ARCHITECTURE

MAJOR HANDBOOK

DEPARTMENT OF ARCHITECTURE

COLLEGE OF ENVIRONMENTAL DESIGN

UNIVERSITY OF CALIFORNIA, BERKELEY

2012-2013

For Students Admitted to UCB Prior to Fall 2012

Download this handbook from the web at 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 for more information on accreditation. See the California Architect's Board [cab.ca.gov/](cab.ca.gov/) and the National Council of Architectural Registration Board ncarb.org for more information on licensing.*

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

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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. C*ED 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. *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, *7 courses:*
   You must earn a 2.0 average in upper division major requirements.

   Architectural Design and Representation; Professional Practice. 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)
- ARCH 170B An Historical Survey of Architecture and Urbanism (Part 2)
- *Either* ARCH 110AC The Social and Cultural Basis of Design *or* ARCH 130 Introduction to Design Theories and Methods

Architectural Technologies and Building Performance. Two of the following three courses:

- ARCH 140 Energy and Environment
- ARCH 150 Introduction to Structures
- ARCH 160 Introduction to Construction

Fall semester only: Arch 110AC, 130, 150, 170A
Spring semester only: Arch 140, 160, 170B

Note: Students intending to apply to M.Arch programs will improve the strength of their application by taking additional 101 studios. Students intending to apply to M.Arch programs with advanced standing will typically require a minimum of two 101 studios to qualify. Students should also consult the schools they plan to attend regarding additional coursework requirements in History, Structures and Technology [Arch 110, 130, 140, 150, 160].

Students interested in Master of Science (MS) graduate programs are encouraged to engage in research and take courses in the area in which they wish to specialize.

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, pursing a minor or second major, taking advanced studios, 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 this 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*

CED MINORS

Minors offered by the college of Environmental Design include:

- [Architecture](#)
- [City & Regional Planning](#)
- [Environmental Design and Urbanism in Developing Countries](#)
- [Geospatial Information Science and Technology](#) (College of Natural Resources for paperwork and advising)
- [History & Theory of Landscape Architecture & Environmental Planning](#)
- [History of the Built Environment](#)
- [Social & Cultural Factors in Design](#)
- [Sustainable Design](#)

Minors generally consist of five upper-division courses plus any lower-division prerequisites to those courses. Any course taken for your minor may also be used to fulfill major and upper-division CED non-major requirements. Courses used to fulfill a breadth requirement may also be used to satisfy a minor requirement. Students may apply the non-CED version of a CED cross-listed course towards a minor.

See [CED Minors](#) on the web for more information.

The *City Planning Minor Intent* form and the *CED Minor Completion Form* are available on-line in the Minors section of [CED Forms & Documents](#). You must fill out the completion form if you want your CED minor to show on your transcript.

CED students may pursue minors in any of the other undergraduate schools and colleges at UC Berkeley.

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) to the Office of Undergraduate Advising in 250 Wurster.