

BA IN ENVIRONMENTAL STUDIES



SACRAMENTO STATE
Redefine the Possible

In Workflow

1. ENVS Committee Chair (wayne.linklater@csus.edu)
2. ENVS Chair (wayne.linklater@csus.edu)
3. SSIS College Committee Chair (flamenbaum@csus.edu)
4. SSIS Dean (mendriga@csus.edu)
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7. Dean of Undergraduate (gardner@csus.edu)
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9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (k.mcfarland@csus.edu)

Approval Path

1. Wed, 08 Mar 2023 20:44:53 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Committee Chair
2. Wed, 08 Mar 2023 20:45:45 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
3. Thu, 16 Mar 2023 00:25:39 GMT
Emily Wickelgren (wickelgr): Rollback to ENVS Chair for SSIS College Committee Chair
4. Wed, 26 Apr 2023 19:29:54 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
5. Fri, 05 May 2023 00:51:22 GMT
Emily Wickelgren (wickelgr): Rollback to ENVS Chair for SSIS College Committee Chair
6. Mon, 11 Sep 2023 18:26:45 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
7. Sun, 08 Oct 2023 00:19:23 GMT
Rachel Flamenbaum (flamenbaum): Rollback to ENVS Chair for SSIS College Committee Chair
8. Wed, 11 Oct 2023 20:36:18 GMT
Wayne Linklater (wayne.linklater): Approved for ENVS Chair
9. Wed, 25 Oct 2023 06:07:35 GMT
Rachel Flamenbaum (flamenbaum): Approved for SSIS College Committee Chair
10. Wed, 25 Oct 2023 16:39:14 GMT
Marya Endriga (mendriga): Approved for SSIS Dean
11. Thu, 02 Nov 2023 22:40:04 GMT
Katie Hawke (katiedickson): Approved for Academic Services

History

1. May 3, 2018 by clmig-jwehrheim
2. Aug 8, 2018 by Kaitlyn Ehrmantrout (k.ehrmantrout)
3. Oct 2, 2018 by Kaitlyn Ehrmantrout (k.ehrmantrout)
4. Apr 28, 2020 by 220267334
5. Apr 23, 2021 by Katie Hawke (katiedickson)
6. Feb 21, 2022 by Wayne Linklater (wayne.linklater)
7. Aug 5, 2022 by 302822325
8. Aug 10, 2022 by 302822325

Date Submitted: Wed, 08 Mar 2023 20:34:38 GMT

Viewing: BA in Environmental Studies

Last approved: Wed, 10 Aug 2022 19:40:19 GMT

Last edit: Thu, 02 Nov 2023 22:39:25 GMT

Changes proposed by: Wayne Linklater (223005380)

Academic Group: (College)

Social Sciences & Interdisciplinary Studies

Academic Organization: (Department)

Environmental Studies

Catalog Year Effective:

2024-2025 Catalog

Individual(s) primarily responsible for drafting the proposed degree major program:

Name (First Last)	Email	Phone 999-999-9999
Wayne Linklater	wayne.linklater@csus.edu	916-278-6671

Type of Program Proposal:

Major

Program Change Type:

Non-Substantive

Delivery Format:

Fully Face to Face
Hybrid
Fully Online

What is the instructional modality of all courses in this program?

Both

Title of the Program:

BA in Environmental Studies

Designation: (degree terminology)

Bachelor of Arts

Briefly describe the program proposal (new or change) and provide a justification:

The Program Learning Objectives have been updated so that they better align with Bloom's taxonomy. Addition of a new course, ENVS 170 to Major electives
Removal of a no longer taught course, ENVS 124 (A 'Form A' for this purpose has also been submitted concurrently).
The addition of ENVS 170 to replace ENVS 124 is to update the curriculum from a general social justice content to an environmental justice emphasis so that the course is better aligned our Department's other course offerings and learning objectives.

Correction of structure so that an optional course, ENVS 199, is no longer counted towards total units.
ENVS 199 was never required for the ENVS Major. It has always been an optional course. However, due to a quirk in the structure of the catalogue it has been included in the calculation of total units (creating an unnecessary administrative requirement to waive units for many ENVS majors). We are moving ENVS 199 into the elective category to reflect its actual status as optional.

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines
Knowledge of human cultures and the physical and natural world
Integrative learning

Program Learning Outcomes

Program Learning Outcomes

Learning Outcome

1. Analyze environmental problems and solutions by applying scientific concepts.
2. Write and speak clearly and persuasively about environments and environmental management to an audience of peers and professionals.
3. Complete research tasks appropriate to analyzing environmental problems
4. Integrate knowledge, research, and interpretation about environmental topics with substantially greater sophistication than commonly expected in coursework.
5. Assess environmental problems and solutions by applying economic and political concepts.

Will this program be required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

Do these changes impact the Smart Planner roadmap?

No

Catalog Description:

Units required for Major: 66-69

Total units required for BA: 120

Program Description

The Environmental Studies program can help students use the resources of the entire University to gain an interdisciplinary understanding of such increasingly serious issues as pollution, wildlife and wilderness preservation, land use, biodiversity loss, resource depletion, energy conservation, and a generally healthful relationship between nature and society.

The major is designed to help students understand environmental issues in their political, social, and scientific context. Because dealing with environmental issues requires an interdisciplinary approach, we emphasize the development of strong writing, research, and quantitative skills and a broad liberal arts perspective.

Admission Requirements: Course prerequisites and other criteria for admission of students to the degree major program, and for their continuation in it.

Minimum Grade Requirement

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

As defined by policy <http://www.csus.edu/umannual/acadaff/fsm00010.htm>, a change in units constitutes a substantive change to the program. If your changes constitute a substantive change, please refer back to the "Program Change Type" field above to ensure that "Substantive" is selected.

Program Requirements: (If new courses are being created as part of a new program, it will be useful to propose courses first.)

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 1A	General Chemistry I ¹	5
or CHEM 6A	Introduction to General Chemistry	
ECON 1B	Introduction to Microeconomic Analysis ¹	3
or ECON 1A	Introduction to Macroeconomic Analysis	
ENVS 10	Introduction to Environmental Science	3
GEOG 1	Physical Geography: The Distribution of Natural Phenomena ¹	3
or GEOL 10	Physical Geology	
Required Upper Division Courses (30 Units)		
BIO 160	General Ecology	3

ENVS 111	Environmental Ethics	3
ENVS 112	International Environmental Problems ¹	3
ENVS 120	Quantitative Methods for Environmental Science	3
ENVS 121	Field Methods in Environmental Science	2
ENVS 122	Environmental Impact Analysis: CEQA and NEPA	3
ENVS/POLS 128	Environment and the Law	3
ENVS/POLS 171	Environmental Politics and Policy	3
ENVS 187	Environmental Studies Seminar	1
ENVS 190	Senior Thesis	3
ENVS 195	Environmental Studies Internship	3

Environmental Science Electives (6 Units)

Select two of the following courses: 6

ENVS 110	Contemporary Environmental Issues	
ENVS 130	Environmental Toxicology	
ENVS 135	California Water and Society	
ENVS 137	Conservation and Society	
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 170	Course ENVS 170 Not Found (New course: Environmental Justice - Form A submitted concurrently)	
ENVS 199	Special Problems (Requires faculty advisor)	

Interdisciplinary Electives (6 Units)

Select two of the following courses: 6

ECON 110	Cost Benefit Analysis	
ECON 123	Resource Economics	
ECON 162	Energy Economics	
ENVS/HIST 165	American Environmental History	
ENVS/SOC 138	Introduction to Environmental Sociology	
HIST 139A	Global Environmental History in the Age of Imperialism, 1450-Present Day	
GEOG 147	Urban Geography	
GEOG 148	Urban and Regional Planning	
GEOG 149	Transportation Geography	
GEOG 161	California's Water Resources	
RPTA 148 or RPTA 153	Experiential Education in Outdoor Recreation Settings Environmental Interpretation	
POLS 180	California State and Local Government	

Total Units**65-66**¹ Course also satisfies General Education (GE)/Graduation Requirement.**General Education Requirements ¹**

Code	Title	Units
Area A: Basic Subjects (9 Units)		
A1	Oral Communication	3
A2	Written Communication	3
A3	Critical Thinking	3
Area B: Physical Universe and Its Life Forms (3 Units)		
B1	Physical Science ²	0
B2	Life Forms ²	0
B3	Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5) ²	0
B4	Math Concepts	3

B5 - Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements. ^{2,3}	0
Area C: Arts and Humanities (12 Units)	
C1 - Arts	3
C2 - Humanities	3
C1/C2 - Area C Course	3
C1/C2 - Area C Course - Take upper-division course to complete Area & upper division requirements.	3
Area D: The Individual and Society (3 Units)	
Area D Course	3
Area D Course ²	0
Area D Course - Take upper-division course to complete Area & upper division requirements. ²	0
Area E: Understanding Personal Development (3 Units)	
Area E Course	3
Area F: Ethnic Studies	
Area F Course	
Total Units	30

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 (<http://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 Required in Major; also satisfies GE.

³ Department recommends taking ENV5 163 in Program Requirements - Environmental Science Electives to meet Area B5.

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 (<http://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 Required in Major; also satisfies 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>)

Fiscal Impact to Change an Existing Program

Indicate programmatic or fiscal impact which this change will have on other academic units' programs, and describe the consultation that has occurred with affected units:

No impact outside the ENV5 program

Provide a fiscal analysis of the proposed changes:

No fiscal impact, albeit efficiencies from reduced need to enter unit waiver forms.

How will the above changes be accommodated within the department/College existing fiscal resources?

no need for accommodation

Will the proposed changes require additional resources?

No

What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed?

None

Reviewer Comments:

Emily Wickelgren (wickelgr) (Thu, 16 Mar 2023 00:25:39 GMT): Rollback: See email on 3/15/23

Emily Wickelgren (wickelgr) (Fri, 05 May 2023 00:51:22 GMT): Rollback: See email on 5/4/23

Rachel Flamenbaum (flamenbaum) (Sun, 08 Oct 2023 00:19:23 GMT): Rollback: pls see email

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