

# SUSTAINABLE ENVIRONMENTAL DESIGN, BACHELOR OF SCIENCE

College of Agricultural & Environmental Sciences

## Program Office

Department of Human Ecology; 1303 Hart Hall; 530-752-1805; Sustainable Environmental Design ([http://humanecology.ucdavis.edu/lda/academic\\_programs/sed/](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](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 Major Program

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](mailto:skrezo@ucdavis.edu)) (Snjezana J Krezo); 530-752-9322; Galyna Erdman ([gerdman@ucdavis.edu](mailto:gerdman@ucdavis.edu)) (Galyna Erdman); 530-752-2244; Jenniie Nguyen ([jengu@ucdavis.edu](mailto:jengu@ucdavis.edu)) (Jennifer Nguyen); 530-752-4113;

## Lead Faculty Advisor

N. Claire Napawan ([ncnapawan@ucdavis.edu](mailto:ncnapawan@ucdavis.edu))

## 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 course listing under Landscape Architecture (<https://humanecology.ucdavis.edu/lda-course-descriptions/>).

Code	Title	Units
<b>Preparatory Subject Matter</b>		
	English Writing/Oral Communication—Also counts toward English Composition Requirement ( <a href="https://caes.ucdavis.edu/students/advising/academic-planning/bachelors-degree-requirements/">https://caes.ucdavis.edu/students/advising/academic-planning/bachelors-degree-requirements/</a> )	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; 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) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/sta/">https://catalog.ucdavis.edu/courses-subject-code/sta/</a> )	
<i>Economics</i>		
	Economics (ECN) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ecn/">https://catalog.ucdavis.edu/courses-subject-code/ecn/</a> )	
<i>Political Science</i>		
	Political Science (POL) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/pol/">https://catalog.ucdavis.edu/courses-subject-code/pol/</a> )	
<i>Sociology</i>		
	Sociology (SOC) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/soc/">https://catalog.ucdavis.edu/courses-subject-code/soc/</a> )	
<i>Physical Sciences</i>		
	Astronomy (AST) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ast/">https://catalog.ucdavis.edu/courses-subject-code/ast/</a> )	
	Chemistry (CHE) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/che/">https://catalog.ucdavis.edu/courses-subject-code/che/</a> )	
	Geology (GEL) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/gel/">https://catalog.ucdavis.edu/courses-subject-code/gel/</a> )	
	Physics (PHY) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/phy/">https://catalog.ucdavis.edu/courses-subject-code/phy/</a> )	
	Soil Science (SSC) ( <a href="https://catalog.ucdavis.edu/courses-subject-code/ssc/">https://catalog.ucdavis.edu/courses-subject-code/ssc/</a> )	
LDA 001	Introduction to Environmental Design	4
LDA 002	Place, Culture & Community	4
LDA 003	Sustainable Development: Theory & Practice	4
LDA 021	Landscape Representation I	4
LDA 030	History of Environmental Design	4
LDA 050	Site Ecology	4
LDA 070	Introduction to Spacemaking	4
Preparatory Subject Matter Subtotal		61
<b>Depth Subject Matter</b>		
LDA 140	Green Building, Design, & Materials	4
LDA 141	Community Participation & Design	4
LDA 142	Applying Sustainable Strategies	6
ESP 171	Urban & Regional Planning	4
LDA 190	Proseminar in Landscape Architecture (Two quarters for 2 units total.)	2
Depth Subject Matter Subtotal		20
<b>Restricted Electives</b>		
Choose 20 units of upper division courses chosen from courses related to Community Sustainability.		20
Internship; recommended		0-5
Restricted Electives Subtotal		20-25
<b>Total Units</b>		<b>101-106</b>