The Sustainable Environmental Design major recognizes that the emergent, multidisciplinary field of sustainability science is growing rapidly. As the world population urbanizes, the planning and design of resilient, resource-efficient, healthy and socially just cities and metropolitan regions is profoundly important. The College of Environmental Design, with its long-standing expertise in sustainable urbanism and design, is an ideal setting for an undergraduate major in sustainable environmental design, with a focus on the built environment.

The major offers students a critical understanding of the sustainability challenges facing urban regions in California and around the globe, and equips them with the technical, analytic, and design tools key to devising creative solutions. Graduates have many career paths and fields of graduate study open to them. Students who complete this major will:

1. Understand the application of physical, biological, and social science in the design of sustainable cities and metropolitan regions
2. Understand sustainable urban technologies and design strategies
3. Comprehend issues of equity and social justice as they relate to sustainable cities and regions
4. Evaluate and monitor the present state and future potential of built environments in terms of sustainability
5. Comprehend the implications of policy and institutions and their potential to shape future sustainable cities and regions

For information about the College of Environmental Design's degree programs, see ced.berkeley.edu/academics/

**MINIMUM ELIGIBILITY REQUIREMENTS FOR ADMISSION**

For information about admission to the Sustainable Environmental Design major in the College of Environmental Design, see CED's prospective student website: http://ced.berkeley.edu/admissions/undergraduate/transfer-applicants/

-The UC applicant personal statement is important in the selection process at Berkeley. The College reviews the personal statement for evidence of the student's interest in the chosen field and a thoughtful match between the academic program and the student's academic and career objectives.

-A minimum 3.0 overall UC transferable grade-point average is required for admission consideration.

-All courses required for admission, including breadth requirements, must be taken for a letter grade.
To: UC Berkeley, From: Gavilan College, 18-19

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Sustainable Environmental Design, Lower Division B.A. (continued)
- Course work must be completed by the end of the spring term that precedes fall enrollment at Berkeley.

- As a community college transfer applicant you must complete, at a minimum, course work identified on ASSIST.org as comparable to the UC Berkeley courses below.

LOWER-DIVISION MAJOR REQUIREMENTS

Environmental Design 1
Landscape Architecture 12 (this course will also fulfill CED's Biological Sciences breadth requirement)
Math 16A or 1A
Statistics 2, C8, 20, 21
Physics 7A or 8A (this course will also fulfill CED's Physical Sciences breadth requirement)
Economics 1, 2, C3, or Envecon C1 (this course will also fulfill CED's Social and Behavioral Sciences breadth requirement)

Courses required for admission to the Sustainable Environmental Design major may also be used to complete IGETC certification. Check with your community college counselor for more information.

GENERAL EDUCATION/BREADTH REQUIREMENTS

READING AND COMPOSITION (R&C)

English R1A
English R1B

SEVEN-COURSE BREADTH

Arts & Literature

Biological Science (Landscape Architecture 12 will also fulfill the Lower-Division Major Requirement)
Historical Studies
International Studies
Philosophy and Values
Physical Science (Physics 7A or 8A will also fulfill the Lower-Division Major Requirement)
Social and Behavioral Sciences (Economics 1, 2, C3 or Envecon C1 will also fulfill the Lower-Division Major Requirement)

You must fulfill all of the required Lower-Division Major and General Education/Breadth Requirements outlined above to be considered for admission. All courses required for admission, including General Education/Breadth Requirements, must be taken for a letter grade.

If you are using IGETC to fulfill CED's College Requirements, you must have full certification. Partial certification will not complete the requirements. Be sure to check with your community college about the procedures involved in certification of IGETC. The University will require the official certification
Sustainable Environmental Design, Lower Division B.A. (continued)

by the July 1 deadline.

If you will not complete IGETC certification, you must follow exactly the articulation agreements between your school and the CED Sustainable Environmental Design major as described on this ASSIST.org website.

Regardless of how you complete the General Education/Breadth Requirements, you must also complete the Lower-Division Major Requirements with articulated courses outlined on ASSIST.org.

For more information on applying to CED:
College of Environmental Design
Office of undergraduate Advising
250 Wurster Hall
ced.berkeley.edu/ced/students/undergraduate-advising/
(510) 642-4943

Prospective student website:
ced.berkeley.edu/admissions/undergraduate/transfer-applicants

For more information on admission to UC Berkeley:
http://admissions.berkeley.edu

For more information on majors at UC Berkeley:
Berkeley Academic Guide: http://guide.berkeley.edu

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LOWER-DIVISION MAJOR REQUIREMENTS

If your college does not offer courses articulated with ENV DES 1 and LD ARCH 12, see the CED prospective student website for a list of colleges that offer articulated Environmental Design courses:
ced.berkeley.edu/ced/students/undergraduate-advising/articulation#table

If you are unable to attend a college that offers ENV DES 1 and/or LD ARCH 12 equivalents, please contact SED Major Advisor Nancy Trinh Chieng immediately to discuss possible options, e.g. demonstrating interest in the major via related coursework.

You may also wish to look into taking the mandatory Lower-Division Major Requirements at UC Berkeley during the summer (See http://summer.berkeley.edu)
or via University Extension Concurrent Enrollment if class space is available (see http://extension.berkeley.edu/info/enrollment.html).
Sustainable Environmental Design, Lower Division B.A. (continued)

Some students are able to take one or more of the Lower-Division Major Requirements at UC Berkeley via the Intersegmental Cross-Enrollment program, which allows students who meet certain eligibility criteria AND are enrolled at a California community college to enroll in a maximum of one course per academic term at UC Berkeley on a space-available basis, paying community college fees. See classes/visitor-and-exchange-programs.

Finally, if it is impossible for you to attend a school that offers courses articulated with the mandatory Lower-Division Major Requirements, you may submit comparable courses for evaluation using the "Evaluation of Transfer Coursework: Prospective Students" form on this page: ced.berkeley.edu/ced/students/undergraduate-advising/forms-documents.

If you do not complete the articulated Lower-Division Major Requirements, you will not be admitted to CED.

ENV DES 1 People and Environmental Design (3) NO COURSE ARTICULATED

BIOLOGICAL SCIENCE: Take LD ARCH 12

LD ARCH 12 Environmental Science for Sustainable Development (4) NO COURSE ARTICULATED

NOTE: Most community colleges will not have an articulated course for LD ARCH 12. Please contact the Sustainable Environmental Design major adviser for information about having a course (or courses) from your community college evaluated for this requirement.

MATH 16A Analytic Geometry and Calculus (3) MATH 1A Single-Variable Calculus and Analytic Geometry (4)

OR

MATH 1A Calculus (4) MATH 1A Single-Variable Calculus and Analytic Geometry (4)

OR

STAT 2 Introduction to Statistics (4) MATH 5 Introduction to Statistics (3)

OR

STAT C8 Foundations of Data Science (4) NO COURSE ARTICULATED

OR

STAT 20 Introduction to Probability and Statistics (4) NO COURSE ARTICULATED

NOTE: STAT 20 at Berkeley has a prerequisite of one semester of calculus.
Sustainable Environmental Design, Lower Division B.A. (continued)

STAT 21    Introductory Probability   (4)|NO COURSE ARTICULATED
and Statistics for Business

NOTE: STAT 21 at Berkeley has a prerequisite of one semester of calculus.

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PHYSICAL SCIENCE:  Take one of the following:
PHYSICS 7A or PHYSICS 8A.

PHYSICS 7A  Physics for Scientists and Engineers (4) | PHYS 4A  Physics for Scientists and Engineers - Mechanics (4)
PHYSICS 8A  Introductory Physics (4) | NO COURSE ARTICULATED

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SOCIAL AND BEHAVIORAL SCIENCES:  Take one of the following:
ECON 1 or ECON 2 or ECON C3 or ENVECON C1.

ECON 1  Introduction to Economics  (4) | ECON 1 &  Principles of Macroeconomics (3)
ECON 2  Principles of Microeconomics (3)

NOTE: Berkeley's ECON 1 covers macro-economics and micro-economics.

ECON 2  Introduction to Economics, Lecture Format (4) | NO COURSE ARTICULATED
NOTE: Berkeley's ECON 2 covers macro-economic and micro-economics.

ECON C3  Introduction to Environmental Economics and Policy (4) | NO COURSE ARTICULATED
Same as: ENVECON C1

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GENERAL EDUCATION/BREADTH REQUIREMENTS

All courses required for admission, including General Education/Breadth requirements, must be taken for a letter grade.

Course work must be completed by the end of the spring term that precedes fall enrollment at Berkeley.

Students may use Advanced Placement, A-Level Exams, and International Baccalaureate coursework to satisfy certain requirements. Contact the CED Office of Undergraduate advising for minimum exam scores and course equivalents: ced.berkeley.edu/ced/students/undergraduate-advising/forms-documents/
Sustainable Environmental Design, Lower Division B.A. (continued)
The College of Environmental Design (CED) will accept IGETC or Reading and Composition plus 7-Course Breadth to satisfy the General Education Requirements.

IGETC certification will fulfill some, but not all, of the lower division admissions requirements for the College of Environmental Design. Students must still complete all of the Lower-Division Major Requirements listed above.

IMPORTANT: Students applying to the College of Environmental Design should select breadth courses from the following lists with these caveats:

1. No more than two CED courses (Architecture, Landscape Architecture, Visual Studies, Environmental Design, Urban Studies, and City and Regional Planning) may be used to fulfill CED's breadth requirements.

2. No more than two courses offered by the same department may be used towards the seven breadth requirements.

------------------------------------------------------------------------------------------------------------------------------------
**READING AND COMPOSITION (R&C)**
------------------------------------------------------------------------------------------------------------------------------------
| ENGLISH R1A | Reading and Composition (4) | ENGL 1A | Composition (3) |
------------------------------------------------------------------------------------------------------------------------------------
| ENGLISH R1B | Reading and Composition (4) | ENGL 1B | Composition and Literature (3) |
------------------------------------------------------------------------------------------------------------------------------------

**7 COURSE BREADTH REQUIREMENT**
------------------------------------------------------------------------------------------------------------------------------------
**** Take one course from each of the following seven areas ****
------------------------------------------------------------------------------------------------------------------------------------
**ARTS AND LITERATURE:** Courses that involve significant engagement with arts, literature, or language (excluding language instruction or the acquisition of technical skills), either through practical engagement with works of art or through the creation of art.
Sustainable Environmental Design, Lower Division B.A. (continued)

Courses that satisfy the Arts and Literature Seven-Course Breadth Requirement:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1A</td>
<td>Art History</td>
<td>3</td>
</tr>
<tr>
<td>ART 1B</td>
<td>Art History</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2B</td>
<td>American Ethnic Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2C</td>
<td>Introduction to Film and Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2E</td>
<td>Introduction to Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4A</td>
<td>British Literature - 449 through 1798 A.D.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4B</td>
<td>British Literature - 1798 to Present</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5A</td>
<td>Survey of American Literature - 1620 to 1865</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5B</td>
<td>Survey of American Literature - 1865 to Present</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 9A</td>
<td>Introduction to Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 9B</td>
<td>Advanced Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 9C</td>
<td>Creative Writing: Poetry</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3</td>
<td>Introduction to Cinematic Arts, Film and Television</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4</td>
<td>Introduction to American Cinema</td>
<td>3</td>
</tr>
<tr>
<td>MUS 1A</td>
<td>Music History and Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUS 1B</td>
<td>Music History and Literature</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1</td>
<td>Theater History: Greece to Restoration</td>
<td>3</td>
</tr>
</tbody>
</table>

BIOLOGICAL SCIENCE: Take LD ARCH 12

LD ARCH 12 Environmental Science (4) NO COURSE ARTICULATED

HISTORICAL STUDIES: Most courses in the department of History, and other courses that deal primarily with the human events, institutions, and activities of the past.
Sustainable Environmental Design, Lower Division B.A. (continued)

Courses that satisfy the **Historical Studies** Seven-Course Breadth requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1</td>
<td>United States History through Reconstruction</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 2</td>
<td>United States History Reconstruction to the Present</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 3</td>
<td>History of California</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 5</td>
<td>Women's Lives in Early U.S. History</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 7A</td>
<td>History of Western Civilization</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 7B</td>
<td>History of Western Civilization</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 12</td>
<td>Mexican American Cultural History Same as: HUM 12</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**INTERNATIONAL STUDIES:** Courses that involve the study of the contemporary politics, culture, arts, or socioeconomic structure of at least one country other than the U.S., or courses that involve comparison between the U.S. and another country (subcultures within the U.S. do not qualify as subjects of study for the purposes of this requirement).

**NOTE:** As of Fall 2016, study of a language other than English will **not** meet the International Studies Breadth requirement.

Courses that satisfy the **International Studies** Seven-Course Breadth Requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 3</td>
<td>Introduction to Comparative Politics</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**PHILOSOPHY AND VALUES:** Most courses in the department of Philosophy, plus courses with a major focus on religion, ethics, legal values, or leading philosophical figures.

Courses that satisfy the **Philosophy and Values** Seven-Course Breadth Requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 1</td>
<td>Introduction to Philosophy</td>
<td>(3)</td>
</tr>
<tr>
<td>PHIL 2</td>
<td>Introduction to Logic</td>
<td>(3)</td>
</tr>
<tr>
<td>PHIL 3A</td>
<td>Ethics Same as: AJ 3A</td>
<td>(3)</td>
</tr>
<tr>
<td>PHIL 6</td>
<td>Comparative Religions</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**PHYSICAL SCIENCE:** Take one of the following: PHYSICS 7A or PHYSICS 8A.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICS 7A</td>
<td>Physics for Scientists and Engineers</td>
<td>(4)</td>
</tr>
<tr>
<td>PHYSICS 8A</td>
<td>Introductory Physics</td>
<td>(4)</td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>Physics for Scientists - Mechanics</td>
<td>(4)</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO COURSE ARTICULATED</td>
<td></td>
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</tbody>
</table>
### Sustainable Environmental Design, Lower Division B.A. (continued)

**SOCIAL AND BEHAVIORAL SCIENCES:** Take one of the following:
- ECON 1 or ECON 2 or ECON C3 or ENVECON C1.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 1</td>
<td>Introduction to Economics</td>
<td>4</td>
<td>ECON 1 &amp; Principles of Microeconomics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ECON 2 Principles of Macroeconomics</td>
</tr>
<tr>
<td></td>
<td>Lecture Format</td>
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<tr>
<td>NOTE:</td>
<td>Berkeley's ECON 1 covers macro-economics and micro-economics.</td>
<td></td>
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<tr>
<td>OR</td>
<td>ECON 2 Introduction to Economics, Lecture Format</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>NOTE:</td>
<td>Berkeley's ECON 2 covers macro-economic and micro-economics.</td>
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<tr>
<td>OR</td>
<td>ECON C3 Introduction to Environmental Economics and Policy</td>
<td>4</td>
<td>NO COURSE ARTICULATED</td>
</tr>
<tr>
<td></td>
<td>Same as: ENVECON C1</td>
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<tr>
<td>NOTE:</td>
<td>A score of 3 or above on the AP Microeconomics or Macroeconomics exam will also satisfy this requirement for the Sustainable Environmental Design major.</td>
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</tbody>
</table>

**END OF MAJOR**