

SUSTAINABLE ENVIRONMENTAL DESIGN, BACHELOR OF SCIENCE

College of Agricultural & Environmental Sciences

Department of Human Ecology; 1303 Hart Hall; 530-752-1805; Sustainable Environmental Design (http://humanecology.ucdavis.edu/lda/academic_programs/sed/); Faculty (https://humanecology.ucdavis.edu/people/?first=&last=&title=&unit=Landscape%20Architecture%20%2B%20Environmental%20Design&field_sf_person_type_target_id%5B0%5D=26)

The Sustainable Environmental Design major is intended to build student understanding and skills related to creation of sustainable communities and landscapes. Coursework emphasizes urban and environmental design, sustainable development theory & practice, green building, local government planning & decision-making, community dynamics & organizations, and written, graphic, and oral presentation of sustainability strategies.

The Program

The Sustainable Environmental Design major is particularly suited for students who are interested in the physical form & design of communities and related public & private processes. It is focused on the physical environment of communities and the process of designing, planning for, and regulating the built landscape and the place-making considerations involved in creating sustainable communities.

Advising Center

See Jana Krezo (skrezo@ucdavis.edu) (Snjezana J Krezo), 530-752-9322; Galyna Erdman (gerdman@ucdavis.edu), 530-752-2244

Lead Faculty Advisor

David De La Pena

Career Alternatives

Graduates will choose to pursue work in government, community organizations, education, or the private sector. They will also be well-positioned to pursue graduate education in city & regional planning, landscape architecture, architecture, public policy, public administration, law, real estate, and related fields.

Courses in Sustainable Environmental Design

See courses under Landscape Architecture (LDA) (<https://catalog.ucdavis.edu/courses-subject-code/lda/>).

The major requirements below are in addition to meeting University Requirements (<https://catalog.ucdavis.edu/undergraduate-education/university-degree-requirements/>) & College Requirements (<https://catalog.ucdavis.edu/undergraduate-education/college-degree-requirements/>), unless otherwise noted. The minimum number of units required for the Sustainable Environmental Design Bachelor of Science major is 101.

Code	Title	Units
Preparatory Subject Matter		
	English Writing/Oral Communication—Also counts toward English Composition Requirement (https://caes.ucdavis.edu/students/advising/academic-planning/bachelors-degree-requirements/)	8
	One course from ENL 003; UWP 001, UWP 001Y, UWP 001V, UWP 048, UWP 049, UWP 101, UWP 101Y, UWP 101V, UWP 102 series, or UWP 104 series; AND one course selected from the courses not selected above, or from CMN 001 or CMN 001V; COM 001, COM 002, COM 003, COM 004, or NAS 005.	
BIS 002B	Introduction to Biology: Principles of Ecology & Evolution	5
Choose one 4-unit course from each area below:		20
<i>Statistics</i>		
Statistics (STA) (https://catalog.ucdavis.edu/courses-subject-code/sta/)		
<i>Economics</i>		
Economics (ECN) (https://catalog.ucdavis.edu/courses-subject-code/ecn/)		
<i>Political Science</i>		
Political Science (POL) (https://catalog.ucdavis.edu/courses-subject-code/pol/)		
<i>Sociology</i>		
Sociology (SOC) (https://catalog.ucdavis.edu/courses-subject-code/soc/)		
<i>Physical Sciences</i>		
Astronomy (AST) (https://catalog.ucdavis.edu/courses-subject-code/ast/)		
Chemistry (CHE) (https://catalog.ucdavis.edu/courses-subject-code/che/)		
Geology (GEL) (https://catalog.ucdavis.edu/courses-subject-code/gel/)		
Physics (PHY) (https://catalog.ucdavis.edu/courses-subject-code/phy/)		
Soil Science (SSC) (https://catalog.ucdavis.edu/courses-subject-code/ssc/)		
LDA 003	Sustainable Development: Theory & Practice	4
LDA 021	Landscape Representation I	4
LDA 050	Site Ecology	4
LED 001	Introduction to Environmental Design or LDA 001 DISCONTINUED FOR WINTER 2026 **	4
LED 002	Place, Culture & Community or LDA 002 DISCON	4
LED 030	History of Environmental Design or LDA 030 DISCONTINUED FOR SPRING 2025 **	4
LDA 070	Introduction to Spacemaking or LDA 070 DISCON	4
Preparatory Subject Matter Subtotal		
Depth Subject Matter		
LDA 141	Community Participation & Design	4
LED 140	Green Building, Design, & Materials or LDA 140 DISCON	4
LED 142	Applying Sustainable Strategies or LDA 142 DISCONTINUED FOR WINTER 2026 **	6

ESP 171	Urban & Regional Planning	4
LDA 190	Proseminar in Landscape Architecture (Two quarters for 2 units total. Discontinued for winter 2026)	2
Depth Subject Matter Subtotal		20
Restricted Electives		
Choose 20 units of upper division courses chosen from courses related to Community Sustainability.		
Internship; recommended		0-5
Restricted Electives Subtotal		20-25
Total Units		101-106

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Course(s) discontinued; see your advisor for course options.