

# Sustainable Design

Sustainable design implies making decisions at various scales of the built environment (buildings, communities, land use patterns, urban support systems) in ways that support environmental quality, social equity, and economic vitality. The undergraduate minor in sustainable design is jointly offered by the Department of Architecture and the Department of Landscape Architecture and Environmental Planning, but also includes interdisciplinary courses across campus. The minor is open to all majors at UC Berkeley.

There is no major program; students interested in pursuing this course of study at the major level should consider the BA in Architecture program (<http://guide.berkeley.edu/archive/2014-15/undergraduate/degree-programs/architecture>).

## Declaring the Minor

For your minor to be added to your transcript, you must file the CED Minor Completion form ([http://www.ced.berkeley.edu/downloads/forms/academic/ced\\_minor-completion.pdf](http://www.ced.berkeley.edu/downloads/forms/academic/ced_minor-completion.pdf)) with the Office of Undergraduate Advising in 250 Wurster Hall during the semester in which you complete your last class for the minor.

## Other Minors Offered by the Department of Architecture

For information regarding other minors offered by the Department of Architecture, please see the applicable section in this Bulletin: Architecture (<http://guide.berkeley.edu/archive/2014-15/undergraduate/degree-programs/architecture>)

Environmental Design and Urbanism in Developing Countries (<http://guide.berkeley.edu/archive/2014-15/undergraduate/degree-programs/environmental-design-urbanism-developing-countries>)

History of the Built Environment (<http://guide.berkeley.edu/archive/2014-15/undergraduate/degree-programs/history-built-environment>)

Social and Cultural Factors in Design (<http://guide.berkeley.edu/archive/2014-15/undergraduate/degree-programs/social-cultural-factors-environmental-design>)

## General Information

Website: Department of Architecture (<http://ced.berkeley.edu/academics/architecture>), Department of Landscape Architecture and Environmental Planning (<http://ced.berkeley.edu/academics/landscape-architecture-environmental-planning>)

Department Office: 232 Wurster Hall, 510-642-4942

Department Chair, Architecture: Tom J. Buresh, MArch, [buresh@berkeley.edu](mailto:buresh@berkeley.edu), 232A Wurster Hall, 510-642-4942

Department Chair, Landscape Architecture and Environmental Planning: Louise A. Mozingo, MLA; [imozingo@berkeley.edu](mailto:imozingo@berkeley.edu); 310 Wurster Hall; 510-643-9804

Undergraduate Major Chair: Lisa Iwamoto, MArch; [liwamoto@berkeley.edu](mailto:liwamoto@berkeley.edu); 339 Wurster Hall

Associate Dean for Undergraduate Studies: Renee Chow, MArch, SBAD; [rychow@berkeley.edu](mailto:rychow@berkeley.edu); 366 Wurster Hall

Director, Office of Undergraduate Advising: Susan Hagstrom; [hagstrom@berkeley.edu](mailto:hagstrom@berkeley.edu); 250 Wurster Hall; 510-642-0408

Minor Program Faculty Adviser: Joe McBride, PhD; [jrm2@berkeley.edu](mailto:jrm2@berkeley.edu); 412B Wurster Hall; 510-643-5322

Minor Program Faculty Adviser: Gail Brager, PhD;

[gbrager@berkeley.edu](mailto:gbrager@berkeley.edu); 386 Wurster Hall

Minor Program Staff Adviser: Lauren Worrell, [worrell@berkeley.edu](mailto:worrell@berkeley.edu); 250 Wurster Hall

CED Career Services (<http://ced.berkeley.edu/ced/students/career>)

## Prerequisites

Select one of the following: 3

CIV ENG 11	Engineered Systems and Sustainability
ENV DES 1	Introduction to Environmental Design
ENV DES 4A	Design and Activism
ENV DES 4B	Global Cities
ENV DES 4C	Future Ecologies: Urban Design, Climate Adaptation, and Thermodynamics
ENV SCI 10	Introduction to Environmental Sciences
ESPM C10	Environmental Issues
GEOG 1	Global Environmental Change
LD ARCH 12	Environmental Science for Sustainable Development

## Required Upper Division Courses

Select five additional courses (minimum of two courses from each list below), all completed with a letter grade of C- or better:

### List 1: CED Courses

ARCH 140	Energy and Environment	4
ARCH 149	Special Topics in Energy and Environment <sup>2</sup>	1-4
ARCH 169	Special Topics in Construction Materials <sup>2</sup>	1-4
ARCH 240	Advanced Study of Energy and Environment	3
ARCH 241	Research Methods in Building Sciences	3
ARCH 242	Sustainability Colloquium <sup>1</sup>	1,2
ARCH 243	Natural Cooling: Sustainable Design for a Warming Planet	3
ARCH 244	The Secret Life of Buildings	3
ARCH 245	Daylighting	3
ARCH 249	Special Topics in the Physical Environment in Buildings	4
CY PLAN 114	Introduction to Urban and Regional Transportation	3
CY PLAN 119	Planning for Sustainability	3
CY PLAN 254	Sustainable Communities	3
CY PLAN 256	Course Not Available	3
ENV DES 105	Deep Green Design	4
ENV DES 198	Directed Group Study <sup>1</sup>	1-4
ENV DES 198	Directed Group Study <sup>1</sup>	1-4
LD ARCH 103	Energy, Fantasy, and Form	5
LD ARCH 110	Ecological Analysis	3
LD ARCH 122	Environmental Science for Sustainable Development	4
LD ARCH 130	Sustainable Landscapes and Cities	3
LD ARCH 138AC	The Metropolitan Landscape	3

- <sup>1</sup> The ARCH 242 Sustainability Colloquium colloquium and ENV DES 198 Directed Group Study may only count as a third course from this list and may be taken P/NP for either 1 or 2 units.
- <sup>2</sup> Special Topics courses will be evaluated each semester by student request. Please ask the relevant staff adviser if a course has been reviewed and/or approved.

**Lis 2: Non-CED Courses**

ANTHRO 137	Energy, Culture and Social Organization	4
CIV ENG 103	Introduction to Hydrology	3
CIV ENG 107	Climate Change Mitigation	3
CIV ENG 113N	Ecological Engineering for Water Quality Improvement	3
CIV ENG 292A	Technologies for Sustainable Societies <sup>1</sup>	1
ENE,RES C100	Energy and Society	4
ENE,RES 101	Ecology and Society	3
ENE,RES 102	Quantitative Aspects of Global Environmental Problems	4
ENE,RES 151	Course Not Available	4
ENE, RES 175	Course Not Available	4
ESPM 102D	Climate and Energy Policy	4
ESPM 117	Urban Garden Ecosystems	4
ESPM 151	Society, Environment, and Culture	4
ESPM 155	Sociology and Political Ecology of Agro-Food Systems	4
ESPM 161	Environmental Philosophy and Ethics	4
ESPM 163	Course Not Available (formerly SOCIOL 128AC)	4
ESPM 166	Natural Resource Policy and Indigenous Peoples	4
ESPM C167	Environmental Health and Development	4
ESPM 168	Political Ecology	4
ENV SCI 125	Environments of the San Francisco Bay Area	3
ENVECON C101	Environmental Economics	4
ENVECON C102	Natural Resource Economics	4
ENVECON 162	Economics of Water Resources	3
ENVECON C175	The Economics of Climate Change	4
GEOG 130	Food and the Environment	4
PUB POL 182	Environment and Technology from the Policy and Business Perspective	4
SOCIOL 123	Course Not Available	4
SOCIOL 128	Course Not Available	4

- <sup>1</sup> CIV ENG 292A Technologies for Sustainable Societies may only count as a third course from List 2.

All upper-division courses must be completed with a grade of C- or better

**Faculty Advisers**

Joe McBride  
412B Wurster Hall  
jrm2@berkeley.edu

Gail Brager  
232 Wurster Hall  
gbrager@berkeley.edu

**Staff Adviser <sup>1</sup>**

Lauren Worrell  
250 Wurster Hall  
worrell@berkeley.edu

**Courses**

No courses found for AGR CHM