

CONCURRENT DEGREE PROGRAM
IN
BUILDING AND SITE DESIGN
OF THE DEPARTMENTS OF
ARCHITECTURE
AND
LANDSCAPE ARCHITECTURE AND ENVIRONMENTAL PLANNING
UNIVERSITY OF CALIFORNIA, BERKELEY

PROGRAM GOALS

The Concurrent Program in Building and Site Design seeks to combine knowledge of ecological and social factors with the design of buildings and sites. As the professions of Architecture and Landscape Architecture have matured over the past century, teaching and practice of the disciplines have become increasingly specialized. Architectural education and practice have focused on the design of individual buildings, with little emphasis on site design and environmental issues. Landscape Architecture, on the other hand, typically has not been concerned with understanding and creating architectural form, but focuses on the design of outdoor spaces at a variety of scales from small gardens or parks to large natural landscapes in cities and regions.

Today professionals are needed who combine an understanding of individual building design with larger scale site design and the cultural and natural factors that shape environments at all scales. Neither program alone can provide the range of skills and understanding that the College of Environmental Design considers essential in improving the quality of the built environment.

COMMON FRAMEWORK AND PHILOSOPHY

The Program in Building and Site Design emphasizes design that is socially aware and ecologically informed. It provides a broader, more comprehensive approach to the design and planning of environments than either the M.L.A. or M.Arch. program could achieve individually and combines coursework common to both fields:

- History and theory
- Basic characteristics of land, water, and climate
- Social and cultural factors in design
- Design studios that combine architectural design with site design

COMMON CORE AND AREA OF SPECIALIZATION

A common core of courses is comprised of basic design education in history and theory, natural factors in the design process, energy and environmental management, and research methods. The common core provides students with skills and perspectives to deal with architectural and landscape design in a more holistic, ecologically informed way.

In addition to the common core, students must select courses in each of five areas: Natural Factors, Social Factors, History and Theory, Methods, and Applications Studios. Each student is also required to develop an area of specialization within the field that applies the unique resources of the College and University to architectural, landscape, urban, and community design problems.

The Concurrent Program curriculum provides students with an efficient, structured approach to achieving competence in both fields. The Concurrent Program requires 72 units of coursework for students who have satisfied all prerequisites; a minimum of 24 units in each department.

ADMISSIONS REQUIREMENTS

The program is intended for exceptionally qualified students who have an undergraduate degree in architecture or landscape architecture and who satisfy the admission requirements for either the two year M. Arch. or M.L.A. program. Minimum qualifications for admission are: completion of an undergraduate degree (B.A. or B.S.) with a major in Architecture or Landscape Architecture or a professional undergraduate degree (B.Arch. or B.L.A.)

New students should submit the following documents to the Student Affairs Officer in Landscape Architecture by December 15th: One copy of the Landscape Architecture departmental application, two copies of the statement of purpose, three sets of official transcripts, three letters of recommendation, GRE scores, and one unbound design portfolio (please see dept. admission requirements for electronic portfolio submission). Applicants should indicate on the departmental application form that they are applying to the concurrent degree program and all documents should be clearly identified as concurrent degree materials. Only one application fee is required. The Student Affairs Officer in the Department of Landscape Architecture and Environmental Planning should be consulted for specific procedures for applying to the Concurrent Degree Program.

Continuing students may apply to the Concurrent Degree Program after completion of one semester of work in either the Departments of Architecture or Landscape Architecture and Environmental Planning. Continuing students should contact the Student Affairs Officers in either the Department of Architecture or Landscape Architecture and Environmental Planning for application procedures. Application deadline is December 15th of the first year of study.

Admission to the concurrent degree program will be contingent upon the applicant showing that he or she will be able to successfully complete the requirements for both degrees within three years.

PREREQUISITES

The following courses or equivalent:

ARCH 150*	Introduction to Structures [4]
LD ARCH 112	Landscape Plants: Identification and Use [4]
LD ARCH 120	Topographic Form and Design Technology [2]
LD ARCH 110	Ecological Analysis [4]

Students without this background will be required to take these courses.

** Physics and Calculus are prerequisites for this course and must be taken prior to enrollment in Concurrent degree program in Landscape Architecture and Architecture.*

FINAL GRADUATION REQUIREMENT

Students in the Concurrent Degree Program must complete a thesis as their final graduation requirement. The thesis should integrate the two areas that make up the Concurrent Degree Program. It should demonstrate a grasp of theory, methods, and literature relevant to the topic. The thesis committee shall consist of three members including one from each of the two departments (Architecture and Landscape Architecture/Environmental Planning) and a third member from the Berkeley Academic Senate who is outside the student's area of specialization.

DEGREE REQUIREMENTS

Common Core Courses [9 units]

LD ARCH 201	Ecological Factors in Urban Landscape Design [5]
ARCH 140	Introduction to Energy and Environmental Management [4]

Breadth Requirements [11-12 units]

Natural Factors

One 3-unit course from this list or approved equivalent:

LD ARCH 220*	Environmental Geology for Planners [3]
LD ARCH 222	Hydrology for Planners [3]
LD ARCH 224*	Vegetation Analysis and Management [3]
LD ARCH 225	Urban Forest Planning and Management [3]

** This course offering may vary per year and is dependent on departmental availability.*

Social Factors

One 3-unit course from this list or approved equivalent:

ARCH 210*	Advanced Study in Social and Cultural Factors in Design [3]
ARCH 211	Theory & Methods in the Social and Cultural Basis of Design [2]
ARCH 219X	Special Topics: Social and Cultural Bases of Design [3]
LD ARCH C241	Research Methods in Environmental Design [4]
LD ARCH C242	Citizen Involvement in the City Planning Process [3]
CY PLAN 247*	The Educative City [3]

** This course offering may vary per year and is dependent on departmental availability.*

History and Theory

One course from this list or approved equivalents:

Architecture Background:

LD ARCH 251	Theories of Landscape Architecture and Environmental Planning [2]
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Landscape Architecture Background:

ARCH 170B	Historical Survey of Architecture and Urbanism (3)
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Methods

One 3-unit course from this list or approved equivalent:

ARCH 132	Introduction to Computer-Aided Design in Architecture [3]
LD ARCH 132	Computer Applications for Environmental Design [1-4]
LD ARCH 188X	Quantitative Methods in Environmental Planning [3]
VIS STD 280	Advanced Visual Studies [1-4]

Applications Studios* [20 units]

Students with an architecture background must take at least three landscape studios, not including LD ARCH 206:

LD ARCH 202	Design of Landscape Sites [5]
ARCH 201	Case Studies in Architectural Design [5]

and two courses from the following list: [10 units]

ARCH 201	Case Studies in Architectural Design [5]
LD ARCH C203	Shaping the Public Realm [5]
LD ARCH 204	Advanced Project Design [5]

** Students with extensive professional experience or previous studio experience may petition to waive one required studio.*

Thesis [9 units]

LD ARCH 252A Thesis and Professional Project Research Seminar [2]
LD ARCH 252B Thesis and Professional Project Research Seminar [2]
LD ARCH 206 Final Project Preparation Studio: Thesis and Reports [5]
or
ARCH 202A Final Project Studio: Studio Thesis Option [5]

TOTAL UNITS REQUIRED

Common Core	9 Units
Breadth Requirements	11-12
Application Studios	20
Specialization	12
Thesis	9
Prerequisites or Electives	<u>10-12</u>
Total Units Required	72 Units

NOTE: A minimum of 24 units is required in each department (Architecture and Landscape Architecture) for graduation.

SAMPLE PROGRAM: ARCHITECTURE BACKGROUND [72 Units Required]

First Year, Fall Semester

LD ARCH 201	Ecological factors in Urban Landscape Design [5]
LD ARCH 110	Ecological Analysis [4]
LD ARCH 251	Theories of Landscape Architecture and Env Planning [2] Methods [3]

First Year, Spring Semester

LD ARCH 202	Design of Landscape Sites [5]
LD ARCH 120	Topographic Form and Design Technology [2]
LD ARCH 112	Landscape Plants and Horticulture [4] Natural Factors [3]

Second Year, Fall Semester

LD ARCH C203	Shaping the Public Realm [5] Social Factors [3] Specialization [3] Specialization [3]
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Second Year, Spring Semester

LD ARCH 204	Advanced Project Design [5]
or	
ARCH 201	Case Studies in Architecture Design [5]
LD ARCH 252A	Thesis and Professional Project Research Seminar [2]
ARCH 140	Introduction to Energy and Environmental Management [4]

Third Year, Fall Semester

ARCH 201	Case Studies in Architecture Design [5]
LD ARCH 252B	Thesis and Professional Project Research Seminar [2] Specialization [3] Specialization [3]

Third Year, Spring Semester

LD ARCH 206	Final Project Preparation Studio: Thesis and Reports [5]
or	
ARCH 202A	Final Project Studio: Studio Thesis Option [5] Elective [1]