BA IN ENVIRONMENTAL STUDIES

Units required for Major: 62-64
Total units required for BA: 120

Program Description

Students will gain an interdisciplinary understanding of environmental challenges and their solutions. Environmental topics are taught in their political, social and scientific context, with an emphasis on environmental behavior, policy and law. Alongside learning the disciplinary knowledge and practice, the degree emphasizes skills in research, evaluation, communication, cooperation, and service.

Graduates are typically employed as social scientists, planners, policy-makers or advocates in government, community-based organizations or industry working in food and agriculture, fish and wildlife, pollution and toxic substances, forestry and fire, air and water resources, recycling and recovery, and environmental consulting, advocacy, enforcement, and regulation.

Minimum Grade Requirement

A minimum grade of "C-" is required in all courses required for the Environmental Studies B.A. and B.S. majors.

Program Requirements

Code	Title	Units
Required Lower Division Courses (23-24 Units)		
BIO 1	Biodiversity, Evolution and Ecology [1]	5
BIO 2	Cells, Molecules and Genes	4 - 5
or BIO 10 & BIO 15L	Basic Biological Concepts Laboratory Investigations in Biology	
CHEM 6A	Introduction to General Chemistry [1]	5
or CHEM 1A	General Chemistry I	
ECON 1B	Introduction to Microeconomic Analysis [1]	3
ENVS 10	Introduction to Environmental Science [1]	3
or ENVS 10H	Honors Environmental Science	
GEOG 1	Atmosphere, Landscapes & Life: Intro to Physical Geography [1]	3
or GEOL 10	Physical Geology	
Required Upper Division Courses (13 Units)		
ENVS 111	Environmental Ethics [1]	3
ENVS 112	International Environmental Problems [1]	3
ENVS 187	Environmental Studies Seminar	1
ENVS 190	Senior Thesis	3
ENVS 195	Environmental Studies Internship	3
Research Methods (8 Units)		
ENVS 120	Quantitative Methods for Environmental Science	3
A minimum of 5 additional units from the following:		5
ENVS 121	Field Methods in Environmental Science	
ANTH 192B	Laboratory in Ethnographic Techniques [2]	
ANTH 195B	Fieldwork in Ethnology [2]	
ECON 110	Cost Benefit Analysis	
GEOG 109	Geographic Information Systems	
GEOG 182	Qualitative Methods in Geography	
POLS 100	Introduction to Research Methods in Political Science	
Policy and Management Electives (6 Units)		
Select two of the following		6
ENVS 122	Environmental Impact Analysis: CEQA and NEPA	
ENVS 128	Environment and the Law	
ENVS 155	Environmental Management and Decision-Making	
ENVS 171	Environmental Politics and Policy	
Environmental Studies Electives (12 Units) [3]		
Select four of the following courses:		12
ENVS 110	Contemporary Environmental Issues	
ENVS 130	Environmental Toxicology	
ENVS 135	California Water and Society	
ENVS 137	Conservation and Society	
ENVS/SOC 138	Introduction to Environmental Sociology	
ENVS 140	Energy, Society, and the Environment	
ENVS 144	Sustainability Science & Policy	
ENVS 147	Urban Agriculture and Aquaponics	
ENVS 149	Agroecology	
ENVS 151	Restoration Ecology	
ENVS 158	Wetlands Ecology	
ENVS 163	Ethnoecology [1]	
ENVS/HIST 165	American Environmental History [1]	
ENVS 170	Environmental Justice (New course: Environmental Justice - Form A submitted concurrently)	
ENVS 199	Special Problems (Requires faculty advisor)	
Total Units		**62-63**

[1] Course also satisfies General Education (GE)/Graduation Requirement.
[2] We recommend taking ANTH 192B and ANTH 195B as a pair of courses for 3 units to satisfy a Research Methods elective.
[3] A student may substitute up to 6 units of ENVS electives from other programs if the substitute course aligns with their career aspirations. Most commonly those courses are taught by Biology, Geography, Geology, History or RPTA but any courses aligned with the student's interests will be considered. Contact your major advisor for approval of a substitute course.

General Education Requirements [1]

Code	Title	Units
Area A: Basic Subjects (9 Units)		
A1 - Oral Communication		3
A2 - Written Communication		3
A3 - Critical Thinking [2]		3
Area B: Physical Universe and Its Life Forms (6 Units)		
B1 - Physical Science [3]		0
B2 - Life Forms [3]		0
B3 - Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5) [3]		0

B4 - Math Concepts [4]	3
B5 - Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements.	3
Area C: Arts and Humanities (9 Units)	
C1 - Arts	3
C2 - Humanities	3
C1 - Area C Course	3
C2 - Area C Course [3]	0
Area D: The Individual and Society (6 Units)	
Area D Course	3
Area D Course [3]	0
Area D Course - Take upper-division course to complete Area & upper division requirements.	3
Area E: Understanding Personal Development (3 Units)	
Area E Course	3
Area F: Ethnic Studies (3 Units)	
Area F Course	3
Total Units	**36**

1 To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (https://catalog.csus.edu/colleges/academic-affairs/general-education/).
Note: There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (http://www.csus.edu/acad), by phone (916) 278-1000, or email (advising@csus.edu).

2 ENVS 11 (Environmental Issues and Critical Thinking recommended for Environmental Study majors to meet the GE A3 requirement

3 Course that satisfies this GE also required by the Environmental Studies major.

4 STAT 1 recommended for Environmental Studies majors because it is also a prerequisite for a required course in the major: ENVS 120 - Quantitative Methods.

Graduation Requirements [1]

Code	Title	Units
Graduation Requirements (required by CSU) (6 Units)		
American Institutions: U.S. History		3
American Institutions: U.S. Constitution & CA Government		3
Writing Intensive (WI) [2]		0
Graduation Requirements (required by Sacramento State) (12 Units)		
English Composition II		3
Race and Ethnicity in American Society (RE)		3
Foreign Language Proficiency Requirement [3]		6

1 To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (https://catalog.csus.edu/colleges/academic-affairs/general-education/).
Note: There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (http://www.csus.edu/acad), by phone (916) 278-1000, or email (advising@csus.edu).

2 ENVS 112 - International Environmental Problems - is required by the Major and also satisfies this Graduation Requirement.

3 If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html (https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html)

The following roadmaps are sample planning resources. Please consult your academic advisor and Academic Catalog for graduation requirements as you develop your individualized academic plan.

Environmental Studies, BA: 4-Year Roadmap

Course	Title	Units
Year 1		
First Semester		
ECON 1B	Introduction to Microeconomic Analysis	3
ENVS 10	Introduction to Environmental Science	3
GE Area 1B - Critical Thinking [2]		3
GE Area 3A - Arts [2]		3
GE Area 4 - Social & Behavioral Sciences [2]		3
	Units	**15**
Second Semester		
BIO 1	Biodiversity, Evolution and Ecology	5
GEOG 1 or GEOL 10	Atmosphere, Landscapes & Life: Intro to Physical Geography [3] or Physical Geology	3
GE Area 1A - English Composition [2]		3
GE Area 2 - Mathematical Concepts & Quantitative Reasoning [2]		3
	Units	**14**
Year 2		
First Semester		
BIO 2 or BIO 10 or BIO 15L	Cells, Molecules and Genes [3] or Basic Biological Concepts or Laboratory Investigations in Biology	1 - 5
CHEM 6A or CHEM 1A	Introduction to General Chemistry [3] or General Chemistry I	5
GE Area 1C - Oral Communication [2]		3
GE Area 6 - Ethnic Studies [2]		3
	Units	**12-16**
Second Semester		
ENVS 111	Environmental Ethics	3
ENVS 120	Quantitative Methods for Environmental Science	3
Foreign Language Semester 1 [2]		4
Second Semester Composition [2]		3
Elective of Choice		3
	Units	**16**

Year 3		
First Semester		
ENVS 121 or ANTH 192B or ANTH 195B or ECON 110 or GEOG 109 or GEOG 182 or POLS 100	Field Methods in Environmental Science [3] or Ethnographic Methods and Research Design or Fieldwork in Ethnology or Cost Benefit Analysis or Geographic Information Systems or Qualitative Methods in Geography or Introduction to Research Methods in Political Science	2 - 3
ENVS 187	Environmental Studies Seminar	1
Upper Division GE Area 5 or 2 - Science or Mathematical Concepts/Quantitative Reasoning [2]		3
Foreign Language Semester 2 [2]		4
GR American Institutions (US History) [2]		3
Elective of Choice		3
	Units	**16-17**
Second Semester		
ENVS 112	International Environmental Problems	3
ENVS 122 or ENVS 128 or ENVS 155 or ENVS 171	Environmental Impact Analysis: CEQA and NEPA [3] or Environment and the Law or Environmental Management and Decision-Making or Environmental Politics and Policy	3
ENVS 195	Environmental Studies Internship	3
ENVS Elective [3]		3
GR American Institutions (GOVT)		3
	Units	**15**
Year 4		
First Semester		
ENVS 128 or ENVS 122 or ENVS 155 or ENVS 171	Environment and the Law [3] or Environmental Impact Analysis: CEQA and NEPA or Environmental Management and Decision-Making or Environmental Politics and Policy	3
ENVS Elective [3]		3
ENVS Elective [3]		3
ENVS Elective [3]		3
Elective of Choice		3
	Units	**15**
Second Semester		
ENVS 190	Senior Thesis	3
GEOG 109 or ENVS 121 or ECON 110 or GEOG 182 or POLS 100 or ANTH 192B or ANTH 195B	Geographic Information Systems [3] or Field Methods in Environmental Science or Cost Benefit Analysis or Qualitative Methods in Geography or Introduction to Research Methods in Political Science or Ethnographic Methods and Research Design or Fieldwork in Ethnology	2 - 3
Upper Division GE Area 3 - Arts or Humanities [2]		3
Upper Division GE Area 4 - Social & Behavioral Sciences [2]		3
Elective of Choice		3
	Units	**14-15**
	Total Units	**117-123**

Environmental Studies, BA: 2-Year Roadmap

Course	Title	Units
Year 1		
First Semester		
ENVS 111	Environmental Ethics	3
ENVS 121 or ANTH 192B or ANTH 195B or ECON 110 or GEOG 109 or GEOG 182 or POLS 100	Field Methods in Environmental Science [3] or Ethnographic Methods and Research Design or Fieldwork in Ethnology or Cost Benefit Analysis or Geographic Information Systems or Qualitative Methods in Geography or Introduction to Research Methods in Political Science	2 - 3
ENVS 187	Environmental Studies Seminar	1
GR American Institutions (US History) [2]		3
Foreign Language Semester 1 [2]		4
Elective of Choice		3
	Units	**16-17**
Second Semester		
ENVS 112	International Environmental Problems	3
ENVS 122 or ENVS 128 or ENVS 155 or ENVS 171	Environmental Impact Analysis: CEQA and NEPA [3] or Environment and the Law or Environmental Management and Decision-Making or Environmental Politics and Policy	3
ENVS 195	Environmental Studies Internship	3
ENVS Elective [3]		3
Foreign Language Semester 2 [2]		4
	Units	**16**
Year 2		
First Semester		
ENVS 120	Quantitative Methods for Environmental Science	3
ENVS 128 or ENVS 122 or ENVS 155 or ENVS 171	Environment and the Law [3] or Environmental Impact Analysis: CEQA and NEPA or Environmental Management and Decision-Making or Environmental Politics and Policy	3
ENVS Elective [3]		3
ENVS Elective [3]		3
Upper Division GE Area 5 or 2 - Science or Mathematical Concepts/Quantitative Reasoning [2]		3
	Units	**15**
Second Semester		
ENVS 190	Senior Thesis	3

GEOG 109 or ENVS 121 or ECON 110 or GEOG 182 or POLS 100 or ANTH 192B or ANTH 195B	Geographic Information Systems [3] or Field Methods in Environmental Science or Cost Benefit Analysis or Qualitative Methods in Geography or Introduction to Research Methods in Political Science or Ethnographic Methods and Research Design or Fieldwork in Ethnology	2 - 3
ENVS Elective [3]		3
Upper Division GE Area 4 - Social & Behavioral Sciences [2]		3
GR American Institutions (GOVT) [2]		3
	Units	**14-15**
	Total Units	**61-63**

1. Any course not completed in the first semester should be taken in the second or a later semester.
2. Please see General Education/Graduation Requirement **course options (https://www.csus.edu/academic-affairs/curriculum- workflow/_internal/_documents/program-road-maps/als_2yr/art_transfer-roadmap-2024-25.pdf)**.
3. Please see an academic advisor for elective options.