLOBL 174 – Global Perspectives on Env. and Society SOC 164 – Sociology of Education
---	--

Oceans – Fisheries Management and Protection *(BS or possibly BA degree)*

AREA B	AREA C
ENV S 101 – Ecosystems Services and Biodiversity *ENV S 108O / HIST 108O – History of the Oceans *ENV S 111 / GEOG 149 – CA Channel Islands *ENV S 119 / EEMB 119 – Ecology and Management of California Wildlands *ENV S 128 / EEMB 128 – Ecosystem Restoration ENV S 130B – Global Tourism and Env Justice ENV S 130C – Aquatic Food and Resource Management *ENV S 133 / EEMB 133 – Biodiversity and Conservation ENV S 134 – Coastal Processes and Management ENV S 135A/B – Principles of Env Planning ENV S 137 – Conservation Planning *ENV S 138 / ANTH 147 – Water and Society ENV S 141 – Chemistry of Global Change ENV S 143 – Endangered Species Management *ENV S 152 / EEMB 152 – Applied Marine Ecology ENV S 154 – Geographic Information Systems (GIS) For Environmental Applications ENV S 159 – Public Lands and Waters – Law and Policy ENV S 165A/B – Environmental Impact Analysis ENV S 193ST – Sea Turtle Conservation and Mgmt ENV S 193TW – Transboundary Water Sharing	EARTH 161 – Earth Resources, Energy, & Environment EARTH 164B – Earth System Ocean-Atmosphere EEMB 106 – Biology of Fishes EEMB 117 – Flow and Aquatic Ecosystems EEMB 134 – Biology of Seaweeds and Phytoplankton EEMB 142A – Aquatic Communities EEMB 142B/C – Chem/Env Oceans and Lakes EEMB 144 – Marine Microbiology EEMB 147 – Coral Reef Biology and Ecology EEMB 158 – Climate Change Impacts on Marine Eco. EEMB 163 – Deep-Sea Biology EEMB 165 – Field Studies in Marine Ecological Phys. EEMB 168 – Conservation Ecology EEMB 170 – Biology of the Marine-Land Interface EEMB 179 – Ecological Modeling EEMB 182 – Communicating Ocean Science EEMB 194GC – Global Change and Ecology EEMB 194ME – Marine Community Ecology GEOG 104 – Physical Geography of World’s Oceans GEOG 110 – Introduction to Meteorology GEOG 112 – Environmental Hydrology GEOG 132 – Coastal pollution GEOG 133 – Tropical Meteorology GEOG 158 – Introduction to Marine Resources GEOG 160 – Ocean Remote Sensing GEOG 163 – Ocean Circulation

	GEOG 165 - Waves and Tides in the Ocean GEOG 166 - Ocean Carbon Cycle and Climate BA ONLY
	ENGL 147OM - Ocean Media ENGL 142O - Ocean Humanities

Environmental Journalism and Communications *(BA degree)*

AREA B	AREA C
ENV S 102 - Qualitative Methods for Envl Studies *ENV S 122NE / ENGL 122NE -Nature and the Env ENV S 130B - Global Tourism and Env Justice ENV S 132 - Human Behavior and Global Env *ENV S 134EC / SOC 134EC - Earth in Crisis ENV S 145 - Climate Change Mitigation Strategies *ENV S 151 / ANTH 152 - Env Anthropology ENV S 161 - Env Comm: Strategies and Tactics *ENV S 173 / HIST 173T - American Env History *ENV S 176 / POL S 176 - Energy Politics and Policy *ENV S 177 / POL S 177 - Comparative Env Politics *ENV S 178 / POL S 175- Politics of the Env ENV S 180 - Global Environmental Movements ENVS 182 - Community and Personal Resilience ENV S 183 - Film, Representation, and the Env ENV S 186 - Development, Displacement, and Env. Just. ENV S 188 - Ethics in the Anthropocene ENV S 193PS - The Art of Public Speaking for the Env ENV S 193SI - Sustainability and Innovation	COMM 108 - Corporate Soc Responsibility (M qtr. only) COMM 148 - Risk Communication (M qtr. only) C LIT 186DF - Documentary Filmmaking & Democracy ENGL 122EA - Environmental Activism ENGL 122CM - Climate Media ENGL 143 - Media and Environment FAMST 166EM - Energy, Media, Culture FAMST 182 - Introduction to Env Media FAMST 183 - Film and Media of the Natural Env WRIT 105CH - Writing for Change WRIT 105S - Writing About Sustainability WRIT 107DJ - Digital Journalism WRIT 107J - Journalism and News Writing WRIT 126 - Journalism for the Web and Social Media WRIT 197EP- Writing for Env Professionals

Environmental Arts & Humanities *(BA degree)*

AREA B	AREA C
ENV S 103 - Nature Spirituality *ENV S 108O / HIST 108O - History of the Oceans ENV S 108W - People and Wildlife *ENV S 122NE / ENGL 122NE - Nature and Env	ARTHI 109I - Art and Env in the Early Modern Period ARTHI 136E - Food Space ARTHI 142D - Gardens, Land, and Landscape ARTHI 186Y - Seminar in Architecture and the Env

ENV S 129 – Ecopsychology	EACS 128 / RG ST 128 – Religious Environmentalism in the Anthropocene: Asia & U.S.
*ENV S 136O / ARTHI 136 O – Sustainable Architecture	ENGL 122CM – Climate Media
ENV S 146 – Animals in Society	ENGL 122EA – Environmental Activism
*ENV S 160 / ENGL 160 – American Env Literature	ENGL 122FC – Fictions of Climate Change
*ENV S 173 / HIST 173T – American Env History	ENGL 141 – Global Environmental Literatures
ENV S 183 – Film, Representation, and the Environment	ENGL 142O – Ocean Humanities
ENV S 184 – Gender and the Environment	ENGL 143 – Media and the Environment
ENV S 188 – Ethics in the Anthropocene	FAMST 118GS – Green Screen
ENV S 193AF – Ancestral Foods	FAMST 166EM – Energy, Media, Culture
ENV S 193TK – Traditional Knowledge	FAMST 166GG – Green Games
ENV S 193WL – Wild Literature in the Urban Landscape	FAMST 187OC – Oil Culture
	MUS 168T – Birds, Sonic Arts, and Envirosensitivities
	MUS 175P – Eco-Acoustic Arts
	PHIL 125 – Animal Minds
	RG ST 105 – Nature and the Human World
	RG ST 156EE – Environmental Ethics

* Denotes ES cross-listed courses that can be applied to either Area B or C, but not both

AGAIN, the above are just some examples of possible concentrations and you're welcome to create your own combination of courses around a unique theme. You just need to be able to justify the courses you take for your Area C via a Petition for Degree Requirements.

IF YOU HAVE ANY QUESTIONS AT ALL ABOUT THIS GUIDE, HOW TO CREATE CONCENTRATIONS, OR ABOUT YOUR MAJOR REQUIREMENTS, PLEASE CONTACT YOUR ES ADVISORS!

es.ucsb.edu/advising