

Info Session for New Majors

Download today's documents @ es.ucsb.edu/education

UC SANTA BARBARA **Environmental Studies Program**

Welcome FSSP & TE Students

Eric Zimmerman, Student Services Manager, Advisor, Internship Coordinator, 190 Instructor

Picabo Barrington, ES Advisor & UCSB Alumna

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Building a Movement: 50 Years of Environmental Studies at UCSB

Completed in 2020 this inspiring short documentary created by director Isaac

Hernández shares the 50-year history of University of California at Santa Barbar graduates. Watch it for free he

Learn more about the history of UCSB' history webpage at: https://w

Environmental Studies

University of California, Santa Barbara

805-893-2283 advising@es.ucsb.edu www.es.ucsb.edu/advising

It's been fifty-five years since Environmental Studies (ES) was established at UC Santa Barbara and it still holds true to its goal of offering students an interdisciplinary education while simultaneously evolving to meet the challenges of an ever changing world. The first graduating ES class in 1972 had only 12 students. In 1980 the total number of graduates rose to 871. Today, with more than 1,100 enrolled students and over 9,000 alumni, ES at UCSB is considered one of the oldest, largest and most successful undergraduate environmental programs in the world.

Environmental Studies integrates knowledge from the natural sciences, social sciences, and humanities to analyze the complex interactions between humans and the environment, with the aim of providing students with the scholarly background and practical skills needed to address pressing environmental challenges.

VIST THE ES WEBSITE to learn more: es.ucsb.edu

Our overview webpage at es.ucsb.edu/education offers resources to learn more about majoring in Environmental Studies, including:

- · Environmental Studies General Overview Info Packet (.pdf)
- Learn the differences between the B.A. vs B.S. degrees in ES (.pdf)

in the Environemntal Leadership Incubator, and much more!

- · Watch a recording of the latest ES Major Information Session (video)
- . Check out the ES Freshman Tool Kit video tips on registration, scheduling, progress check, advising • 27 Minute documentary titled: Building a Movement: 50 Years of Environmental Studies at UCSB

Visit es.ucsb.edu/student-programs to learn about our department internship program, studying abroad, field studies and research opportunities, completing a senior thesis, enrolling

The People page at es.ucsb.edu/people-page-new will inbroduce you to our 20+ faculty and tweleve environmental professionals who teach ES courses in their areas of expertise!

If you have questions please email advising@es.ucsb.edu and we will be happy to help!









Some Interesting Facts About Environmental Studies at UCSB:

Celebrating 55 years at UCSB! Recognized as one of the first undergraduate environmental programs in the country, the Environmental Studies Program at UCSB was established in 1970 as a new, innovative, interdisciplinary program to provide students with scholarly training and critical analysis skills to understand and solve complex environmental problems.

With 1,100+ majors, over 9,000 alumni, and offering over 100 courses covering a vast array of disciplines and topics, UCSB's Environmental Studies Program is one of the world's largest and most successful undergraduate environmental programs.

Offer both a Bachelor of Arts (B.A.) and Science (B.S.) degree in Environmental Studies and a third degree in (B.S.) Hydrologic Sciences and Policy. Multiple degree options provide students flexibility to select a major that most appropriately fits their environmental interests and long-term goals.

Over a third of all Environmental Studies majors graduate with a double major or official minor from UCSB.

Each year Environmental Studies awards dozens of scholarships totaling over \$40,000 to its students who are looking to further their learning beyond the classroom by conducting research under the guidance of a faculty member, participate in environmental internships or field studies programs, undertake a project related to civic and environmental leadership, or attend an academic conference or participate in a special creative activity and need financial support to do so. Visit the ES Scholarship page for more info: es.ucsb.edu/scholarships

In 2024-25 over 120 ES students studied abroad in 21 different countries through UCSB's Education Abroad Program (EAP). Dozens more participated in academic environmental field studies programs working as research associates and gaining valuable research experience while helping scientists in exotic locations such as the Amazon, South Africa, Himalayas, Australia, Thailand, Chile, and Alaska

The Environmental Studies Internship Program is one of the largest department internship programs on campus. ES faculty consider internships a vital bridge between academic course work and practical applications and each year over 130 ES and Hydrologic Sciences students receive academic credit while completing internship positions locally, statewide, nationally, and internationally. es.ucsb.edu/internships

ES is home to the UCSB Environmental Leadership Incubator (ELI), a nine-month program that trains undergraduate students to become environmental leaders. The ELI program is organized around student-initiated projects that seek to implement positive environmental change. It combines coursework and leadership skills training in the fall quarter, with project implementation and mentorship by real world professionals in the winter and spring quarters. eli.ucsb.edu

Environmental Studies is located within Bren Hall, the "greenest" laboratory building in the UC system and the first in the United States to receive a quadruple platinum LEED rating for design and sustainability.

> 'd the second greenest university in the U.S. by national publication Gre rate, goal to be zero waste by 2025, use of greywater for landscaping, and igs. Sierra Club Magazine consistently ranks UCSB in it's top ten annual ils" in recognition of the campus effort to solve climate problems and oper

I Studies alumni have succeeded in a vast and diverse array of careers in itific, and non-profit sectors across California, the United States, and arour

Welcome From The Chair:

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

BERKELEY . DAVIS . IRVINE . LOS ANGELES . MERCED . RIVERSIDE . SAN DIEGO . SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

Welcome to UCSB! We are thrilled to have you join our vibrant and dynamic community of researchers, teachers, and environmental stewards. As you embark on this exciting journey in Environmental Studies, you are stepping into a field that is critically important to the future of our planet.

The Environmental Studies Program's mission is to educate students to become agents for change for a healthy and just environment. Nestled between the Santa Ynez Mountains and the Pacific Ocean, Santa Barbara provides an unparalleled natural laboratory for studying the environment. Our unique location offers you the chance to explore diverse ecosystems, from coastal habitats and marine environments to mountainous terrains and urban green spaces. Our program is designed to be interdisciplinary,

drawing on insights from the natural sciences, social sciences, engineering, and humanities. From climate change and biodiversity loss to sustainable development and environmental justice, your coursework and experiences here will equip you with the knowledge, skills, and perspectives needed to make a meaningful impact. Moreover, you will have the opportunity to engage in hands-on learning, research, and community projects that will deepen your understanding of environmental issues and prepare you for a wide range of careers.

In addition to your academic pursuits, we encourage you to get involved in the many extracurricular activities and organizations dedicated to environmental advocacy and sustainability on campus and in Santa Barbara. Whether it's joining the AS Environmental Affairs Board, pursuing an internship through the Environmental Studies Internship Program, or attending events hosted by UCSB Arts and Lectures, there are numerous ways to connect with like-minded peers and contribute to our campus and community sustainability initiatives. As you begin this new chapter, remember that your professors, advisors, and peers are here to support you every step of the way. Getting to know your ES professors and ES advisors by talking to then after class or meeting with them during office hours is a first step to building relationships that will serve you during your entire time at UCSB. Together we can create inclusive and collaborative learning and social environments where you can thrive, both academically and personally.

The Environmental Studies Program at UCSB was established in 1970, becoming one of the first interdisciplinary environmental programs in the United States. The program was born out of the growing environmental consciousness of the 1960s, particularly following the 1969 Santa Barbara oil spill, which, at the time, was one of the worst environmental disasters in U.S. history. This incident galvanized students and faculty to push for a program that would address environmental challenges and prepare students to become leaders in the field.

Welcome to our community and know you are walking a path that over 9,000 students have walked before you!

Simone Pulver Associate Professor and Chair, Environmental Studies Program

Faculty Director, Center for Undergraduate Environmental Leadership

View past ES Chairs' welcome letters at es.ucsb.edu/chairs-welcome or as a .pdf.

Courses

Building a Movement

Environmental Studies Course #'s and Titles 13 Climate Change Mitigation Strategies Introduction to Environmental Science Animals in Society: Ethical Issues of Animal Use Introduction to the Social and Cultural Environmen Air Quality and the Environment 15A&B. Environmental Chemisty Series with Lab Transforming Food Systems Quantitative Thinking in Environmental Studies Food, Agriculture, and the Environment Introduction to Environmental Economics Agroecology Critical Thinking & Evidence Based Reasoning in Env. 151. Environmental Anthropology Applied Marine Ecology Bending the Curve: Climate Change Solutions Applied Ecology Ecosystem Change in the Anthropocene Introduction to Environmental Ethics Geographical Info Systems for Env. Applications The Built World: Infrastructure & Env. Change Pathways to Sustainable Water Infrastructure 154. Intro to Ecological Restoration Field Skills Intro to Curation of Natural History Collection Introduction to Research in Environmental Studies America's Public Lands & Waters - Law & Policy Qualitative Methods in Environmental Studies Environmental Communications: Strategies/Tactics 103. Nature Spirituality 103A. Flora and Vegetation of CA Environmental Water Quality Global Water Resources: Water Supply & Demand 105. Renewable Energy Systems 163B. Global Water Resources: Water Management Policy 108O. History of Oceans Intro to Collecting, Wrangling, & Exploring Water Data
 165A&B. Env. Impact Analysis & Advanced Impact Analysis 108W. Wildlife in America The California Channel Islands Biogeography: Plant & Animal Distribution Aqueous Transport of Pollutants World Population, Policies, and the Environm Engineering and Environmental Geology Tracer and Contaminant Hydrology 114A&B. Principles of Soil Science & Soils of California Ecosystem Processes Waste Management: Recycling/Product Stewardship Energy and the Environment Sustainable Communities American Environmental History Transition to Low Carbon Society
Industrial Ecology: Designing for the Environment Environmental Economics Energy Politics and Policy 119. Ecology & Management of CA Wildlands 120A&B. Intro Env. Toxicology & Advanced Env. Toxicology 176A&B. Water Policy in the West & Adv. Study of Water Comparative Environmental Politics Politics of the Environment Contaminants of Emerging Concern
 Lultural Rep.: Nature and Environment 178. Natural Resource Economics Global Environmental Moveme 125A. Principles of Environmental Law 125B. Climate Change Law Power, Justice, and the Environment 127A. Foundations of Environmental Education Seminar in Community & Personal Resillience 127B. Advanced Environmental Education and Praticum Film, Representation, and the Environment Foundations of Ecosystem Restoration 184. Gender and the Environ Ecopsychology Human Environmental Rights
Development, Displacement, and Environmental Justice 130A. Un-naturalizing Disasters: Risk, Vulnerability, Resillience 130B. Global Tourism and Environmental Conservation 130C. Aquatic Food and Resource Management 130SD. The World in 2050: Systematic Alternatives Green Building Design & Opperations The Ethics of Human-Environment Relations Colloquium on Current Env. Topics & Careers International Environmental Law and Politics Human Behavior and Global Environment Nature and Science Education Practicum Internship in Environmental Studies 133 Biodiversity and Conservation Biology 193AF Ancestral Foods Coastal Processes and Management 193CE. New Perspectives: Reducing, Reusing & Recycling 134CJ. Climate Justice 193CS. People's Science: Into to "Citizen" & Community 193DS. Advanced Statistics and Data Science & Env. 193EB. Ethnobotany: Human Use of Plants 134FC. Farth in Crisis 135A&B. Principles of Env. Planning & Advanced Env. Planning Green Works - Exploring Technology/Sustainability 193PS. The Art of Public Speaking for the Environmen 19351. Sustainability and Inovation 1935T. Sea Turtle Conservation and Management 193TK. Traditional Ecological Knowledge 136O. Sustainable Architecture: History & Aesthetics Conservation Planning Water and Society 193TW. Intro to Transboundary Water Sharing 194GB. Green Building Living Lab Business and the Environmen Ecology and Management of Wildland Fire Chemistry of Global Change Microbes and the Human Environment Endangered Species Management 195ABC. Environmenta 197. Senior Thesis i Independent In

199RA. Independent St

Form, Process, and Human Use of Rivers

Detailed course descriptions and syllabi available online at: www.s

The tables below serves as a scheduling aid to help plan one's academic program. While it's not mandatory to follow this schedule, it's designed to help satisfy the degree requirements within 4 years. Please see an ES Academic Advisor to assist you with creating your own personal schedule.

Visit the ES Degrees Webpage to download the complete 4 year Plan handouts: es.ucsb.edu/degrees Δ = a required course offered once a year and during that specific quarter (not including Summer).

Suggested Four Year Schedule for Environmental Studies Majors

	FALL qtr.	WINTER Qtr.	SPRING Qtr.	SUMME	R SESS	ION(S
YEAR 1	ES 1 A	ES 3 A	ES 2 A	Je .	(Optional)	241
	Math 34A or 3A or 2A	Math 34B, 3B, 2B or ES 25 (sp)	Econ 1 or 2 or 9 or ES 30 (fall)			
	<< Choose one course from	Culture & Society list: Anth 2, Geo	g 5, Global St. 1, 2 etc>>>			
YEAR 2	ES 60 Δ or MCDB 1A/1LL Δ + EEMB 2 in Winter qtr.	Chem 1A/2AL or ES 15A Δ	Chem 1B or ES 15B/BL A			
	Any one from: Geog 3, 4 or Earth 2, 4, 20	S 40 (fall, wt, or possible sp) >>	Pstat 5A or 5LS or Econ 5			
	ES 190 (1 unit F or S)	<< Choose one course from Et Femst 50, Ling 50, Phil 4 or Pol	hier & Austice list: ES 70, Blst 4, s 1 >>>			
	<< Choose one course from	Policy & Politics list: Hist. 5, 7, Po	di Sci. 6, 7, 12>>>			
YEAR 3	One course from Area A's ES Cluster #1, #2, or #3	One course from Area A's ES Cluster #1, #2, or #3	One course from Area A's ES Cluster #1, #2, or #3			
	ES Elective #1	ES Elective #2	ES Elective #3			
		Outside Concentration #1	Outside Concentration #2			
YEAR 4	Outside Concentration #3	Outside Concentration #4	ES Elective #7	-	=	
YEAR 4	ES Elective #4	ES Elective #6	ES Elective #7	-	_	
	ES Elective #5	ES Elective #6			_	
	(Senior Thesis Optional) A					

YEAR 1	ES 1 A	ES 3 A	ES 2 A	I* (Optional) 2**
	Chem 1A	Chem IB/2AL	Chem IC/2BL	
	Math 3A or 2A A	Math 3B or 2B A	One course from Ethics &	
			Justice: ES 70, Blat 4, Ling 50, Femat 50, Phil 4 or Pols 1 >>	
YEAR 2	MCDB (bio) 1A Δ	MCDB (bio) 1B Δ + ILL Δ	EEMB (bio) 3 Δ + 2LL Δ	
	Pstat 5A or 5LS or Econ 5	EEMB (bio) 2 A	<<< ES 40 (fall, wt, or sp)>>>	
	ES 190 (1 unit any qtr.)	Any one from: Geog 3, 4 or Earth 2, 4, 20	Econ 1 or 2 or 9 or ES 30 (fall)	
	<<< Choose one course from	Culture, Society, Policy & Politics	list: Anth 2, Geog 5, 7, etc>>>	
YEAR 3	Physics 6A/AL or 7A	Physics 6B/BL or 7B	Physics 6C/CL or 7C/CL	
	One course from Area A's ES Cluster #1, #2, or #3	One course from Area A's ES Cluster #1, #2, or #3	One course from Area A's ES Cluster #1, #2, or #3	
	ES Elective #1	ES Elective #2	Outside Concentration #1	
	coc One U.D. state/modeling	course: ES 164, 193DS, Georg 17	2, EEMB 146, 179, Patat 120A >>>	

	<<< One U.D. state/modelin	g course: ES 164, 193DS, Geog 1	72, EEMB 146, 179, Patat 120A >
YEAR 4	Outside Concentration #2	Outside Concentration #3	Outside Concentration #4
	ES Elective #3	ES Elective #5	ES Elective #7
	ES Elective #4	ES Election 86	ES Election #8

Environmental Studies, UCSB

2025-26 Proposed Schedule of Courses

WARNING! This list of courses is the most up-to-date for the coming year - but not set in stone!

Schedule changes may still occur prior to the start of each quarter. See an ES Advisor or visit the ES Courses webpage for regular updates and list of course descriptions and prerequisites (www.es.ucsb.edu/courses).

ES Requirement FALL '25 Course Title Pede Introduction to Environmental Economic Critical Thinking & Evidence-Based Reasonin 60 95 101 102 Applied Ecology Stratton Intro. Feedorical Restoration Field Skills Grav Qualitative Methods in Env. Studies Holzer * 114A Intro to Soil Science Pulver Transition to a Low Carbon Society Por129 Ecopsychology Un-naturalizing Disasters, Risk, Vulnerability. Res McCauley * 133 Biodiversity & Conservation Biology Transforming Food Systems Hoelle 151 Environmental Anthropology Schmitt Pathways to Sustainable Water Infrastructure Public Lands Law & Policy Athanassakis Literature of Animals, Food, and the Environmen 165A Environmental Innact Analysi Aqueous Transport of Pollutants * 171 Schimel Ecosystem Processes Mildenberger Comparative Enironmental Politics Politics of the Environment Pellow Power, Justice and the Environment Kaysen 187 190 191 Intro to Green Buildings Current Topics in Env. (Env. Careers - 1 unit) Nature and Science Education Practicum Env. Leadership Incubator (same students - 3 qrts) 197 ES Senior Thesi

	Pellow		3	Intro. Social & Cultural Environments	
	Holzer		15A	Environmental Chemistry I	* Denotes course is cross-listed with a 2
	Martin		40	Critical Thinking & Evidence-Based Reasoning	dept. Review course descriptions at:
	Sideris		70	Intro to Environmental Ethics	https://my.sa.ucsb.edu/catalog/Current
	Stratton		95	Intro. Ecological Restoration Field Skills	
	Seltmann	٠	96	Intro. Curation Natural History Collections	B-1 Course satisfies the B-1 elective section
New	Shamasunder		104	Environmental Health, Inequality, and Justice	for Env St. B.S. major.
	Martin	٠	108O	History of Oceans	??? Uncertainty if the course will be offers
	Alagona		108W	Wildlife in America	111 Oncertainly if the course will be typere
	Geog Assoc	٠	111	CA Channel Islands	8-1
	Holzer	٠	114B	Advanced Soil Science	B-1

Krop

130B Global Environmental Tourism

OVER >>> 125A Introduction to Environ

ENVIRONMENTAL STUDIES MAJOR REQUIREMENTS: B.A. vs. B.S.

LOWER-DIVISION FOR THE MAJOR (generally 1st and 2nd years)

Required Courses for Both B.A. and B.S.		UC	UCSB Course(s)	
Four introductory courses in Environmental Studies		Envs 1, 2, 3 and Envs 40		
One intro micro, macro	o, or general/environmental Economics	Ecor	1 or 2 or 9 or Envs 30	
One general or physica	d Geography or Earth Science	Geo	g 3 or 4 or Earth Sci. 2 or 4 or 20	
One introductory Statis	stics	Pstat	5A or 5LS or Econ 5	
One introductory Ethic	s & Justice		s 70 or Blkst 4 or Femst 50 or Lingst 50 or 4 or Pols 1	
Different Lower-div	rision Requirements: B.A. vs. B.S.			
	B.A.		B.S.	
Culture & Society	One course from broad list of options		One course from a combined list of Culture	
Policy & Politics	One course from list of options		Society and Policy and Politics courses	
Math (calculus)	Two quarters: Math 34A or 2A or 3A and Math 34B or 2B or 3B or Envs 25 (Ouantitative Thinking in ES)		Two quarters of Calculus w/applications: Math 3A-B (or 2A-2B)	
Biology and Ecology General Three courses of intro Ecology/Bio: Envs 60 or MCDB IA-1LL and EEMB 2.			Four courses of fundamental Biology w/2 labs; MCDB 1A-1B-1LL and EEMB 2-2LL-	
		Three courses of Intro Chemistry + two labs Chem 1A-1B-1C and 2AL and 2BL		
			Three quarters of introductory Physics: Phys 6A-AL, 6B-BL, 6C-CL or 7A, 7B, 7C-C	
	Total Lower-division Units = 71 to 78.5		Total Lower-division Units = 97 to 99	

	UPPER - DIVISION FOR THE MAJOR (3rd and 4th years)						
Area	Bachelor of Arts (B.A.)	Bachelor of Science (B.S.)					
A	13 units of Required Upper-division ES courses: ENVS 190 (one unit seminar) and one course from each of three themed clusters of ES courses.	17-18 units of Required Upper-division ES courses: ENVS 190 (one unit), and one course from each of three clusters of ES courses, and an additional upper-division statistics, data science, or modeling course.					
В	28 Upper Division ES Elective units: Any Environmental Studies courses #100-199 not used to satisfy Area A for a total of 28 units.	32 Upper Division ES Elective units from two sections: • B-1: 20 UD ES units which must be taken from a list of environmental "science" courses (see major sheet) • B-2: 12 units from any ES course #100-199 not already used to satisfy the 20 units in B-1 or Area A					
С	18 Unit Outside Concentration: Complete any 16 upper-division units from any one College of L&S department or program (double major or official minor will satisfy this area). OR Choose an interdisciplinary concentration of courses from more than one department forming a coherent environmental emphasis of their choice. Students can use courses from any department/porams or abroad.	16 Unit Outside Concentration: Complete any 16 upper-division units from one of the following STEM departments (dbl. mjr. or minor o.k.): Brain Science, Chemistry, EEMB and/or MCDB (bio), Geography, Earl Sei, Mash, Statistics, or Physics. OR Choose an interdisciplinary concentration of courses from one or more of the departments listed above, forming a coherent environmental emphasis of choice.					
By petition, upper-division Study Abroad or Environmental Field Studies units may be transferred and applied to							

satisfy part or the entire Area C - Outside Concentration. Up to 12 abroad units may also apply to the Area B Electives. Total Upper-division Units = 57 Total Upper-division Units = 65 to 66

(Sr. Thesir Optional) A

Environmental Studies Course Schedule Worksheet

Year	FALL Qtr	WINTER Qtr	SPRING Qtr	SUMMER SESSIONS
	ENV S 190			
	ENV S 1 or 30 or 60 ?			

____ ENVS 190 = required one unit colloqium/guest lecture course offered Fall, Winter, & Spring qtr, pass/no pass only

Notes. Petitions. GE	Requirements, etc.
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If yo're a B.S. major and still need CHEM start with CHEM 1A in Fall!

If you still need to take Math 3A (2A) you first need to take the UCSB Math Placement Exam (MPE) online before registering.

UC SANTA BARBARA

Environmental Studies Program

About People Undergraduate Graduate Student Programs Resources Stay Connected News & Events

Undergraduate Education

An Overview

es.ucsb.edu/education

Environmental Studies integrates knowledge from the natural sciences, social sciences, and humanities to analyze the complex interactions between humans and the environment, with the aim of providing students with the scholarly background and practical skills needed to address pressing environmental challenges.

Students have the opportunity to explore a wide variety of environmental issues, including air/water pollution, animal rights, climate change, coastal processes, ecosystem restoration, endangered species, environmental ethics, environmental film and literature, environmental justice, environmental law, policy and politics, groundwater management, marine and terrestrial food systems, renewable energy, toxicology, forest management, traditional environmental knowledge, waste management, and urban and regional planning, just to name a few. However, students are also challenged to acquire in-depth expertise in specific topics of their choosing. Finally, students acquire hands-on skills through courses in critical thinking, environmental careers, environmental impact analysis, Geographic Information Systems (GIS), leadership, public speaking, professional writing, and research methods.

Throughout their training, students interact with the core faculty in Environmental Studies, faculty from the diversity of environmentally-related departments and disciplines throughout UC Santa Barbara, as well as practicing environmental professionals from the local community.

Here are some dedicated resources to help one learn more about majoring in Environmental Studies:

- General Overview Info Packet about Environmental Studies at UC Santa Barbara (.pdf)
- Learn more about the B.A. vs B.S. degrees in Environmental Studies (.pdf)
- Watch recording of latest ES Major Information Session (video)
- ES Freshman Tool Kit video tips on registration, scheduling, progress check, advising (.pdf of slides)
- Watch the documentary: Building a Movement: 50 Years of Environmental Studies at UCSB (27 minute video)



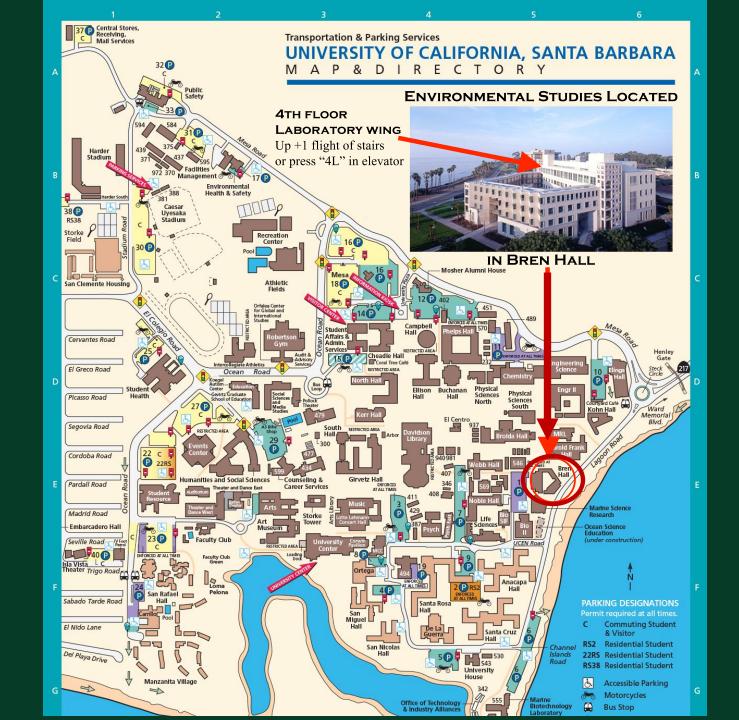
Building a Movement: 50 Years of Environmental Studies at UCSB

6,691 views • 5 years ago



Sparked by the first image of the Earth from the moon and the 1969 Santa Barbara Oil Spill, a movement was born. In its wake, the first University of California program of its kind was founded at UCSB. This inspiring documentary (USA, 28:26 minutes) by director Isaac Hernández explores the 50-year history of the multidisciplinary Environmental Studies Program at the University of California Santa Barbara ...more

Transcript



How it all started!!!!

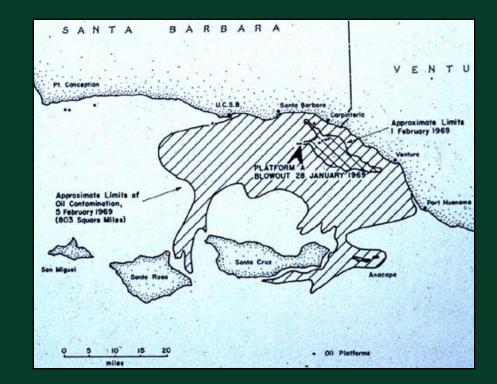
Santa Barbara Blowout!

January 28, 1969

"UCSB was within sight and smell of the littered channel and its beaches."







THURSDAY, OCTOBER 1, 1970

UCSB DAILY NEXUS

Environmental Studies Department serves as model for universities across the nation

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By MIKE CALLAHAN

UCSB has embarked upon an academic endeavor that could be unparalled across the country and may come to serve as a model for colleges and universities nationwide. This quarter marks the initiation of a new major in Environmental Studies which hopes to attack the complex problems caused by man's abuse

and ignorance of the delicate

Much of the credit for making this program a reality is due to Associate Professor Roderick Nash, an acclaimed defender of our wilderness and American historian. Nash, author of the Santa Barbara Declaration of Rights, chaired the Chancellor's Committee on Environmental Studies which began the groundwork for the new major last spring.

complex to follow traditional departmental lines Nearly all disciplines can and must contribute to their solutions.

Problem oriented study rather than pure research is another reason this new major is unique. Students in ES courses will learn the factual knowledge only necessary to afford them the background needed to study and understand specific environmental problems. A final novel facet of the program is that the classes will be team taught by sholars who are specialists in the many fields involved in this type of study.

As an example, Environmental Studies I, being offered this quarter, will be taught by a chemist, a geologist, a geographer and a physicist. The course is entitled "Introductory Physical Environment" and will be coordinated by Chemistry

most closely related to physical sources. Some of the areas to be

begin in 1971-72. I meantime, a full complex

UCSB has embarked upon an academic endeavor that could unparalled across the country and may come to serve as a model for colleges and universities nationwide. This marks the quarter initiation of a new major in Environmental Studies which hopes to attack the complex **problems** caused by man's abuse and ignorance of the delicate system of nature.

51 years later UCSB's Environmental Studies Program is considered one of the first, oldest, largest, and most successful undergraduate environmental programs in the world!



ENVIRONMENTAL STUDIES — SITTING: Garrett Hardin, Cynthia Sage, Janet Adelson, Marc McGinnes. STANDING: Nancy Fracer, A. H.

Schuyler, Ruthann Corwin, Orrin Sage, Terry Tredway, Roderick Nash.

UCSB Yearbook, 1976



What is Environmental Studies at UCSB

"The symptoms of environmental deterioration are in the domain of the natural sciences, but the causes lie in the realm of the social sciences and humanities."

- David W. Orr - "Ecological Literacy"

Simply put:

Today's environmental problems are highly complex interdisciplinary issues involving political, economic, social, physical and biological considerations.

Environmental Studies is the systematic study of human interaction with the natural environment.

What Can I Do With a Degree in ES?

Statistics from the 2016 ES Alumni Survey

- 90.2% were presently employed (dozens retired, 58 in grad school and only 38 looking for work)
- 67% classified their employment as an "environmental career/job"
- If employed, which general employment area best fit their current job description?

Field	Total # Alumni	% of 1,124 total replies
		_
Academia/ Education	132	11.8%
Private Sector	494	44%
Local Government/Regional	136	12.1%
Government		
State Government	61	5.4%
Federal Government/ Tribal	54	4.8%
Government		
Non Profit/ NGO	176	15.6%
Self Employed	71	6.3%

Statistics from the 2016 ES Alumni Survey (1140 responses)

Annual Salary	Total # Alumni	% of 1,086
\$0 to \$20,000	113	10.4%
\$20,000 to \$40,000	149	13.7%
\$40,000 to \$60,000	227	20.9%
\$60,000 to \$80,000	193	17.8%
\$80,000 to \$100,000	135	12.5%
\$100,000 to \$120,000	119	10.9%
\$120,000 to \$140,000	53	4.8%
\$140,000 +	97	9.0%

67.7% additional schooling				
# Grad School (M.A., Ph.D., etc) 199 64.2%				
21 Ph.D's, 42 JD's, 13 MBA's, 12 MPA, 2 DVM, 1 MD, 31 M.A. Planning, 8 M.S. etc				
# Certificate/Credential Programs	92	29.7%		
# Associate or 2nd Bachelors degree	10	3.2%		

Example Job Titles: Architect **Ecologist** Senior Env. Engineer **Associate Professor** Air Pollution Specialist Photo Interpreter/GIS Battalion Chief, Forest Service Park Superintendent, NPS Asst. Sec of Resources, CA Senior Planner Teacher Director of Conservation President, Rincon Consulting



Who is Environmental Studies at UCSB

- 18 Ladder Faculty (Anthro, Ecology, Economics, Geology, Geography, History, Sociology...etc.)
 - >>> Including two prestigious Endowed Chair Positions
- 13 Affiliated Faculty (Classics, Econ, EEMB, Geography, Political Science, Anthropology, English)
- 10 12 Lecturers (Env. Professionals: Waste Management, Env. Education, Env. Law, Planning, Water Policy, ...etc.)
- 7 Staff (Academic Advisor/Internship Coordinator, MSO, and Office Staff....)

ES Faculty!

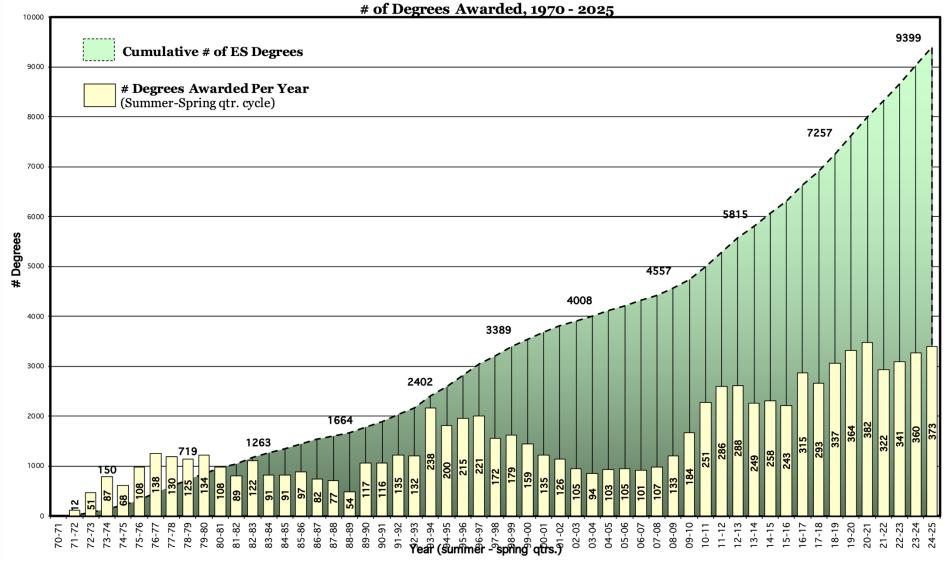
www.es.ucsb.edu/people



- Includes 2 Academic Advisors (Tara + Eric)
- 25-30 TA's (Graduate students from multiple departments)
- 9,399 Graduates, ~ 950 current undergrads
- Very active and supportive alumni
- Over \$40,000 in ES Scholarships each year
- Best Advising Team on campus!



ENVIRONMENTAL STUDIES PROGRAM, UCSB





Majors Offered:

Three degree options:

All designed to be <u>interdisciplinary</u> and use topics from multiple disciplines, including:

- Social Science
- Natural + Physical + Life Sciences
- Humanities



Majors Offered:

Three degree options:

• B.A. Environmental Studies (3/4 of majors)

Most flexible – Science literate

B.S. Environmental Studies (1/4 of majors)

Interdisciplinary but with strong Natural & Physical Science foundation

B.S. Hydrologic Sciences & Policy (~20 students)

Occurrence, circulation, distribution and properties of water, with three emphases: Biology/Ecology, Earth Science/Chemistry, or Policy



Majors Offered:

Three degree options:

• B.A. Environmental Studies

Env. Law, Planning, Education, Policy & Politics, Business, Sustainability, Waste Management, Consulting....

• B.S. Environmental Studies

Air/Water Quality, Env. Health or Toxicology, Habitat/Ecosystem Restoration, Soil Science, Wildlife Biologist/mgt...

B.S. Hydrologic Sciences & Policy

Water Quality Specialist, Consulting, Water Resource Manager, Conservation Planner, Education....

Strengths of the ES Curriculum:



- Integrate training in social and physical sciences
- Maximum Flexibility Built on Solid Foundation
- Offer both Academic & Hands-on/Practical Education
 - 1/3 courses taught by Real World Env. Professionals
 - Large number of field and lab courses
- Encourage Education "Outside UCSB"
 - Study Abroad (EAP or other programs: Semester at SEA, Global Routs)
 - Field Studies Programs (Wildlands Studies or School for Field Studies)

- ES Internship Program (ENVS 192)
 - Academic Credit while obtaining "real world" experience
 - Local (over 100 agencies), Statewide, National, and International
- ES Senior Thesis Course (ENVS 197)
 - Capstone course, unique opportunity to develop "professional" skills
- Environmental Leadership Incubator (ELI)
- ES Independent Studies / Research Assistant
 - ENVS 99/199/199RA
- Vast Alumni Network
- Faculty Who Care!



Visit ES Website for Worksheets!

www.es.ucsb.edu/degrees

Includes: BA vs BS, Major Worksheets, 4 Year Plans + GE's, Guide to Outside Concentration + Video, etc.

through a series of interdisciplinary lower di emphasize integrated thinking across the na



What's the Difference Between the B.A. and B.S. Degree in ES?

8.1.2

If you're thinking about pursuing Environmental Studies (ES) at UC Santa Barbara the first important decision you have to make is choosing which degree to pursue, the Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) in Environmental Studies. While both majors are similar in design and stress the importance of understanding the complex interrelationships between the humanities, social sciences, and natural science disciplines, having two degree options allows students maximum flexibility to choose a major that best fits their environmental interests and long-term goals. In this document we provide a detailed comparison of the academic requirements of the B.A. and B.S. major so one can understand the differences and can make an educated decision. Given your decision will also be based on what you want to do after graduation we thought it might be helpful to also highlight just a few example career paths each degree might lead to. Just remember, no matter which major you choose, your decision should be based on what you believe will ultimately make you happy.

Simply put, the B.A. degree in ES is the more interdisciplinary major, requiring a swath of introductory courses in the humanities, social, physical, and natural sciences. It stresses the importance of comprehending basic social, cultural, and scientific theories and understanding how they interact with one another and play an important part of every environmental issue. While this degree will make one science literate, the degree offers maximum flexibility to select ES electives and outside concentration courses from just about every academic discipline at UCSB, including: arts, policy, culture, languages, humanities, and economics to name just a few.

The goal of the B.S. degree in ES is to train students to become proficient in the natural and physical sciences while still being aware of and understand the important role social and cultural influences have on addressing today's environmental problems. The major curricular differences from the ES B.A. degree are an increased number of chemistry, calculus, biology and physics courses required in the lower-division and the majority of ES electives and the outside concentration requirements are focused on the physical and natural science disciplines. This is done to enhance the B.S. student's ability to apply scientific concepts in solving environmental problems. Please see the other side for a comparison of the B.A. vs. B.S. degree requirements.

What are the general employment differences between B.A. and B.S. majors?

Employment options vary widely depending on individual coursework taken by each student. However, as some career fields are heavily dependent on a strong scientific background those who pursue the B.S. degree would be more qualified for certain scientific/rechnical opportunities. B.S. majors tend to enter fields where the use of science is instrumental and experience with field and laboratory techniques is preferred. B.A. majors often develop a higher degree of writing proficiency and general communication skills and pursue opportunities dealing with interdisciplinary social, political, and economic issues such as planning and law. Below are just a few example careers one might pursue based on the ES degree chosen:

ı	B.A. Degree	Both	B.S. Degree
ı	Urban/Regional Planning	Environmental Education	Pollution Monitoring, Control and
ı	Green Business	Environmental Policy	Prevention
ı	Environmental Law	Sustainable Agriculture	Waste Management Specialist
ı	Non-government Organizing	Environmental Consulting	Environmental Toxicology/Health
ı	Energy Consultant	Environmental Health and	Field Scientist/Technician
ı	Environmental Justice	Safety Management	Conservation/Restoration Biology
ı	Environmental Media,	Local/State/National	Renewable Energy Designer
ı	Communication Specialist	Government	Natural Resource Management
ı	Sustainability Management	Computing and	Environmental Engineering
ı	Environmental Economist	Information Technologies	- Soil Scientist
ı	Parks/Recreation Management	Environmental Activism	Wildlife Biologist/Management Environmental Risk Assessment
ı	Waste Management	Landscape Designer/	- Air Quality Specialist
ı	Environmental Historian	Architect	rin Quanty operanor

Note: When thinking about environmental jobs remember the above is an overall generalization. There's a lot of overlap between the two degrees and there are many examples of ES B.A. alumni securing "science" jobs and B.S. grads becoming lawyers and businesswomen.

Major Requirements (20% double major):

B.A. and B.S. in Env. Studies

B.S. in Hydro. Sci. & Policy

BA Degree	Both	BS Degree
Urban/Regional Planning	Environmental Education	Pollution Monitoring, Control and
Green Business	Environmental Policy	Prevention
Environmental Law	Sustainable Agriculture	Waste Management Specialist
Non-government Organizing	Environmental Consulting	Environmental Toxicology/Health
Energy Consultant	Environmental Health and	Field Scientist/Technician
Environmental Justice	Safety Management	Conservation/Restoration Biology
Environmental Media,	Local/State/National	Renewable Energy
Communication Specialist	Government	Designer/Professional
Sustainability Management	Computing and	Natural Resource Management
Environmental Economist	Information Technologies	Environmental Engineering
Parks/Recreation Management	Environmental Activism	Soil Scientist
Waste Management	Landscape Designer/	Wildlife Biologist/Management
Environmental Historian	Architect	Environmental Risk Assessment

ENVIRONMENTAL STUDIES MAJOR REQUIREMENTS: B.A. vs. B.S.

LOWER-DIVISION FOR THE MAJOR (generally 1st and 2nd years)

Required Courses for	r Both B.A. and B.S.	UCSB Course(s)	
Four introductory cours	es in Environmental Studies	Envs 1, 2, 3 and Envs 40	
One intro micro, macro,	or general/environmental Economics	Econ 1 or 2 or 9 or Envs 30	
One general or physical	Geography or Earth Science	Geog 3 or 4 or Earth Sci. 2 or 4 or 20	
One introductory Statist	ics	Pstat 5A or 5LS or Econ 5	
One introductory Ethics	& Justice	Envs 70 or Blkst 4 or Femst 50 or Lingst 50 or Phil 4 or Pols 1	
Different Lower-divi	sion Requirements: B.A. vs. B.S.		
	B.A.	B.S.	
Culture & Society	One course from broad list of options	One course from a combined list of Culture	e &
Policy & Politics	One course from list of options	Society and Policy and Politics courses	
Math (calculus)	Two quarters: Math 34A or 2A or 3A and Math 34B or 2B or 3B or Envs 25 (Quantitative Thinking in ES)	Two quarters of Calculus w/applications: Math 3A-B (or 2A-2B)	
Biology and Ecology	One or Three courses of intro Ecology/Bio Envs 60 or MCDB 1A-1LL and EEMB 2	io: Four courses of fundamental Biology w/2 labs: MCDB 1A-1B-1LL and EEMB 2-2LI	L-3
Chemistry	Two courses + One lab: Chem 1A-1B-2Al Envs 15A and 15B-BL (Env Chem series)	,	os:
Physics	None	Three quarters of introductory Physics: Phys 6A-AL, 6B-BL, 6C-CL or 7A, 7B, 7C-	CL

Total Lower-division Units = 71 to 78.5

Total Lower-division Units = 97 to 99

UPPER - DIVISION FOR THE MAJOR (3rd and 4th years)

	UPPER – DIVISION FOR THE MAJOR (3rd and 4 w years)					
Area	Bachelor of Arts (B.A.)	Bachelor of Science (B.S.)				
A	13 units of Required Upper-division ES courses: ENVS 190 (one unit seminar) and one course from each of three themed clusters of ES courses.	17-18 units of Required Upper-division ES courses: ENVS 190 (one unit), and one course from each of three clusters of ES courses, and an additional upper-division statistics, data science, or modeling course.				
В	28 Upper Division ES Elective units: Any Environmental Studies courses #100-199 not used to satisfy Area A for a total of 28 units.	32 Upper Division ES Elective units from two sections: • B-1: 20 UD ES units which must be taken from a list of environmental "science" courses (see major sheet) • B-2: 12 units from any ES course #100-199 not already used to satisfy the 20 units in B-1 or Area A				
C	16 Unit Outside Concentration: Complete any 16 upper-division units from any one College of L&S department or program (double major or official minor will satisfy this area). OR Choose an interdisciplinary concentration of courses from more than one department forming a coherent environmental emphasis of their choice. Students can use courses from any department/programs or abroad.	16 Unit Outside Concentration: Complete any 16 upper-division units from one of the following STEM departments (dbl. mjr. or minor o.k.): Brain Science, Chemistry, EEMB and/or MCDB (bio), Geography, Earth Sci., Math, Statistics, or Physics. OR Choose an interdisciplinary concentration of courses from one or more of the departments listed above, forming a coherent environmental emphasis of choice.				
	tition, upper-division Study Abroad or Environmental F part or the entire Area C - Outside Concentration. Up to	, ,,,				
Satisty	part of the chine Area C - Outside Concentration. Op to	12 abroad units may also apply to the Area B Electives.				

Total Upper-division Units = 57

Total Upper-division Units = 65 to 66

BACHELOR OF ARTS (B.A.) WORKSHEET 2025-26

LOWER-DIVISION / PREPARATION FOR MAJOR (generally 1st and 2nd years)

ENVS 1 (F or Sum qtrs)*	Culture & Society:	Chemistry:		Quantitative Skills:	Statistics:
ENVS 2 (S or Sum qtrs)*	Anthro. 2 or Geog. 5	Chemistry 1A + 1B		Math 34A or 3A (2A)	PSTAT 5A or 5LS
ENVS 3 (W or Sum ques)*	or Global St. 1 or 2	and 2AL		and one course from	or Econ 5 (Or Comm. 87 or Poll. Sci.
ENVS 40 (F, W, 8 qtrs)*	or Psychology 1 or Relig. St. 1 or 14	ENVS 15A (W grz)* and		Math 34B or 3B (2B) or ENVS 25 (8 qtr)*	15, or Psy. 10B by petition)
Ethics & Justice:	or Sociology 1	ENVS 15B/BL (8 qtr)*	_	OF ENVS 25 (8 qtr)	Biology & Egology:
ENVS 70 (wqv)* or	or sociology 1	EAVS ISB/BE (squ)	ركنك		ENVS 60 (For furth ques)*
Black St. 4 or	Policy & Politics:	Economics:		Physical Earth Sci.:	OR
Fem.St. 50 or Ling. 50	Hist. 5 or 7 or	ENVS 30 (F qtr)* or		Earth Sci. 2 or 4	MCDB 1A 1LL (F/W qtr) and EEMB 2 (W qtr)*
or Phil. 4 or Pol.Sci. 1	Poli. Sci. 6 or 7 or 12	Economics 1 or 2 or	_	or 20 or Geog. 3 or 4 t may be substituted for Pr	
				ed credit or see an ES Adv	
UPP	R-DIVISION	(generally 3rd a	nd 4th	years) - Total of 5	57 ynits
A. ES REQUIRE	COURSES (13 UN	VITS)	C. ou	ITSIDE CONCENTRA	ATION (16 UNITS)
ENVS 190 (a 1 unit sem	ninar offered P/NP only) (F)	or S qtrs)*	There a	re 2 options for the Outsid	Concentration:
	h of the cluster of courses		1) Single	e department: Complete an	v 16 upper-division
	ety: ENVS 101, 130C, 149		units fro	m any one UCSB departmen	nt or program and they
	nate: Envs 115, 117, 163/ Envs 116, 135A, 155, 15			matically apply. Completio	
	y be taken and used as Are			ically satisfy this area as will le UD units don't overlap wi	
		— I		ØR	
B. ES ELECTIVE	ES (28 UNITS)			disciplinary emphasis: Cor	
Any upper-division ES	S courses (#100-199) not u			vision units from more than outside ES may be used to	
ES E	Elective Courses			long as they form a coheren	
1			student p	oursuing this option must sub	omit a Petition for
2				Requirements form to ES jus	
3 4				ate to each and form a coher ample environmental concer	
5				ble from the ES Advisors or	
6		_ \	www.es	.ucsb.edu/degrees	
7		Total = 28	NOTE.	Study Abroad or Environme	antal Field Studies
No more than 8 units con	nbined and 4 units each from			be used to satisfy part or a	
	oly; and max 12 UCEAP unit.		option 1	or 2 above. Units earned mu	ist be UC transferable,
			/	vision, and relate to a cohere	
Outside C	oncentration Courses	Units		for Degree Requirements mu mental Studies before units v	
1					
2				interested in applying study	
3 4.				pursuing an interndisciplina consult an ES Advisor before	
٠				g webpage at: www.es.ucsb.	
				Fage and	- Table

NOTE: All courses, including cross-listed (either version), may apply to one area only in any part of the major Courses taken to fulfill any major requirement must be taken for a letter grade unless only offered P/NP.

B.A. Degree

- Most flexible ES major
- Includes some science
- Upper-division electives are wide open!!
- O.C. can be in any department on campus
- O.C. filled with Double major or minor in any department
- O.C. can be completed with study abroad or field studies

BACHELOR OF ARTS (B.A.) WORKSHEET 2025-26

LOWER-DIVISION / PREPARATION FOR MAJOR (generally 1st and 2nd years)

ENVS 1 (F or Sum qtrs)*	Culture & Society:	Chemistry:		Quantitative Skills:	Statistics:
ENVS 2 (S or Sum qtrs)*	Anthro. 2 or Geog. 5	Chemistry 1A + 11	ВШШ	Math 34A or 3A (2A)	PSTAT 5A or 5LS
ENVS 3 (W or Sum qtrs)*	or Global St. 1 or 2	and 2AL		and one course from	or Econ 5 (Or Comm. 87 or Poli. Sci.
ENVS 40 (F, W, S qtrs)*	or Psychology 1	OR		Math 34B or 3B (2B)	15, or Psy. 10B by petition
Estate A territor	or Relig. St. 1 or 14	ENVS 15A (W qtr)* a		or ENVS 25 (8 qtr)*	
Ethics & Justice:	or Sociology 1	ENVS 15B/BL (S qtr	* ⊔⊔,		Biology & Ecology:
ENVS 70 (W qtr)* or	Dallay & Dalitica	Economics:		Bhusiael Forth Coi	ENVS 60 (F or Sum qtrs)*
Black St. 4 or Fem.St. 50 or Ling. 50	Policy & Politics:	ENVS 30 (F qtr)* or		Physical Earth Sci.: Earth Sci. 2 or 4	MCDB 1A/1LL (F/W 402)
or Phil. 4 or Pol.Sci. 1	Poli. Sci. 6 or 7 or 12	Economics 1 or 2	or 9	or 20 or Geog. 3 or 4	and EEMB 2 (W qtr)*
				t may be substituted for Pre	
				ted credit or see an ES Advi	
			,		
UPPE	ER-DIVISION	(generally 3rd	and 4th	n years) - Total of 5	7 units
			0		
A. ES REQUIRE	D COURSES (13 UN	IITS)	C. OL	JTSIDE CONCENTRA	ATION (16 UNITS)
ENVS 190 (a.1 unit sen	ninar offered P/NP only) Fo	v S crites*	There a	re 2 options for the Outside	Concentration:
	h of the cluster of courses l	_		•	
	ety: Envs 101, 130C, 149			e department: Complete any	
,	nate: ENVS 115, 117, 1634			m any one UCSB departmen	
0,,				omatically apply. Completion	
	ENVS 116, 135A, 155, 15			ically satisfy this area as will	
Additional courses ma	y be taken and used as Are	a B electives.	long as	16 UD units don't overlap wit	n Areas A or B.
B. ES ELECTIVE	EQ (00 HAUTO)		2) Inton	OR	hination of 16
D. ES ELECTIVE	28 UNITS)			disciplinary emphasis: Con ivision units from more than of	
Any upper-division ES	S courses (#100-199) not u	sed in Area A.		outside ES may be used to c	
FS F	Elective Courses	Units		long as they form a coherent	
				pursuing this option must sub	
				Requirements form to ES just	
				late to each and form a cohere	, .
4				ample environmental concent	
5				ble from the ES Advisors or a	
6				s.ucsb.edu/degrees	
7					
	Т	Total = 28	NOTE:	Study Abroad or Environme	ntal Field Studies
	nbined and 4 units each from		units ma	y be used to satisfy part or al	l of Area C using either
199, and 199RA may app	oly; and max 12 UCEAP units	s by petition.	option 1	or 2 above. Units earned mu	st be UC transferable,
			upper-di	ivision, and relate to a cohere	nt concentration. A
				for Degree Requirements mu	
0.000.00	oncentration Courses	Units	Environ	mental Studies before units w	ill be accepted.
				s interested in applying study	
				pursuing an interndisciplinar	
4		T-4-1 - 46		consult an ES Advisor before	
		Total = 16	Advising	g webpage at: <u>www.es.ucsb.e</u>	edu/advising

NOTE: All courses, including cross-listed (either version), may apply to one area only in any part of the major. Courses taken to fulfill any major requirement must be taken for a letter grade unless only offered P/NP.

B.S. Degree

- Same format and still flexible & multi-disciplinary
- Includes Econ, Soc Sci, Ethics & Justice
- But requires full-year of intro sciences (Bio, Chem, and Phys, + Calc
- Area A adds Stats req.
- ES Electives, 20 units come from a list of "science" courses (Area B-1)
- Outside Concentration restricted to STEM depts.

BACHELOR OF Science (B.S.) WORKSHEET 2025-26

LOWER-DIVISION / PREPARATION FOR MAJOR (generally 1st and 2nd years)

ENVS 1 (F or Sum qtrs)*	Chemistry:		Math 3A or 2A (F qtr)*	
ENVS 2 (8 or Sum qtrs)* Policy & Politics:	СНЕМ 1А □ 1В □]1C	Math 3B or 2B (W qtr)*	Or Econ 5 (Or Comm. 87, Poli. Sci 15,
ENVS 3 (W or Sum qtrs)* Anthro. 2 or Geog. 5	and 2AL + 2BL		Physics:	or Psy. 10B by petition)
ENVS 40 (F, W, S qtrs)*	Physical Earth Se	ci.:	Physics 6A/AL	Biology & Ecology:
or Hist. 5 or 7 or	Earth Sci. 2 or 4			MCDB 1A (F, Sum qtrs)*
Ethics & Justice: Poli. Sci. 6 or 7 or 12	or 20 or Geog. 3 or	r 4	Physics 6C/CL	
ENVS 70 (W qur)* or Black St. 4 or	Economics:		OR Physics 7A [MCDB 1LL (W, Sum qtrs)*
Fem St. 50 or Ling 50	ENVS 30 (F qtr)* or		Physics 7B	EEMB 2 (W, Sum qtrs)* [EEMB 2LL (S, F qtrs)* [
or Phil. 4 or Pol.Sci. 1	Economics 1 or 2 or	or 9	Physics 7C + L	EEMB 2LL (S, F qtrs) EEMB 3 (S, F qtrs)*
Advanced Placement (AP), International Baccalat			it may be substituted for	
Review your <i>UCSB Course History</i> on GO				
UPPER-DIVISION (ge	enerally 3rd and	d 4th y	ears) - Total of 6	35-66 units
A. ES REQUIRED COURSES (17-18		<u>C. o.</u>	JTSIDE CONCENT	TRATION (16 UNITS)
ENVS 190 (a 1 unit seminar offered P/NP only) (F or	_	There a	re 2 options for the Out	side Concentration:
One course from: ENVS 164 (193SW), 193DS GEOG 172; EEMB 146, 179; PSTAT 120A (Math		1) Singl	le department: Complete	e any 16 upper-division
One course from each of the three clusters of co			om any one of the followi	, ,,
1. Ecosystems & Society: ENVS 101, 130C, 149			try & Biochemistry, EEM	
2. Energy, Water, Climate: ENVS 115, 117, 163A			ciences, Geography (only	
3. Built Environment: ENVS 116, 135A, 155, 15			ysical Geog. major), Matl ogical & Brain Sciences.	
Additional courses may be taken and used as Are	a B electives.		r minor from the above do	
B. ES ELECTIVES (32 UNITS)		If pursu	ing an official minor mak	
32 UD ES units from courses (#100-199) not use	ed in Area A.	overlap	with Areas A or B.	
Section B-1: At least 20 units must be taken from this		2) Inter	OR	Combination of 16 upper-
103A^, 105, 111^, 113^, 114A-B^, 115, 119^, 120A-B,		-		e department listed above
133 [^] , 134, 137, 140, 141, 142, 144 [^] , 145, 147, 148, 14 153, 154, 156, 162 [^] , 163A, 164, 166DC, 167 [^] , 168 [^] , 1			used to create a concentra	
193CS, 193DS, 193EB^, 193GW, 193ST, 193TF, 197.				phasis. A student pursuing
ES Elective Courses	Units			n for Degree Requirements
1			stifying how proposed co desired concentration. A	ourses relate to each other
2. 3.			mental concentrations on	
4.			e ES website at: www.es.	
5				
Section B-2: Any UD ES courses to reach 32 total un	uits		Study Abroad or Environ	
6 7.			, ,,,	or all of Area C using either I must be UC transferable,
8.			ivision, and relate to a stu	
No more than 8 units combined and 4 units each from				irements must be approved
199, and 199RA may apply; and max 12 UCEAP units	by petition.	by Envi	ronmental Studies before	units will be accepted.
1		Students	s interested in applying st	tudy abroad or field studies
2.			** * *	linary emphasis, are encour-
3.				efore starting. Visit the ES
4		-	g webpage at: www.es.u	
	Total = 16			

NOTE: All courses, including cross-listed (either version), may apply to one area only in any part of the major.

Courses taken to fulfill any major requirement must be taken for a letter grade unless only offered P/NP.

B.A. vs B.S.

The B.S. major has:

- Additional Chem, Biology, Physics, and more Calculas (34 vs 3)
- Area A = additionalStat/Modeling course
- Area B: must take 20 units from list of "science" electives
- Area C is restricted to science depts. only

ENVIRONMENTAL STUDIES MAJOR REQUIREMENTS: B.A. vs. B.S.

LOWER-DIVISION FOR THE MAJOR (1st and 2nd years)

		• /		
Required Courses fo	or Both B.A. and B.S.	UCSB Course(s)		
Four introductory courses in Environmental Studies		Envs 1, 2, 3 and Envs 40		
•		Econ 1 or 2 or 9 or Envs 30		
One general or physica	l Geography or Earth Science	Geog 3 or 4 or Earth Sci. 2 or 4 or 20		
One introductory Statis	etics P	Pstat 5A or 5LS or Econ 5		
One introductory Ethic		Envs 70 or Blkst 4 or Femst 50 or Lingst 50 or Phil 4 or Pols 1		
Different Lower-div	ision Requirements: B.A. vs. B.S.			
	B.A.	B.S.		
Culture & Society	One course from broad list of options	One course from a combined list of Culture &		
Policy & Politics	One course from list of options	Society and Policy and Politics courses		
Math (calculus) Two quarters: Math 34A or 2A or 3A and Math 34B or 2B or 3B or Envs 25 (Quantitative Thinking in ES)		Two quarters of Calculus w/applications: Math 3A-B (or 2A-2B)		
Biology and Ecology	One or Two courses of intro Biology/Ecolog Envs 60 or MCDB 1A-1LL and EEMB 2	y: Four courses of fundamental Biology w/2 labs: MCDB 1A-1B-1LL and EEMB 2-3-2LL		
Chemistry	Two courses + One lab: Chem 1A-AL and 1 or Envs 15A and 15B-BL (Env Chem series)	_		
Physics	None	Three quarters of introductory Physics: Phys 6A-AL, 6B-BL, 6C-CL or 7A, 7B, 7C-CL		

Total Lower-division Units = 61 to 68.5

Total Lower-division Units = 88 to 90

UPPER – DIVISION FOR THE MAJOR (3rd and 4th years)

	OTTER - DIVISION FOR THE MAJOR (Sit and 4 years)							
Area	Bachelor of Arts (B.A.)	Bachelor of Science (B.S.)						
	13 units of Required Upper-division ES courses:	17-18 units of Required Upper-division ES courses:						
A	ENVS 190 (one unit) and one course from each of	ENVS 190 (one unit), and one course from each of three						
	three clusters of ES courses.	clusters of ES courses, and an additional upper-division						
		statistics, data science, or modeling course.						
	28 Upper Division ES Elective units:	32 Upper Division ES Elective units from two sections:						
В	Any Environmental Studies courses #100-199 not used to satisfy Area A for a total of 28 units.	B-1: 20 UD ES units which must be taken from a list of environmental "science" courses (see major sheet) B-2: 12 units from any ES course #100-199 not already used to satisfy the 20 units in B-1 or Area A						
	16 Unit Outside Concentration:	16 Unit Outside Concentration:						
C	Complete any 16 upper-division units from any one College of L&S department or program (double major or official minor will satisfy this area). OR Choose an interdisciplinary concentration of courses from more than one department forming a coherent	Complete any 16 upper-division units from one of the following STEM departments (dbl. mjr. or minor o.k.): Brain Science, Chemistry, EEMB and/or MCDB (bio), Geography, Earth Sci., Math, Statistics, or Physics. OR Choose an interdisciplinary concentration of courses						
	environmental emphasis of their choice. Students can use courses from any department/programs or abroad.	from one or more of the departments listed above, forming a coherent environmental emphasis of choice.						

Total Upper-division Units = 57

Total Upper-division Units = 65 to 66

By petition, upper-division Study Abroad and/or Environmental Field Studies units may be transferred and applied to satisfy part or the entire Outside Concentration. Up to 12 abroad units may also apply to the Area B Electives.

B.S. Hydro

- Similar to B.S degree in ES
- Focus is on Water & Env.
- More UD required courses
- Choose one of three emphases

Hydrologic Sciences & Policy (B.S.) Worksheet 2025-26

LOWER-DIVISION / PREPARATION IN MAJOR (generally 1st and 2nd years)

NVS 1 (F or Sum qtrs)* r ENVS 3 (W or Sum qtrs)* nd ENVS 40 (F, W. S qtrs)* Conomics: NVS 30 (F qtr)* or conomics 1 or 2 or 9 Chysical Earth Sci.: arth Sci. 2 nd Geography 4 Advanced Placement (AP), In	Biology & Ecology: MCDB 1A (F. Sum qurs)* MCDB 1B (W. Sum qtrs)* MCDB 1LL (W. Sum qtrs)* EEMB 2 (W. Sum qzrs)* EEMB 2 LL (S. F qtrs)* EEMB 3 (S. F qtrs)* Statistics: PSTAT 5A or 5LS		Chemistry: CHEM 1A		Physics: Physics 6A/A Physics 6B/B Physics 6C/COI Physics 7A Physics 7B Physics 7C +	L C
Review your Course History	ory/Profile on GOLD for	automat	ically articulated credit	or see the	ES Advisor for	assitance.
UPPER-DIVIS			d 4th years) - 10° Courses (21 un		6 units rec	quired!
ENVS 102 (F qtr)*	Envs 144 [^] (S qtr)*		Envs 163A (W qtr)*	Env	vs 164 or 193DS	(S qtr)*
В	. REQUIRED U.D.	Тнеме	D CLUSTERS (24-	.25 UNIT	rs)	
Complete one course from e each cluster, excluding #3, n 1. Water Policy, Manageme. 2. Water Quality: ENVS 16 3. Intro to GIS: Earth Sci. 4. Soil and Ecology: EEMI 5. Climate and Environment. 6. Field Studies: ENVS 114	nay apply to Area C if des nt, and Society: ENVS 12 2^, 168^, 169^ 176; ENVS 154; GEOG 17 3 120, 148, 168; ENVS 10 tal Justice: ENVS 116, 12	sired. 38^, 163E 6C (5 un 1, 114A^ 30A, 134	^ denotes course is cros 5, 193TW its & GEOG 176A-B from 128^, 133^, 171^ CJ^, 180, 181, 186, 188	s-listed wit	th another dept.	
	C. U.D. E	LECTI	/ES (10-11 UNITS)		
Any units from the following cluster in Area B, excluding of UD units completed in the Earth Science 106, 113, 1 Environmental Studies 14 Geography 110, 115A-B-No more than 8 units combination.	#3 (Intro to GIS), may be emajor to 56: 14, 117, 130, 131, 134, 1 45, 156 (new), 190, 192, 19 95A-B-C, 197, 199, 199R C, 119, 133, 134, 137, 14	e used to 64B, 175 93AW (no RA; 12, 172, 1	tring the total number; ; w), 193GW (new), 75, 176A-B, 178	3 4 Need 11 w 176C in A	Courses: Total nits unless complete rea B-3; then need j	ed GEOG
NOTES: • Study Abroad or	9	ıdies uni	ts may be used to satis	sfy part or		

All courses, including cross-listed (either version), may apply to one area only in any part of the major.
 Courses taken to fulfill any major requirement must be taken for a letter grade unless only offered P/NP.

	FALL qtr.	WINTER Qtr.	SPRING Qtr.	SUMM	ER SE	ESSI	ON(S
EAR 1	ES 1 A	ES 3 Δ	ES 2 A	I st	(Optio	nal)	2^{nd}
	Math 34A or 3A or 2A	Math 34B, 3B, 2B or ES 25 (sp)	Econ 1 or 2 or 9 or ES 30 (fall)				
[
	<<< Choose one course from C	Culture & Society list: Anth 2, Geo	g 5, Global St. 1, 2 etc >>>				
EAR 2	ES 60 Δ or MCDB 1A/1LL Δ + EEMB 2 in Winter qtr.	Chem 1A/2AL or ES 15A Δ	Chem 1B or ES 15B/BL Δ				
	Any one from: Geog 3, 4 or Earth 2, 4, 20	ES 40 (fall, wt, or possible sp) >>	Pstat 5A or 5LS or Econ 5				
	ES 190 (1 unit F or S)	<<< Choose one course from Eti Fernst 50, Ling 50, Phil 4 or Pols	nics & Justice list: ES 70, Blst 4, : 1 >>>				
	<<< Choose one course from I	Policy & Politics list: Hist. 5, 7, Po	li Sci. 6, 7, 12>>>				
EAR 3	One course from Area A's ES Cluster #1, #2, or #3	One course from Area A's ES Cluster #1, #2, or #3	One course from Area A's ES Cluster #1, #2, or #3				
i	ES Elective #1	ES Elective #2	ES Elective #3				
		Outside Concentration #1	Outside Concentration #2				
EAR 4	Outside Concentration #3	Outside Concentration #4	ES Elective #7				
[ES Elective #4	ES Elective #6					
l l	ES Elective #5						
	(Senior Thesis Optional) Δ						
		WINTER Qtr.	SPRING Qtr.	SUMM	ER SI	ESSI	ON(S
YEAR 1	(Senior Thesis Optional) Δ	WINTER Qtr.	SPRING Qtr.	SUMM	ER SI		ON(8
YEAR 1	(Senior Thesis Optional) Δ FALL qtr.		ES 2 Δ Chem 1C/2BL	_			•
YEAR 1	(Senior Thesis Optional) Δ FALL qtr. ES 1 Δ	ES 3 A	ES 2 Δ Chem 1C/2BL << One course from Ethics &	_			•
YEAR 1	FALL qtr. ES 1 Δ Chem 1A	ES 3 Δ Chem 1B/2AL	ES 2 Δ Chem 1C/2BL	_			•
	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ	ES 2 Δ Chem 1C/2BL << One course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >>	_			_ `
YEAR 1	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ	ES 2 Δ Chem 1C/2BL << One course from Ethics & Justice: ES 70, Blst 4, Ling 50, Femst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ	_			_ `
	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or	ES 2 Δ Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ EEMB (fall, wt, or sp) >>>	_			_ `
	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.)	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20	ES 2 Δ Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Femst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ <= ES 40 (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall)	_			_ `
	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.)	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20	ES 2 Δ Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ EEMB (fall, wt, or sp) >>>	_			_ `
	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <<< Choose one course from	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20	ES 2 Δ Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Femst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ <= ES 40 (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall)	_			_ `
YEAR 2	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <<< Choose one course from the course from the course from Area A's	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20 Culture, Society, Policy & Politics Physics 6B/BL or 7B One course from Area A's	ES 2 Δ Chem 1C/2BL < One course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ << ES 40 (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall) list: Anth 2, Geog 5, 7, etc >>> Physics 6C/CL or 7C/CL One course from Area A's	_			•
YEAR 2	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <<< Choose one course from Physics 6A/AL or 7A	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20 Culture, Society, Policy & Politics Physics 6B/BL or 7B	ES 2 Δ Chem 1C/2BL « One course from Ethics & Justice: ES 70, Blst 4, Ling 50, Femst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ «« ES 40 (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall) list: Anth 2, Geog 5, 7, etc >>> Physics 6C/CL or 7C/CL	_			•
YEAR 2	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <<< Choose one course from Physics 6A/AL or 7A One course from Area A's ES Cluster #1, #2, or #3 ES Elective #1	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20 Culture, Society, Policy & Politics Physics 6B/BL or 7B One course from Area A's ES Cluster #1, #2, or #3 ES Elective #2	ES 2 Δ Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ EEM (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall) list: Anth 2, Geog 5, 7, etc >>> Physics 6C/CL or 7C/CL One course from Area A's ES Cluster #1, #2, or #3	_			_ `
YEAR 2	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <<< Choose one course from Physics 6A/AL or 7A One course from Area A's ES Cluster #1, #2, or #3 ES Elective #1	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20 Culture, Society, Policy & Politics Physics 6B/BL or 7B One course from Area A's ES Cluster #1, #2, or #3 ES Elective #2	ES 2 Δ Chem 1C/2BL Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ CES 40 (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall) list: Anth 2, Geog 5, 7, etc >>> Physics 6C/CL or 7C/CL One course from Area A's ES Cluster #1, #2, or #3 Outside Concentration #1	_			_ `
YEAR 2	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <<< Choose one course from Physics 6A/AL or 7A One course from Area A's ES Cluster #1, #2, or #3 ES Elective #1 <<< One U.D. stats/modeling	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20 Culture, Society, Policy & Politics Physics 6B/BL or 7B One course from Area A's ES Cluster #1, #2, or #3 ES Elective #2	ES 2 Δ Chem 1C/2BL Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ CES 40 (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall) list: Anth 2, Geog 5, 7, etc >>> Physics 6C/CL or 7C/CL One course from Area A's ES Cluster #1, #2, or #3 Outside Concentration #1	_			_ `
YEAR 2	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <<< Choose one course from Physics 6A/AL or 7A One course from Area A's ES Cluster #1, #2, or #3 ES Elective #1 <<< One U.D. stats/modeling	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20 Culture, Society, Policy & Politics Physics 6B/BL or 7B One course from Area A's ES Cluster #1, #2, or #3 ES Elective #2 g course: ES 164, 193DS, Geog 172	ES 2 Δ Chem 1C/2BL Cone course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ Econ 1 or 2 or 9 or ES 30 (fall) list: Anth 2, Geog 5, 7, etc >>> Physics 6C/CL or 7C/CL One course from Area A's ES Cluster #1, #2, or #3 Outside Concentration #1 c. EEMB 146, 179, Pstat 120A >>>	_			_ `
YEAR 2	FALL qtr. ES 1 Δ Chem 1A Math 3A or 2A Δ MCDB (bio) 1A Δ Pstat 5A or 5LS or Econ 5 ES 190 (1 unit any qtr.) <	ES 3 Δ Chem 1B/2AL Math 3B or 2B Δ MCDB (bio) 1B Δ + 1LL Δ EEMB (bio) 2 Δ Any one from: Geog 3, 4 or Earth 2, 4, 20 Culture, Society, Policy & Politics Physics 6B/BL or 7B One course from Area A's ES Cluster #1, #2, or #3 ES Elective #2 course: ES 164, 193DS, Geog 172 Outside Concentration #3	ES 2 Δ Chem 1C/2BL « One course from Ethics & Justice: ES 70, Blst 4, Ling 50, Fernst 50, Phil 4 or Pols 1 >> EEMB (bio) 3 Δ + 2LL Δ «« ES 40 (fall, wt, or sp) >>> Econ 1 or 2 or 9 or ES 30 (fall) list: Anth 2, Geog 5, 7, etc >>> Physics 6C/CL or 7C/CL One course from Area A's ES Cluster #1, #2, or #3 Outside Concentration #1 p, EEMB 146, 179, Pstat 120A >>> Outside Concentration #4	_			_ `

Environmental Studies, UCSB



2025-26 Proposed Schedule of Courses

WARNING! This list of courses is the most up-to-date for the coming year - but not set in stone!

Schedule changes may still occur prior to the start of each quarter. See an ES Advisor or visit the ES Courses webpage for regular updates and list of course descriptions and prerequisites (www.es.ucsb.edu/courses).

FALL '25	#	Course Title	ES Requirement	
Alagona	1	Introduction to Environmental Studies		
Pede	30	Introduction to Environmental Economics	NOTE: ECON 9 only taught in Fall	in 2025-26
Martin	40	Critical Thinking & Evidence-Based Reasoning		
Murray	60	Applied Ecology		
Stratton	95	Intro. Ecological Restoration Field Skills		
Dowdv	101	Ecosystems Services and Biodiversity	A-1 or B-1	
Gray	102	Qualitative Methods in Env. Studies		
Miller	* 111	CA Channel Islands	B-1	
Holzer	* 114A	Intro to Soil Science	B-1	
Shamasunder	116	Sustainable Communities	A-3	
Pulver	117	Transition to a Low Carbon Society	A-2	
Pve	129	Ecopsychology		
Maldonado	130A	Un-naturalizing Disasters, Risk, Vulnerability, Resilie	moe	
McCauley	* 133	Biodiversity & Conservation Biology	B-1	
Carlisle	148	Transforming Food Systems	B-1	
Hoelle	* 151	Environmental Anthropology		
Sweenev	154	Intro to Environmental GIS	B-I	Year
New Schmitt	156	Pathways to Sustainable Water Infrastructure	New A-3 or B-1	100.
Williams	159	Public Lands Law & Policy		
Athanassakis	* 160	Literature of Animals, Food, and the Environment		h
Stone	165A	Environmental Impact Analysis		
Clark	* 168	Aqueous Transport of Pollutants	B-1	
Schimel	* 171	Ecosystem Processes	B-1	L
Johnson	172	Waste Management		
Mildenberger	* 177	Comparative Enironmental Politics		. I
Callahan	* 178	Politics of the Environment		
Pellow	181	Power, Justice and the Environment		-
Kavsen	187	Intro to Green Buildings		
Zimmerman	190	Current Topics in Env. (Env. Careers - 1 unit)		_ h
Russel	191	Nature and Science Education Practicum		
Zollet	195A	Env. Leadership Incubator (same students - 3 qrts)		
Martin	197	ES Senior Thesis	B-1	. I
WINTER '26	#	Course Title	ES Requirement	- H
Pellow	3	Intro. Social & Cultural Environments		
Holzer	15A	Environmental Chemistry I	* Denotes course	
Martin	40	Critical Thinking & Evidence-Based Reasoning	dept. Review co	L
Sideris	70	Intro to Environmental Ethics	https://my.sa.uc:	
Stratton	95	Intro. Ecological Restoration Field Skills		. I
Seltmann	* 96	Intro. Curation Natural History Collections	B-1 Course satisfies	
New Shamasunder	104	Environmental Health, Inequality, and Justice	for Env St. B.S.	- H
Martin	* 1080	History of Oceans	??? Uncertainty if th	
Alagona	108W	Wildlife in America	222 Oncertainty y ti	
Geog Assoc	* 111	CA Channel Islands	B-1	
Holzer	* 114B	Advanced Soil Science	B-1	
Brown	118	Industrial Ecology	OV	l l
Krop	125A	Introduction to Environmental Law		
Maldonado	130B	Global Environmental Tourism		- F
	-		·	

Environmental Studies Course Schedule Worksheet

Yea	r FALL Qtr	WINTER Qtr	SPRING Qtr	SUMMER SESSIONS
	ENV S 190			
	ENV S 1 or 30 or 60 ?			
<u> </u>				
<u> </u>				
—				

___ ENVS 190 = required one unit colloqium/guest lecture course offered Fall, Winter, & Spring qtr, pass/no pass only

Notes, Petitions, GE Requirements, etc.

If yo're a B.S. major and still need CHEM start with CHEM 1A in Fall!

If you still need to take Math 3A (2A) you first need to take the UCSB Math Placement Exam (MPE) online before registering.



In Summary: Major Flexibility in major = lots of opportunities

- Study Abroad through EAP, other third party
 - 2024-25 ES has 100 students in 22 different countries
- Env. Field Studies Programs
 - Wildlands Studies (38 in '24-'25), School for Field Studies, etc.
 - Africa, Central America, Thailand, Himalayas, New Zealand, etc.
- Research Opportunities w/faculty
- Academic Internships (local and non)
- Double major or minors
- Field courses where get hands dirty!



Common Questions:

- ES Minor??? NO, But.....
 - 1/4 Double major w/ES (more than campus average)
 - Create own concentration (unofficial minor) with ES electives
- Deciding between B.S. and B.A.
 - Don't stress, plenty of courses that overlap
- Check out the ES Four Year Plans w/GE's
- How and When do I declare ES as my major?
 - Easy, all online at: es.ucsb.edu/declaring-major
 - Complete just one of ENVS 1, 2, 3, or 40 (not entire preparation)

- Interest in double major or minor check with those home department advisors
- Study Abroad and Field Studies Programs are very popular (apply towards Area B and/or C)
 - But need to plan ahead!
- This Thursday Info Session by Wildlands Studies, Thur at 5pm in Bren 4016
- Internships, Senior Thesis, ELI, apply for ES Scholarships, CUEL events, etc. etc. etc.

READ YOUR ESmail MESSAGES!

ES Academic Advising:

Email Questions to: <u>advising@es.ucsb.edu</u>

Zoom Appointments: www.es.ucsb.edu/advising

UC SANTA BARBARA

Environmental Studies Program

About People Undergraduate Graduate Student Programs Resources Stay Connected News & Events

ES Academic Advising Overview

Environmental Studies offers advising to current and prospective students. Advising is one way to make the most of your university experience. Please don't be afraid to ask questions, seek advice, and make decisions that work best for you.

- If you need advising for the Environmental Studies or Hydrological Sciences majors, first try our Frequently Asked
 Questions (FAQ) page for answers to many common questions. For first-year students, check out our ES Freshman
 Toolkit video for additional helpful tips complied by the ES Advisors.
- We also **offer Drop-in Advising** in-person in Bren Hall, Rm 4312, Monday, Wednesday and Thursday from 1:00-3:00 pm. Just come by and we will help you on a first come-first serve basis.
- Or, you can schedule a remote Zoom appointment with an advisor using the <u>Schedule Appointment</u> link below. Appointments are generally available M-F 9:00-11:45 am and 1:00-4:00 pm.
- Students are also welcome to email their questions to advising@es.ucsb.edu and we will do our best to respond as soon as possible (normally 1-2 business days).

Academic Advisor



Picabo Barrington Bren Hall 4312A (Floor 4L) (805) 893-2283

advising@es.ucsb.edu

Drop-in Office Hours:

Mon., Wed., & Thur. 1:00-3:00

or Book a Zoom appointment

Academic Advisor & Student Services Manager

Schedule an Appointment

Your Questions?

