

# ARCHITECTURE

# MAJOR HANDBOOK

DEPARTMENT OF ARCHITECTURE  
COLLEGE OF ENVIRONMENTAL DESIGN  
UNIVERSITY OF CALIFORNIA, BERKELEY

2012-2013

For Students Admitted Fall 2012 and Later

*Download this handbook from the web at [ced.berkeley.edu/advising/forms](http://ced.berkeley.edu/advising/forms)*

## ARCHITECTURE AT BERKELEY

The undergraduate program in architecture leads to the Bachelor of Arts (BA) degree. It combines required courses in environmental design and architecture with opportunities for highly varied individual programs. Through its core courses, the program offers a broad introduction to the field of architecture, and through studies in the various areas it provides opportunities to prepare for specialization in the field in the areas of architectural design and representation, architectural technologies and building performance, architectural history, and society and culture.

In addition to offering a sound and well-rounded education, undergraduate studies can also provide pre-professional competency for entry-level employment in architecture, the option for graduate work in architecture, or further studies in a related environmental design field.

Some graduates go on to obtain professional degrees in architecture or in other related fields; many others work in architectural offices, construction, government, or industry. Employment opportunities exist also at the community level, particularly in those communities which traditionally have not been served by professional architectural practice. The overall aim of the undergraduate program is to establish a strong foundation for a diversity of careers and to provide for mobility and flexibility to suit changing individual opportunities.

**Accreditation and Licensing.** The BA degree is a pre-professional degree and provides the foundation for entry to a Master of Architecture program, the most widespread professional degree program in Architecture in the US. The BA degree can also be applied toward licensing requirements in the State of California. See the *National Architectural Accrediting Board* [naab.org](http://naab.org) for more information on accreditation. See the *California Architect's Board* [cab.ca.gov/](http://cab.ca.gov/) and the *National Council of Architectural Registration Board* [ncarb.org](http://ncarb.org) for more information on licensing.

**Minors.** See the [CED](http://ced.berkeley.edu) website for information on undergraduate minors offered by the Department of Architecture, as well as other minors available to architecture majors.

## UNDERGRADUATE ADVISING

### FACULTY ADVISORS

#### Department Chair

**Professor Tom Buresh**  
232 Wurster Hall  
510-642-4942  
[archchair@berkeley.edu](mailto:archchair@berkeley.edu)

#### Undergraduate Major Chair

**Associate Professor Lisa Iwamoto**  
339 Wurster Hall  
[liwamoto@berkeley.edu](mailto:liwamoto@berkeley.edu)

#### Associate Dean for Undergraduate Studies

**Professor C. Greig Crysler** (2011-12)  
354 Wurster Hall  
510- 642-4228  
[crysler@berkeley.edu](mailto:crysler@berkeley.edu)

### STAFF ADVISORS

#### Office of Undergraduate Advising

250 Wurster Hall  
510-642-4943  
[ced.berkeley.edu/advising](http://ced.berkeley.edu/advising)

#### Architecture Advisors

**Rachel Klein** (*students with last name A-N*)  
250 Wurster  
510-642-4943  
510-642-4944 (direct)  
[rachelk@berkeley.edu](mailto:rachelk@berkeley.edu)

**Lauren Roscoe** (*students with last name O-Z*)  
250 Wurster  
510-642-4943  
510-642-0928 (direct)  
[lroscoe@berkeley.edu](mailto:lroscoe@berkeley.edu)

#### Director of CED Undergraduate Advising

**Susan Hagstrom**  
250 Wurster  
510-642-4943  
510-642-0408 (direct)  
[hagstrom@berkeley.edu](mailto:hagstrom@berkeley.edu)

#### College Evaluator (transfer work evaluation)

**Lauren Roscoe**  
250 Wurster  
510-642-4943  
510-642-0928 (direct)  
[lroscoe@berkeley.edu](mailto:lroscoe@berkeley.edu)

## DEGREE REQUIREMENTS

The architecture department has recently updated its offerings to enhance courses in design and digital design and to emphasize subject areas that address compelling societal and environmental challenges. Additionally, courses have been reorganized into three course groups: (1) Architectural Design and Representation; Professional Practice; (2) Architectural History, Culture, and Society; and (3) Architectural Technologies and Building Performance.

Students who intend to pursue graduate work in the field are advised to acquaint themselves thoroughly with the prerequisites for entry into the appropriate graduate programs and to prepare their course of study with an architecture department advisor. Students interested in taking courses in structural/civil engineering should be aware of the special lower-division mathematics, physics, and engineering prerequisites for these courses.

### Summary of Degree Requirements

- A. University and Berkeley Campus Requirements
- B. CED College Requirements
- C. Architecture Major Requirements
- D. General Electives (optional to reach 120 units)
- E. Unit and Semester Requirements

#### A. *University and Berkeley Campus Requirements*

All undergraduate students at UC Berkeley must complete:

- Entry-Level Writing Requirement
- American History and Institutions
- American Cultures

#### B. *CED College Requirements*

*Students who have been away from the University for five or more years are held to the college and major requirements that are in place when they re-enroll at UCB.*

1. Reading & Composition A & B. *See the CED Advising website for more information on R&C course placement. Must be completed with a letter grade of C- or better.*
2. Seven Course Breadth Requirement. *This requirement must be fulfilled with courses taken outside of the College of Environmental Design.*
  - Social and Behavioral Sciences\*
  - Physical Science--Physics 7A or 8A (also fulfills lower division major requirement)
  - Biological Science\*
  - International Studies\*
  - Arts and Literature\*
  - Historical Studies\*
  - Philosophy and Values\*

*\* May be taken on a Passed/Not Passed basis (maximum of one requirement). All other courses above must be completed with a letter grade of C- or better.*

For a list of courses that fulfill the Seven Course Breadth Requirement, see <http://ls-advise.berkeley.edu/requirements/breadth7.html>. CED students cannot use CED courses to fulfill breadth requirements, even if they appear on this list. In addition, CED students may not use any courses cross-listed with CED courses to fulfill breadth.

CED students may use any second semester language course to fulfill the International Studies (IS) breadth requirement (exception: students may *not* use their native language to fulfill IS breadth). IS may also be satisfied by participation in the UC Education Abroad Program or a recognized equivalent program.

CED students may apply high school exam credit (Advanced Placement, International Baccalaureate, A-Level Exam) towards many of the above requirements. See the CED website section on High School Exam Credit for more information: <http://www.ced.berkeley.edu/advising/forms>

3. Three Upper-division College of Environmental Design courses outside of Architecture. Must be completed with a letter grade of C- or better.

Three upper-division CED courses must be taken outside the architecture major (nine units minimum). Each of the three courses must be at least two units and must be within the 100-299 course number range. This requirement can be fulfilled with courses in Environmental Design, Visual Studies, Landscape Architecture, and City and Regional Planning.

### **C. Architecture Major Requirements**

*Students who have been away from the University for five or more years are held to the college and major requirements that are in place when they re-enroll at UCB.*

1. Lower-Division Major Requirements:

*These courses must be completed with a letter grade of C- or better.*

- ENV DES 1 People and Environmental Design
- ENV DES 11A Introduction to Visual Representation and Drawing
- ENV DES 11B Introduction to Design
- MATH 16A or Math 1A
- PHYSICS 8A or 7A (course also completes Physical Science breadth requirement)

2. Upper Division Major Requirements, (10-11 courses):

*You must earn a 2.0 average in upper division major requirements.*

**STUDENTS ADMITTED TO CAL FL 2012 AND LATER ALL ARCHITECTURE MAJORS MUST COMPLETE THE FOLLOWING SIX COURSES DURING THEIR JUNIOR YEAR:**

**Architectural Design and Representation.** Two required courses:

- ARCH 100A Fundamentals of Architectural Design
- ARCH 100B Fundamentals of Architectural Design

**Architectural History, Culture, and Society.** Three required core courses:

- ARCH 170A An Historical Survey of Architecture and Urbanism (Part 1) and
- ARCH 170B An Historical Survey of Architecture and Urbanism (Part 2) plus
- *Either* ARCH 110AC The Social and Cultural Basis of Design *or* ARCH 130 Introduction to Design Theories and Methods

**Architectural Technologies and Building Performance.** One of the following two courses:

- *Either* ARCH 140 Energy and Environment *or* ARCH 160 Introduction to Construction

**PRIOR TO TELE-BEARS DURING SPRING OF THE JUNIOR YEAR, EACH ARCHITECTURE MAJOR MUST MEET WITH A FACULTY ADVISER TO SELECT ONE OF THE FOLLOWING TWO OPTIONS FOR THE SENIOR YEAR.**

**OPTION ONE** (5 courses total, in addition to the 6 above):

- ARCH Capstone Prep
- Capstone Electives. Choose three from list
- ARCH Capstone Project

**OPTION TWO** (4 courses total, in addition to the 6 above):

- ARCH 100C
- ARCH 100D
- ARCH 140 Energy and Environment *or* ARCH 160 Introduction to Construction
- ARCH 150 Introduction to Structures

**FRESHMAN**

<b>Fall Semester</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Units</b>
Env Des 1	3	R&C B	4
R&C A	4-6	Breadth #1	2-4
Math 16A or 1A	3-4	Breadth #2	2-4
Electives	0-2	Electives	0-3
<b>TOTAL</b>	<b>12-15</b>	<b>TOTAL</b>	<b>12-15</b>

**SOPHOMORE**

<b>Fall Semester</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Units</b>
Env Des 11A	4	Env Des 11B	5
Physics 7A or 8A/ Breadth #3	4	Breadth #5	2-4
Breadth #4	2-4	Breadth #6	2-4
Electives	0-3	Breadth #7	2-4
<b>TOTAL</b>	<b>12-15</b>	<b>TOTAL</b>	<b>12-17</b>

**JUNIOR**

<b>Fall Semester</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Units</b>
Arch 100A	6	Arch 100B	6
Arch 170A	4	Arch 170B	4
Arch 110AC or 130	4	Arch 140 or 160	4
Electives	0-2	Electives	0-2
<b>TOTAL</b>	<b>14-16</b>	<b>TOTAL</b>	<b>14-16</b>

**SENIOR OPTION ONE**

<b>Fall Semester</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Units</b>
Arch Capstone Prep	3	Arch Capstone Project	5
Capstone Elective #1 (choose from list)	3-4	Capstone Elective #3 (choose from list)	3-4
Capstone Elective #2 (choose from list)	3-4	CED Upper Div Non-Major #2	2-4
CED Upper Div Non-Major #1	2-4	CED Upper Div Non-Major #3	2-4
<b>TOTAL</b>	<b>12-15</b>	<b>TOTAL</b>	<b>12-17</b>

**SENIOR OPTION TWO**

<b>Fall Semester</b>	<b>Units</b>	<b>Spring Semester</b>	<b>Units</b>
Arch 100C	5	Arch 100D	5
Arch 150	4	Arch 140 or 160	4
CED Upper Div Non-Major #1	2-4	CED Upper Div Non-Major #2	2-4
Electives	0-4	CED Upper Div Non-Major #3	2-4
<b>TOTAL</b>	<b>12-17</b>	<b>TOTAL</b>	<b>13-17</b>

*Each student's plan will vary, depending on interests. See your adviser if you are interested in applying for graduate school, studying abroad, attending summer school, pursuing a minor or second major, etc.*

## **D. General Electives**

Students may need to take additional courses to reach the 120 units required for graduation.

## **E. Unit and Semester Requirements**

The Bachelor of Arts degree in the College of Environmental Design requires the successful completion of at least 120 semester units of courses subject to certain rules:

- A maximum of 16 units of Special Studies coursework (courses numbered 97, 98, 99, 197, 198, or 199) is allowed towards the 120 units; a maximum of four is allowed in a given semester; only upper division students (60 or more units completed) may enroll in 197, 198, or 199 coursework.
- A maximum of 4 units of Physical Education from any school attended will count towards the 120 units.
- Students may receive unit credit for courses graded P (including P/NP units taken through EAP) up to a limit of one-third of the total units taken and passed on the Berkeley campus at the time of graduation.
- No more than 60 units from a single department can be used towards the 120 minimum.

### **Unit Minimum**

CED students must enroll in at least 12 units each fall and spring semester. (*Students entering UCB with no prior units would need to complete 15 units per semester to graduate in four years.*)

### **Semester Limit**

Students admitted as freshmen must graduate within eight fall/spring semesters at UC Berkeley. Students admitted as transfer students must graduate within four fall/spring semesters at UC Berkeley. EAP and UCDC count towards this semester limit; summer session, UC Extension, and study abroad through non-UC programs do not. Students approved for simultaneous degrees in two colleges may be granted an additional semester.

### **Senior Residence Requirement**

After reaching senior status (with 90 semester units earned), students must complete at least 24 of the remaining 30 units in at least two semesters in residence at UC Berkeley. To count as residence, a semester must consist of at least 4 passed units. [Intercampus Visitor](#), [Education Abroad Program](#), [UC Berkeley-Washington Program](#), and [UC Berkeley Extension](#) units are **not** applied to this requirement.

Students may use [Berkeley Summer Sessions](#) to satisfy one semester of the Senior Residence Requirement, provided that four units of course work are completed.

### **Modified Senior Residence Requirement**

Participants in the [UC Education Abroad Program](#) (EAP) or the [UC Berkeley-Washington Program](#) may meet a Modified Senior Residence Requirement by completing 24 (excluding EAP) of their final 60 semester units in residence. At least 12 of these 24 units must be completed after senior status (90 units) is reached.

Most students automatically fulfill the residence requirement by attending classes here for four years. In general, there is no need to be concerned about this requirement, unless you go abroad for a semester or year or want to take courses at another institution or through University Extension during your senior year. In these cases, you should make an appointment to see an adviser to determine how you can meet the Senior Residence Requirement.

## **GRADE REQUIREMENTS**

- A 2.0 UC GPA is required for graduation.
- A 2.0 GPA within the major is required at time of graduation.

## **DEADLINES AND POLICIES**

See the CED advising website for the most up-to-date information: [ced.berkeley.edu/advising](http://ced.berkeley.edu/advising)

## **DEGREE AUDIT REPORTING SYSTEM (DARS)**

DARS is a service designed to assist you with planning and tracking your progress toward graduation by comparing or auditing your academic record against the requirements for your bachelor's degree. Your DARS report includes completed UC Berkeley courses, transfer credit, and in-progress courses (the ones you're taking now).

To request a DARS report, go to the Bear Facts page, click the DARSweb link, and log in with your CalNet ID and Passphrase.

- Click the "Audits" tab and select "Request New Audit."
- Select either "Run for current major" (the default) or for any "selected program" (a "what if" scenario).
- Click the "Submit New Audit" button.
- Wait a few moments for your report to run, then click the "Refresh List" button. You may have to click it a few times.
- When your new request appears on the list below, click the "Open Audit" button to its left.

There is no limit to the number of DARS reports you can request, but only the ten most recent will be saved. The most recent report always appears at the top of the list.

Request a new DARS Report at least once a semester and whenever you change your course schedule. Each report is up-to-date as of the date and time it is generated. Changes, updates or corrections to either your degree requirements or your academic record (e.g., adding or dropping courses; grade changes; new transfer credit; declaring, adding or changing majors, etc.) will change the results of your report.

DARS is an unofficial report and does not eliminate the need for advising! It should be used in consultation with College and Major advisers, who make the final determination about completion of degree requirements.

***If you notice any errors in your Degree Audit, submit the DARS Correction Request form (available at [ced.berkeley.edu/advising/forms](http://ced.berkeley.edu/advising/forms)) to the Office of Undergraduate Advising in 250 Wurster.***