Landscape Architecture

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Landscape architecture is an environmental planning and design profession of broad scope concerned with the creation, protection, restoration, and management of landscapes. Landscape architecture is founded on an awareness of our deep connections to the natural world and how people and their work are part of the web of life. The profession is deeply attentive to how places serve human needs and support sustainable and resilient cities and other landscapes. A healthy society rests on a commitment to sound landscape design, planning, and conservation that respects the land, its processes, its integrity—and that of human-ecological processes, helping to fulfill human potential.

Both a science and an art, landscape architecture involves creative decision-making based on scientific knowledge of natural processes coupled with awareness of historical, cultural, and social dynamics. The profession also makes intensive use of technologies for landscape construction and environmental management—digital graphics, geographic information systems, and computer-aided design. These are applied to making richly supportive places for people and ecosystems that are beautiful and healthy, responding to human needs and to local natural and socioeconomic systems.

The Department of Landscape Architecture is built on the 19th-century legacy that landscape architecture is a design and planning profession with responsibilities to society, the past, the future and ourselves. The program combines professional understanding and skills with a liberal-arts education.

As a profession, landscape architecture includes design at many scales, including ecologically based planning activities, transformation of urban and rural landscapes, service to disadvantaged communities, and design of beautiful and functional parks and gardens. As an academic discipline, it provides opportunities for personal development through environmental problem-solving, graphic and oral communication, and project-oriented study in which small groups of students work with instructors to address pressing contemporary problems through detailed development of land and sites.

Computers in the Curriculum

Digital tools are necessary for landscape architects. The department requires all students to have unlimited access to their own personal computer. Because of the professional application of complex graphic programs and large data files for most course work, the department's computer requirements exceed the average user's computing needs. See the College of Design's *Student Computer Purchasing Guide* for recommended specifications and departmental requirements.

Faculty

Jacques Abelman, assistant professor (social justice, landscape infrastructure, food systems). BA, 1996, Amherst College; MA, 2002, University of the Arts, London; MLA, 2014, Amsterdam Academy of Architecture; reg. landscape architect, Netherlands. (2016)

Elisabeth Chan, associate professor (design representation, design theory). BA, 1993, Hampshire; MLA, 2000, Cornell. (2001)

Arica Duhrkoop-Galas, instructor (plants, planting design, landscape construction). BA, 1998, Portland State; CE, 1999, Cambridge; MLA, 2005, Oregon; reg. landscape architect, Oregon. (2010)

Mark Eischeid, assistant professor (landscape history, design theory, critical practice). BS, 1994, Stanford; MLA, 2000, California, Berkeley; MFA, 2010, Edinburgh; reg. landscape architect, California. (2014)

Chris Enright, instructor (landscape planning, landscape analysis, geographic information systems). BA, 1984, California, Santa Barbara; BLA, 2003, MLA 2006, PhD, 2013, Oregon. (2013)

Michael Geffel, visiting professor (design processes, design experiments, construction techniques). BS, 2006, Oregon; MLA, 2013, Virginia. (2017)

David Hulse, Philip H. Knight Professor (alternative futures analysis, river restoration and management, landscape ecology). BSLA, 1981, Colorado State; MLA, 1984, Harvard. (1985)

Bart Johnson, professor (climate change adaptation, ecological restoration, urban ecosystems). BS, 1987, Cornell; MLA, 1992, PhD, 1995, Georgia. (1995)

Harper Keeler, instructor (civic agriculture, landscape biodynamics, urban farm director). BLA, 1995; MLA 2011, Oregon. (2010)

Yekang Ko, assistant professor (urban sustainability, energy landscapes, climate-responsive design). BS, 2005, Korea; PhD, 2012, California, Berkeley (2016)

Jun Hak Lee, instructor (geographic information systems, data visualization). BS, 1999, MS, 2001, Korea; PhD, 2010, California, Berkeley. (2016)

Dennis "Whitey" Lueck, instructor (horticulture, field studies, landscape biodynamics). BS, 1974, Pennsylvania State; MS, MA, 1980, Oregon State. (2005)

Robert G. Ribe, professor (landscape planning and analysis, visual resource management, landscape economics). BS, 1977, California, Riverside; MSLA, 1981, MA, 1987, PhD, 1990, Wisconsin; Fellow, American Society of Landscape Architects. (1988)

Kory Russel, assistant professor (water, container-based sanitation, informal settlements). BS, 2003, MES, 2005, Taylor; MS, 2012, Stanford. (2016)

Brad Stangeland, instructor (landscape construction, computer-aided design, professional practice). BLA, 1983, Oregon; reg. landscape architect, Oregon. (2003)

Roxi Thoren, associate professor (urban design, landscape history, microclimate analysis). BA, 1996, Wellesley; MArch, 2001, MLA, 2002, Virginia. (2004)

Emeriti

Jerome Diethelm, professor emeritus. BArch, 1962, Washington (Seattle); MLA, 1964, Harvard; reg. architect and landscape architect, Oregon. (1970)

Kenneth I. Helphand, professor emeritus. BA, 1968, Brandeis; MLA, 1972, Harvard; Fellow, American Society of Landscape Architects. (1974)

Robert Z. Melnick, professor emeritus. BA, 1970, Bard; MLA, 1975, State University of New York, College of Environmental Science and Forestry; Fellow, American Society of Landscape Architects. (1982)

The date in parentheses at the end of each entry is the first year on the University of Oregon faculty.

- **Bachelor of Landscape Architecture**
- **Minor**

Undergraduate Studies

The curriculum in landscape architecture leads to a professional degree of bachelor of landscape architecture (BLA). The five-year program, accredited by the Landscape Architecture Accreditation Board, combines general preparation in the arts and sciences with a focus on environmental-design studies. The program's goal is to produce a visually literate, technically skilled, ecologically knowledgeable, and socially responsible designer, planner, and graphic artist capable of playing a central, professional role in the evolving landscape.

In recognition of the integrated and comprehensive nature of environmental design and planning, BLA students are encouraged to pursue opportunities to collaborate on design and planning problems with students in architecture, art, community planning, and other disciplines.

Curriculum Options

The curriculum is a well-defined, sequential path toward the degree. Electives vary according to the interests, goals, and experience of each student and are chosen with the help of faculty advisors. Departmental electives reflect the need to provide a variety of environmental subjects and to introduce the rapidly expanding number of career areas in the profession. Program objectives provide a solid base of essential skills, tools, and knowledge in landscape design and planning. Program flexibility allows each student to emphasize such topics as ecological restoration and design, sustainable cities and land systems, social justice, landscape aesthetics, natural resource analysis and planning, land conservation and development, urban design, restoration of waterways, renewal of agricultural lands, private and public agency professional practice, environmental impact assessment, landscape history and preservation, and environmental design research methods.

The undergraduate program balances exposure to the many facets of landscape architecture with the expectation that growth and specialization will occur at the graduate level and in professional apprentice and internship programs.

Curriculum Structure

The undergraduate curriculum consists of the following interrelated areas:

- Design and planning
- Subjects
- Electives

Design and Planning

Studio courses focus on the development and communication of solutions to site, neighborhood, city, transportation, watershed, and regional environmental and social problems. Students work closely with an instructor to analyze and create specific landscape design and planning proposals. This area addresses the physical-spatial implications of planning and management policies, client needs, and programs.

Tutorial studio work is the integrative heart of the curriculum. The department allocates substantial faculty resources to project-oriented instruction and has a long history of success at design studio education. Regular faculty members offer or consult in studios and participate in the midterms and weeklong end-of-term reviews of student work. Studio projects typically increase in scale and complexity over the course of the degree program. Students must take eight studios in this subject area.

Subjects

Six subject areas are essential foundations for the planning and design program: landscape architecture technologies and professional practice, plant materials, landscape analysis and planning, the history and theory of landscape architecture, urban design, and landscape architectural media. Required course work in history, theory, media, and technologies includes alternative choices to allow each student to tailor an individualized educational program with the help of an advisor.

Six subject areas provide essential foundations for the design and planning program: landscape architecture technology and professional practice; plant materials; landscape analysis and planning; history and theory of landscape architecture; media; and landscape media and technologies workshops. Required course work in history, literature, and theory and in media and technologies includes choices that allow each student to tailor an individual educational program with the help of an advisor.

Electives

This area, which includes general university requirements, provides for personal choice in selecting additional course work in landscape architecture, architecture, art, planning, and more generally in arts and letters, social science, and science.

Preparation

Students planning to major in landscape architecture should prepare by beginning studies in the following areas:

Environmental Awareness

Courses in ecology, biology, botany, geology, environmental science, and geography help begin the process of understanding the complex interrelationships and interdependencies of people and the environment.

Human Behavior

Courses in art history, anthropology, sociology, history, government, psychology, political science, cultural geography, and related subjects help explain human needs, values, attitudes, and activities and are useful in preparing for the design of physical places.

Visual Language Skills

Courses in drawing, painting, photography, film, design, art history, and related subjects help develop perceptual skills, cultural understanding, and the ability to explore and communicate ideas graphically.

Bachelor of Landscape Architecture Requirements

Requirements for the BLA degree (including university requirements) total 220 credits. Required courses separate from university requirements are distributed as follows:

Planning and Design

First Year		Credits
No studio courses are required of first-year, nontransfer students in the major		
Second Year		
LA 289	Landscape Architectural Design (two studios) [1]	12
Third Year		
LA 439	Landscape Architectural Design and Process (three studios) [1]	18
Fourth Year		
LA 489	Site Planning and Design (three studios) [2]	18
Fifth Year		
LA 490	Comprehensive Project Preparation	3
LA 494	Land Planning and Design	6
LA 499	Comprehensive Project	8
	Total Credits:	65

1. Transfer students typically enter the program in the second year.
2. An approved studio in a UO summer program or the Department of Architecture, or an internship may be substituted.

Subject Courses and Other Electives

Code	Title	Credits
Landscape Architectural Technology and Practice		8
LA 366	Landscape Technologies II	
LA 417	Computer-Aided Landscape Design	
Professional practice course		
Plants in the Landscape and Ecosystems		12
LA 326	Plants: Fall	
LA 327	Plants: Winter	
An approved basic ecology class [1]		
Landscape Analysis and Planning		12
LA 413	Analyzing Landscape Systems	
LA 440	Introduction to Landscape Planning Analysis	
LA 441	Principles of Applied Ecology	
History and Theory of Landscape Architecture		16
LA 260	Understanding Landscapes	
ARH 477–478	History of Landscape Architecture I-II	
An approved landscape theory course:		
LA 407	Seminar: [Topic] (Landscape Design Theory)	
ARCH 410	Experimental Course: [Topic] (Design Theory)	
LA 410	Experimental Course: [Topic] (Design Theory)	
ARCH 450	Spatial Composition	
Landscape Architectural Media		6
LA 350	Landscape Media	
LA 352	Digital Landscape Media	
Media and Landscape Technology Workshops		6
ARCH 408	Workshop: [Topic] (Architecture Media)	
LA 408	Workshop: [Topic] (Media)	
ARCH 410	Experimental Course: [Topic] (Advanced Computer-Aided Design)	
ARCH 410	Experimental Course: [Topic] (Oregon BILDS [Building Integrated Livable Designs Sustainably])	
LA 415	Computers in Landscape Architecture	
ARCH 423	Media for Design Development: [Topic]	
LA 450	Advanced Landscape Media	
LA 459	Landscape Technology Topics	
Other Electives [2]		43
Total Credits		103

1. First-year students are encouraged to take a basic ecology course that may serve as a prerequisite to Principles of Applied Ecology (LA 441).
2. Elective courses that fulfill degree requirements may be taken in landscape architecture as well as other departments and programs throughout the university. Those most relevant to the BLA degree are frequently found in architecture; planning, public policy and management; history of art and architecture; historic preservation; environmental studies; geography; history; biology; product design; psychology; earth sciences; political science; and sociology. Students develop their full set of electives in consultation with an advisor to support educational objectives and career goals in relation to landscape architecture. Typically, one-half or more of the electives are landscape architecture courses, but the subject areas and courses are determined on a case-by-case basis with the student's advisor.

Minor in Landscape Architecture

To earn a minor in landscape architecture, students file an application form with the department in consultation with the program director. Once admitted, students remain in contact with the director for personalized advising.

Courses required for the minor are open to other university students with instructor's consent. Minor candidates may be given preference on course waiting lists over nondepartmental students. Students in the minor should inform instructors when asking permission to enroll. To declare the minor, complete the following:

1. Obtain the Undergraduate Minor Application Form from the School of Architecture and Environment office, 210 Lawrence Hall. The application includes a curriculum worksheet with the requirements in effect at the date of acceptance.
2. Meet with the program director to discover when courses are offered, which topics courses or seminars will be offered to fulfill minor requirements, and to develop a curricular plan.
3. Return the completed and signed form to the department office.

Minor Requirements (26 credits)

Code	Title	Credits
LA 260	Understanding Landscapes	4
LA 413	Analyzing Landscape Systems	4
One subject area course in plants from list below		4
One subject area course in history and theory from list below		4

Elective courses [1]	10
Total Credits	26

[1] Any combination of electives to meet the necessary credit requirement.

Subject Areas

Code	Title	Credits
Plants		
LA 326	Plants: Fall	4
LA 327	Plants: Winter	4
LA 328	Spring Plants	4
LA 337	Landscape Field Work: [Topic] (any plants topic)	1-4
LA 390	Urban Farm	2-4
History and Theory		
LA 199	Special Studies: [Topic] (Design for a Sustainable World)	4
LA 407	Seminar: [Topic] (Landscape Architecture Theory)	4
LA 474	History of Landscape Architecture I	4
Elective Courses		
Any landscape architecture (LA) courses; Urban Farm (LA 390) may be repeated if taken during different terms		
Studio Options [1]		

[1] Architecture nonmajors may take Landscape Architectural Design (LA 289), which is offered every winter. Architecture majors may take a landscape architecture studio that is at their appropriate level of work in the major. Students should consult with their minor advisor, the landscape architecture studio instructor, and the Department of Architecture to determine which studio is appropriate *before* enrolling in the studio.

Five-Year Degree Plan

The degree plan shown is only a sample of how students may complete their degrees in five years. There are alternative ways. Students should consult their advisor to determine the best path for them.

Bachelor of Landscape Architecture

Course	Title		Credits
First Year			
Fall			
WR 121	College Composition I	Must pass with a C– or better	4
General-education course in arts and letters			4
General-education course in social science			4
General-education course in science			4
	Credits		16
Winter			
WR 122 or WR 123	College Composition II or College Composition III	Must pass with a C– or better	4
General-education course in social science			4
General-education course in science			4
Multicultural course		May count as a group-satisfying course	4
	Credits		16
Spring			
General-education course in arts and letters			4
General-education course in social science			4
General-education course in science			4
Multicultural course		May count as a group-satisfying course	4
	Credits		16
	Total Credits		48

Course	Title		Credits	Milestones
Second Year				
Fall				
LA 260	Understanding Landscapes		4	
LA 326	Plants: Fall	Meet with advisor to discuss academic goals	4	
Elective course with an LA subject code or general-education course			4	
Elective course with an LA subject code			4	
	Credits		16	
Winter				
LA 289	Landscape Architectural Design		6	
LA 327	Plants: Winter		4	
LA 350	Landscape Media		2-4	
LA 408	Workshop: [Topic]		2	
	Credits		14-16	
Spring				
LA 289	Landscape Architectural Design		6	
LA 352	Digital Landscape Media		2-4	
Elective course with an LA subject code or general-education course		Complete UO core education requirements	4	
Elective course with an LA subject code			4	
	Credits		16-18	
	Total Credits		46-50	

Course	Title	Milestones	Credits
Third Year			
Fall			
LA 413	Analyzing Landscape Systems	Meet with advisor to discuss academic goals	4
LA 439	Landscape Architectural Design and Process	Consider study abroad or field school for the following summer	6
Landscape theory elective course			4
Elective course with an LA subject code or general-education course		Complete basic ecology or natural systems course prerequisit prior to taking LA 441 in the fourth year	4
	Credits		18
Winter			
LA 417	Computer-Aided Landscape Design		2
LA 439	Landscape Architectural Design and Process	Meet with College of Design Student Services to discuss résumé and portfolio design and career planning	6
Elective course with an LA subject code			4
LA 474	History of Landscape Architecture I		4
	Credits		16
Spring			
LA 366	Landscape Technologies II		4
LA 408	Workshop: [Topic]		2
LA 439	Landscape Architectural Design and Process		6
Second history of landscape architecture course			4
	Credits		16
	Total Credits		50

Course	Title	Milestones	Credits
Fourth Year			
Fall			
LA 441	Principles of Applied Ecology		4
LA 489	Site Planning and Design	Meet with advisor to discuss academic goals	6
Elective course with an LA subject code			4
Technology workshop			2
	Credits		16
Winter			
LA 408	Workshop: [Topic]		2
LA 415	Computers in Landscape Architecture		4
LA 489	Site Planning and Design	Apply for summer internships	6
Elective course with an LA subject code			4
	Credits		16
Spring			
LA 440	Introduction to Landscape Planning Analysis		4
LA 489	Site Planning and Design	Meet with advisor to discuss career plans	6
Elective course with an LA subject code			4
	Credits		14
	Total Credits		46

Course	Title	Milestones	Credits
Fifth Year			
Fall			
LA 490	Comprehensive Project Preparation	Apply to graduate school or begin looking for work to begin after graduation	3
LA 494	Land Planning and Design	Meet with advisor to make a graduation plan	6
Elective courses with an LA subject code			6
	Credits		15
Winter			
LA 462	Professional Practice of Landscape Architecture		2
LA 499	Comprehensive Project		8

Elective course with an LA subject code	Need total of 43 credits in landscape architecture electives to graduate	4
	Credits	14
	Total Credits	29

- **Master of Landscape Architecture** (p. 6) **(first professional master's)**
- **Master of Landscape Architecture** (p. 7) **(postprofessional master's)**
- **Doctor of Philosophy**

Graduate Studies

The department offers master- and doctoral-level programs in the field of landscape architecture. At the master's level, the department makes a distinction between first professional master's students and postprofessional master's students. First professional master's students hold an undergraduate degree other than an accredited bachelor of landscape architecture (BLA, BALA, or BSLA) and are working toward the master of landscape architecture (MLA). Postprofessional master's students hold an accredited bachelor of landscape architecture and are working toward the completion of the advanced postprofessional MLA degree. Students with an accredited bachelor or architecture (BArch) or other accredited professional environmental design degree often earn a postprofessional MLA with some additional requirements, or they may opt to earn a first professional MLA degree with waivers of some course requirements, decided on a case-by-case basis.

Students may enroll in joint MLA degree programs with the master of architecture (MArch) and master of community and regional planning (MCRP) programs with integrated and coordinated degree requirements. Arrangements may be made through academic advisors in the two departments.

First Professional Master's Program

Although requirements and time to degree may vary with each student, the following options represent typical situations:

Students with a Bachelor of Science in Landscape Architecture

Students entering with a four-year or nonaccredited degree in landscape architecture spend two to three years completing the first professional MLA. The first year focuses on course work required for the degree. The second year focuses on completing electives related to the master's project and the project or thesis itself.

Students with Other Degrees

Students who have no background in landscape design and planning can expect to spend a minimum of ten terms earning an accredited, first professional MLA.

The department recognizes that first professional master's candidates have extremely varied backgrounds and may have special requirements. Based on undergraduate courses, background in design-related disciplines, and work experience, these students may be exempt from a limited number of requirements. Students who want to replace or waive requirements must show equivalent competency in those areas, typically through course work or professional experience.

Program Components of the First Professional MLA

Design and Planning

Studio courses focus on the development and communication of solutions to site, neighborhood, city, transportation, watershed, and regional environmental and social problems. Students work closely with an instructor to analyze and create specific landscape design and planning proposals. This area addresses the physical-spatial implications of planning and management policies, client needs, and programs.

Tutorial studio work is the integrative heart of the curriculum. The department allocates substantial faculty resources to project-oriented instruction and has a long history of design studio education. Regular faculty members offer or consult in studios and participate in the midterms and weeklong end-of-term reviews of student work. Studio projects typically increase in scale and complexity over the course of the degree program. Students must take eight studios in this subject area.

Subject Courses

Six subject areas provide essential foundations for the planning and design program: landscape architecture technology and professional practice; plant materials; landscape analysis and planning; history and theory of landscape architecture; media; and landscape media and technologies workshops. Required course work in history, literature, and theory and in media and technologies includes choices that allow each student to tailor an individual educational program with the help of an advisor.

Research and Master's Project

Students take two courses in research methods and project development and one mentored research development course. A faculty member serves as a project chair. The MLA project is completed during the third year for first-professional master's candidates during a two-term master's clinic studio. This independent project of high academic standard presents original work that contributes to the body of knowledge in landscape architecture and/or demonstrates an advanced capacity to solve design and planning problems through critical inquiry and strong problem-solving analysis. The topic may be selected from a range of theoretical to practical design issues. Projects must include a written component, which sets out the problem, goals and objectives, methodology, findings, and conclusions of the project.

Area of Concentration

Students take elective courses from any department at the university, selected with their advisors, to develop specialized knowledge and skills typically related to the topic of their master's project or thesis.

The area of concentration courses represent a focused inquiry in advanced topics that master's students undertake while forming and developing their master's projects. When students begin the MLA program, they should consult their departmental advisor to begin planning their area of concentration course work and receive approval for course selection. At the time when a student is assigned a master's project advisor, responsibility for course approval shifts to this person. At any time students may consult with other members of departmental faculty they feel could help them craft their area of concentration. To be approved, an area of concentration must be graduate-level (a 500 or

600 course number) and must be demonstrably related to the student's master's project topic and supportive of the project's development. See an advisor for more information.

First Professional Master's Curriculum

Code	Title	Credits
Planning and Design		
LA 539	Landscape Architectural Design and Process	6
LA 589	Site Planning and Design (three studios) [1]	18
LA 594	Land Planning and Design (three studios) [1]	18
Introductory course in graduate design		6
Subject Courses		
Technology and Practice		
LA 366	Landscape Technologies II	4
LA 517	Computer-Aided Landscape Design	2
Professional practice course		2
Plants		
LA 326	Plants: Fall	4
LA 327	Plants: Winter	4
Landscape Analysis and Planning		
LA 513	Analyzing Landscape Systems	4
LA 515	Computers in Landscape Architecture	4
LA 540	Introduction to Landscape Planning Analysis	4
LA 541	Principles of Applied Ecology	4
History and Theory		
LA 574	History of Landscape Architecture I	4
LA 607	Seminar: [Topic] (Landscape Architecture Literature)	2
An approved landscape theory course chosen from the following:		4
ARCH 507	Seminar: [Topic] (Design Theory)	
LA 507	Seminar: [Topic] (Design Theory)	
ARCH 550	Spatial Composition	
LA 617	Introduction to Landscape Architecture Theory	
Landscape Architectural Media		
LA 350	Landscape Media	2
LA 352	Digital Landscape Media	2
Workshops in media and landscape technology chosen from the following:		8
ARCH 508	Workshop: [Topic] (Architectural Media)	
LA 508	Workshop: [Topic] (Media or Technology)	
ARCH 523	Media for Design Development: [Topic]	
LA 550	Advanced Landscape Media	
LA 559	Landscape Technology Topics	
Research and Master's Project		
LA 601	Research: [Topic]	2
LA 620–621	Landscape Research Methods I-II	4
LA 699	Master's Project [1]	16
or LA 503	Thesis	
Area of Concentration Electives		
Four courses approved by advisor		16
Total Credits		140

[1] Before enrolling in Master's Project (LA 699), students must obtain department approval of a project or thesis proposal from their landscape architecture master's project advisor.

Postprofessional Master's Program

The two-year graduate program leading to the master of landscape architecture (MLA) degree is intended for students prepared to do advanced work in the field. Students entering the postprofessional MLA program must have a professionally accredited bachelor's degree in landscape architecture or architecture.

Students with professional landscape architecture degrees typically spend two years in residence satisfying course requirements. Students with professional architecture degrees who are accepted into the program may spend an additional one to three terms, decided on a case-by-case basis.

The postprofessional MLA program seeks to prepare the student for advanced understanding, competence, and responsibility in promoting harmonious human-land relationships through private or public practice or teaching at the university level. Many graduate students have the opportunity to learn and practice teaching skills as paid teaching assistants and graduate employees in the department. Some graduates are offered faculty positions throughout the world. The program takes advantage of regional and university resources through landscape projects, internships, and visiting professionals, while it provides a beneficial base of support and ideas in the department. The department recognizes the importance of building a community for graduate education characterized by serious and rigorous inquiry, self-direction, and opportunities to work closely with teachers and peers in an active design and planning enterprise.

Required coursework includes one design and planning studio, one course in landscape analysis and planning, one course in history, literature, and theory, Landscape Research Methods I (LA 620) and Landscape Research Methods II (LA 621), and mentored research with a faculty member. In addition, students must complete five courses (20 credits) in an area of concentration. The master's project or thesis and its prerequisite master's research course sequence must also be completed for a minimum of 22 credits.

A central aspect of the postprofessional MLA program is the student's concentration on studies and original work in a focused area of landscape architecture such as design theory, landscape ecology, landscape history, urban design, and landscape planning. These areas are broad enough to include many particular research problems for master's projects and professional practice. While these concentration areas are naturally related, each involves a different set of skills and understanding developed through departmental courses and focused elective course work outside the department. The five concentration areas described below are those in which faculty members, due to their academic training and professional and research experience, are best equipped for collaboration with graduate students.

Research and Master's Project

Students take two courses in research methods and project development and one mentored research development course. A faculty member serves as a project chair. The MLA project is completed during the second year for postprofessional master's candidates during a two-

term master's clinic studio. This independent project of high academic standard presents original work that contributes to the body of knowledge in landscape architecture and/or demonstrates an advanced capacity to solve design and planning problems through critical inquiry and strong problem-solving analysis. The topic may be selected from a range of theoretical to practical design issues. Projects must include a written component, which sets out the problem, goals and objectives, methodology, findings, and conclusions of the project.

Area of Concentration

The area of concentration courses represent a focused inquiry in advanced topics that master's students undertake while forming and developing their master's projects. When students begin the MLA program, they should consult their departmental advisor to begin planning their area of concentration course work and receive approval for course selection. At the time when a student is assigned a master's project advisor, responsibility for course approval shifts to this person. At any time students may consult with other members of departmental faculty they feel could help them craft their area of concentration. To be approved, an area of concentration must be graduate-level (a 500 or 600 course number) and must be demonstrably related to the student's master's project topic and supportive of the project's development. See an advisor for more information.

Postprofessional Master's Curriculum

Code	Title	Credits
Planning and Design		
LA 594	Land Planning and Design	6
Landscape Analysis and Planning		
Choose one of the following, or a course approved by advisor: [1]		4
LA 513	Analyzing Landscape Systems	
LA 515	Computers in Landscape Architecture	
LA 540	Introduction to Landscape Planning Analysis	
LA 541	Principles of Applied Ecology	
History and Theory		
Choose one of the following, or a course approved by advisor: [1]		4
ARCH 550	Spatial Composition	
LA 574	History of Landscape Architecture I	
LA 607	Seminar: [Topic] (Theory)	
LA 617	Introduction to Landscape Architecture Theory	
Area of Concentration		
Advisor-approved courses in one area of concentration from list above		20
Research Methods and Master's Project [1,2]		
LA 601	Research: [Topic]	2
LA 620–621	Landscape Research Methods I-II	4
LA 699	Master's Project [3]	16
or LA 503	Thesis	
Total Credits		56

[1] Courses used to satisfy analysis, research, and theory requirements above may not be used to satisfy area of concentration requirements.

[2] Before enrolling in Master's Project (LA 699), students must obtain department approval of a project or thesis proposal from their landscape architecture master's project advisor.

[3] Completed during the second year.

Admission

Prospective applicants to the MLA degree programs may find information about the program and application requirements on the department website (https://archenvironment.uoregon.edu/landarch/apply/mla).

Doctor of Philosophy Degree

The doctoral program in landscape architecture offers opportunities for advanced study and scholarship in ecological landscape planning, sustainable urban design, and design history and theory. Landscape planning is primarily concerned with assessing large landscapes and directing their policy, management, and land-use patterns to meet social and environmental ends, while design typically addresses smaller areas in greater detail.

Because the profession is broad and diverse, the landscape architecture PhD pursues robust development of academic, analytical, creative, and integrative capabilities that can continue to grow throughout subsequent careers. Accordingly, the program emphasizes the following:

- Advanced expertise and understanding in a focused topic
- The ability to form integrative conceptual models of landscape issues, problems, and solutions
- The ability to critically analyze deficiencies in knowledge in the field and identify needs for new, original contributions
- The ability to form and investigate operationally bounded questions
- The ability to independently design and execute a complete, intensive research project
- The ability to fully document a research project with high-quality writing and illustrations

The integrative nature of landscape design as a science and an art entails development of innovative models and methods for design, education, and research. The program offers students the opportunity to develop skills as innovative educators by working with faculty members as teaching assistants, and to teach courses under faculty guidance. The close and supportive relationships among scholarship, teaching, professional growth, and artistic achievement foster excellence in design education, research, and practice. Scholars follow many routes, and the program provides substantial flexibility to tailor students' programs to individual needs.

Course of Study

Completion of the program requires demonstrated excellence through original contributions to the field. Indicators of a doctoral student's achievements are successful completion of the oral and written comprehensive exams and successful completion and defense of a dissertation that substantially advances knowledge in a chosen area of expertise.

Through a series of four required courses in landscape architecture literature, theory, and research, PhD students learn how to conduct both qualitative and quantitative studies of landscapes and the processes that shape them. After completing these core courses, advanced studies in methodology, tailored to suit career intentions, are required. Advanced methodological preparation in quantitative research occurs through statistical and spatial analysis as well as case-study analysis, design

criticism, content analysis, historical interpretation, and environment-behavior observation.

The program prepares students to understand and apply appropriate methods of inquiry, and to deepen their understanding of the nature and role of rigorous scholarly inquiry in landscape architecture. Course requirements are designed to provide both depth and breadth of knowledge in landscape architecture, and to draw on the frameworks and methodologies of related disciplines that support the student's dissertation research.

Length of Program and Steps to Completion

A PhD in landscape architecture requires a minimum of three years of full-time graduate work, including one year of residency. Depending on background and research goals, students can expect to complete the degree in three to six years, with a norm of four to five years.

The student's program of study depends substantially on his or her prior degrees.

Degree Held	Credits to Expect to Complete for PhD
MLA or MArch	68
BLA or BArch only	80
Master's degree without professional environmental-design degree	86

Courses for the doctoral degree include design-studio experience and subject-area courses to provide a foundation in landscape architecture sufficient to support a student's goals, research, and advanced course work.

At the completion of course work, normally the end of the second year, each student submits a written comprehensive exam, followed by an oral comprehensive exam. The examination committee will consist of three faculty members, two from landscape architecture and one from an outside department or program, who will prepare and administer the written and oral comprehensive exams. Once students have passed both comprehensive exams, they will be advanced to candidacy. Each student must submit the dissertation proposal within three terms of the exams. A student then forms a dissertation committee consisting of four members, with a minimum of two from landscape architecture and at least one from another field related to the student's area of research. The dissertation committee must approve the student's written dissertation proposal following a scheduled, public proposal presentation before the student undertakes the dissertation.

Some credit requirements may be waived or satisfied through transfer credits which must not have previously been applied to any graduate or undergraduate degree. No more than 15 credits may be transferred. Successful completion of the doctoral program is a matter of proven excellence through substantial, original contributions to the field and not the accumulation of a specific number of credits.

Requirements

A student's program of study is developed with the major professor and a second doctoral advisor.

PhD Required Courses, Work

Code	Title	Credits
Theory, Research, Investigation [1]		
LA 601	Research: [Topic]	6
LA 605	Reading and Conference: [Topic]	6
LA 617	Introduction to Landscape Architecture Theory	4
LA 620–621	Landscape Research Methods I-II	8
Doctoral colloquium		2
Outside analytic-synthetic courses [2]		4-12
Electives [3]		
Advanced Electives: 500-level and above landscape architecture courses in design theory, history, criticism, preservation, planning, and ecology [4]		8-12
Supporting Courses: courses typically taken outside of landscape architecture [4]		12
Dissertation		
LA 603	Dissertation	16
Total Credits		70

1. A student entering with a master's degree but without a professional environmental-design degree should expect to take a minimum of 18 additional credits in landscape architecture.
2. A student may be required to take more than 4 credits in analytic-synthetic courses in other departments.
3. A student entering the program with a BLA or BArch but no master's degree takes an additional 12 credits of electives.
4. Selected in consultation with major professor

Admission

Prospective applicants to the landscape architecture doctoral program may find information about the program and application requirements on the department website (https://archenvironment.uoregon.edu/landarch/apply/phd).

Courses

LA 196. Field Studies: [Topic]. 1-5 Credits.
Repeatable twice for a maximum of 6 credits.

LA 199. Special Studies: [Topic]. 1-5 Credits.
Repeatable.

LA 227. Introduction to Landscape Architecture. 2 Credits.
Exploring the background and scope of the profession: its history, ethics, goals, skills, topics, achievements, and evolving challenges in making healthy, functional, and beautiful places.

LA 260. Understanding Landscapes. 4 Credits.
Perception, description, and explanation of landscapes as environmental sets, as biophysical processes, and as cultural values.

LA 289. Landscape Architectural Design. 6 Credits.
Study of places, their use, and how they evolve. Fundamentals of environmental awareness, social factors, and small-scale site design; abstract design and elementary graphic techniques. Repeatable.

LA 326. Plants: Fall. 4 Credits.
Characteristics, identification, and design uses of deciduous trees, shrubs, vines, and ground covers. Emphasis on identification and appropriate use in landscape design.

LA 327. Plants: Winter. 4 Credits.
Characteristics, identification, and design uses of ornamental conifers and broad-leaved evergreen trees, shrubs, and ground covers.
Prereq: LA 326.

LA 328. Spring Plants. 4 Credits.
Focuses on flowering plants, their identification, design use, and ecosystem services they provide. Plant identification focuses on flowering trees and shrubs, groundcovers and perennials, with the intention of understanding how flowering plants may be used in design to support both human needs and ecosystem functions.

LA 333. Photography and Environmental Values. 4 Credits.
Explores major movements in landscape photography through the lens of cultural perceptions and policies about landscape and environment.

LA 337. Landscape Field Work: [Topic]. 1-4 Credits.
Direct examination and appraisal of the function, form, content, and composition of example landscapes in relation to ecological, cultural, legal, technical, aesthetic, and economic objectives. Repeatable twice for maximum of 12 credits.

LA 350. Landscape Media. 2-4 Credits.
Development of freehand drawing and visualization skills; exercises on line, tone, texture, and color for plan, section, and perspective drawings. Repeatable.

LA 352. Digital Landscape Media. 2-4 Credits.
Introductory survey and skill development in a range of basic computer graphic tools used in landscape architecture. Includes image processing, computer drawing, modeling, and drafting. Repeatable once for maximum of 8 credits.
Prereq: LA 350.

LA 362. Landscape Technologies I. 4 Credits.
Develops understanding of contours, contour manipulation, and site engineering methodologies in the design of places; fundamentals of inclusive design, stormwater management, earthwork, and design development.

LA 366. Landscape Technologies II. 4 Credits.
Consideration of aesthetic and engineering properties of materials and processes of landscape construction; communication of design intent through documentation including sources and costs.
Prereq: LA 362.

LA 375. Contemporary American Landscape. 4 Credits.
Evolution of the contemporary American land-scape as an expression of American culture.

LA 390. Urban Farm. 2-4 Credits.
Experimentation with food production in the city; rebuilding urban soils; farm animal-plant relationships; nutrient cycles. Cooperative food production and distribution; use of appropriate technologies. Repeatable.

LA 399. Special Studies: [Topic]. 1-5 Credits.
Repeatable.

LA 401. Research: [Topic]. 1-21 Credits.
Repeatable.

LA 405. Reading and Conference: [Topic]. 1-21 Credits.
Repeatable.

LA 406. Special Problems: [Topic]. 1-21 Credits.
Repeatable.

LA 407. Seminar: [Topic]. 1-5 Credits.
Repeatable.

LA 408. Workshop: [Topic]. 1-21 Credits.
Repeatable. Concentrated programs of study on special topics. Regular offerings include Fire Ecology and Management, Landscape Design.

LA 409. Practicum: [Topic]. 1-21 Credits.
Supervised field laboratory work; clinical or in-service educational experience. Planned programs of activities and study with assured provisions for adequate supervision. Repeatable.

LA 410. Experimental Course: [Topic]. 1-5 Credits.
Repeatable.

LA 413. Analyzing Landscape Systems. 4 Credits.
Develops skills for collecting data and understanding how landscapes function in space and time to inform good decision-making in planning and design.
Prereq: one course in geography or biology or environmental studies.

LA 415. Computers in Landscape Architecture. 4 Credits.
Repeatable. Development, application, and evaluation of computer systems for land use and site planning (e.g., geographic information systems); encoding of data, cell storage, and analysis systems.

LA 417. Computer-Aided Landscape Design. 2-4 Credits.
Understanding and use of computer-aided drafting and design technology for executing landscape design development, evaluation, and presentation tasks.

LA 423. Drawing The Landscape. 4 Credits.
Exploration of the varied ways to represent and understand the form, cultural meaning, social content, history, natural dynamics, regional context, spiritual intentions, and technical functions of urban and rural landscapes.

LA 429. Civic Agriculture. 4 Credits.
Exploring the impact and subsequent reversal of industrialized food systems through community driven production, distribution and equity methods, foodshed resiliency creation and ecologically literate agriculture practice.

LA 433. Japanese Garden. 4 Credits.
Explores the art, form, meaning, and experience of Japanese gardens. Special emphasis on their heartland in the valley of Nara and Kyoto.

LA 439. Landscape Architectural Design and Process. 6 Credits.
Intermediate problems in landscape architecture design. Relations among problem concepts, goals, design theory, communication media, and technical analysis. Repeatable four times for a total of 30 credits.
Prereq: LA 289.

LA 440. Introduction to Landscape Planning Analysis. 4 Credits.
Principles of designing land- and waterscapes for human use and settlement. Ecological, social, and economic analyses of landscapes, resources, and patterns of occupancy in the Eugene-Springfield area.
Prereq: LA 413.

LA 441. Principles of Applied Ecology. 2-6 Credits.
Application of ecological concepts to landscape design, planning, and management. Emphasis on spatially explicit problem-solving over a range of spatial and temporal scales.
Prereq: one course in ecology.

LA 450. Advanced Landscape Media. 4 Credits.
The role of media in design inquiry; development of hard-line drawing skills, diagramming, and principles of graphic design. Repeatable.

LA 459. Landscape Technology Topics. 2-4 Credits.
Intensive study of topics in landscape construction and maintenance. Topics include irrigation, lighting, special structures, water management, and road design. Repeatable thrice for maximum of 10 credits.

LA 462. Professional Practice of Landscape Architecture. 2 Credits.
Introduces students to key aspects of professional practice, fundamental professional skills, and professional career planning. Includes licensure, legal aspects of landscape architecture, career options, business management, and project management.

LA 472. Landscape Architectural Theory: [Topic]. 4 Credits.
This course examines theories and the role of theory in landscape architecture. Each offering explores landscape theory through a different lens, including the analysis and design of landscapes, the creation of built works, and the discussion and critique of projects.

LA 474. History of Landscape Architecture I. 4 Credits.
First in a sequence covering the history of landscape architecture. Explores the history and theory of the designed landscape from the beginnings of human settlement to the 19th century.

LA 475. History of Landscape Architecture II. 4 Credits.
The second in a sequence of two classes covering the history of landscape architecture, from the 19th century to the late 20th century.
Prereq: LA 474.

LA 484. Landscape Perception. 4 Credits.
Development of the human-environment relationship as it relates to landscape perception, landscape archetypes, and the development of a theoretical base for contemporary landscape design.

LA 489. Site Planning and Design. 6 Credits.
Advanced problems in landscape architecture, cultural determinants of site planning and design, design development and natural systems and processes as indicators of carrying capacity. Repeatable.
Prereq: LA 362, LA 366, LA 439.

LA 490. Comprehensive Project Preparation. 3 Credits.
Finding, describing, programming, and probing environmental opportunities and problems.

LA 494. Land Planning and Design. 6 Credits.
Problems in landscape architecture of increased cultural complexity. Land use planning, computer-aided ecological analysis of land, environmental impact, urban and new community design.
Prereq: LA 489; fifth-year standing for undergraduates.

LA 499. Comprehensive Project. 8 Credits.
Advanced planning and design projects in landscape architecture. Studio development of individually selected projects.
Prereq: LA 490.

LA 503. Thesis. 1-16 Credits.
Repeatable.

LA 507. Seminar: [Topic]. 1-5 Credits.
Repeatable.

LA 508. Workshop: [Topic]. 1-21 Credits.
Repeatable. Concentrated programs of study on special topics. Regular offerings include Fire Ecology and Management, Landscape Design.

LA 510. Experimental Course: [Topic]. 1-5 Credits.
Repeatable.

LA 513. Analyzing Landscape Systems. 4 Credits.
Develops skills for collecting data and understanding how landscapes function in space and time to inform good decision-making in planning and design.

LA 515. Computers in Landscape Architecture. 4 Credits.
Development, application, and evaluation of computer systems for land use and site planning (e.g., geographic information systems); encoding of data, cell storage, and analysis systems. Repeatable.

LA 517. Computer-Aided Landscape Design. 2-4 Credits.
Understanding and use of computer-aided drafting and design technology for executing landscape design development, evaluation, and presentation tasks.

LA 523. Drawing The Landscape. 4 Credits.
Exploration of the varied ways to represent and understand the form, cultural meaning, social content, history, natural dynamics, regional context, spiritual intentions, and technical functions of urban and rural landscapes.

LA 529. Civic Agriculture. 4 Credits.
Exploring the impact and subsequent reversal of industrialized food systems through community driven production, distribution and equity methods, foodshed resiliency creation and ecologically literate agriculture practice.

LA 533. Japanese Garden. 4 Credits.
Explores the art, form, meaning, and experience of Japanese gardens. Special emphasis on their heartland in the valley of Nara and Kyoto.

LA 539. Landscape Architectural Design and Process. 6 Credits.
Intermediate problems in landscape architecture design. Relations among problem concepts, goals, design theory, communication media, and technical analysis. Repeatable four times for a total of 30 credits.

LA 540. Introduction to Landscape Planning Analysis. 4 Credits.
Principles of designing land- and waterscapes for human use and settlement. Ecological, social, and economic analyses of landscapes, resources, and patterns of occupancy in the Eugene-Springfield area.
Prereq: LA 513.

LA 541. Principles of Applied Ecology. 2-6 Credits.
Application of ecological concepts to landscape design, planning, and management. Emphasis on spatially explicit problem-solving over a range of spatial and temporal scales.
Prereq: one course in the natural sciences.

LA 550. Advanced Landscape Media. 4 Credits.
The role of media in design inquiry; development of hard-line drawing skills, diagramming, and principles of graphic design. Repeatable.

LA 559. Landscape Technology Topics. 2-4 Credits.
Intensive study of topics in landscape construction and maintenance. Topics include irrigation, lighting, special structures, water management, and road design. Repeatable thrice for maximum of 10 credits.

LA 562. Professional Practice of Landscape Archtecture. 2 Credits.
Introduces students to key aspects of professional practice, fundamental professional skills, and professional career planning. Includes licensure, legal aspects of landscape architecture, career options, business management, and project management.

LA 572. Landscape Architectural Theory: [Topic]. 4 Credits.
This course examines theories and the role of theory in landscape architecture. Each offering explores landscape theory through a different lens, including the analysis and design of landscapes, the creation of built works, and the discussion and critique of projects.

LA 574. History of Landscape Architecture I. 4 Credits.
First in a sequence covering the history of landscape architecture. Explores the history and theory of the designed landscape from the beginnings of human settlement to the 19th century.

LA 575. History of Landscape Architecture II. 4 Credits.
The second in a sequence of two classes covering the history of landscape architecture, from the 19th century to the late 20th century.

LA 584. Landscape Perception. 4 Credits.
Development of the human-environment relationship as it relates to landscape perception, landscape archetypes, and the development of a theoretical base for contemporary landscape design.

LA 589. Site Planning and Design. 6 Credits.
Advanced problems in landscape architecture, cultural determinants of site planning and design, design development and natural systems and processes as indicators of carrying capacity. Repeatable.
Prereq: LA 539.

LA 594. Land Planning and Design. 6 Credits.
Problems in landscape architecture of increased cultural complexity. Land-use planning, computer-aided ecological analysis of land, environmental impact, urban and new community design.
Prereq: LA 489/589.

LA 601. Research: [Topic]. 1-16 Credits.
Repeatable.

LA 602. Supervised College Teaching. 2-5 Credits.
Repeatable.

LA 603. Dissertation. 1-16 Credits.

LA 605. Reading and Conference: [Topic]. 1-16 Credits.
Repeatable.

LA 606. Special Problems: [Topic]. 1-16 Credits.
Repeatable.

LA 607. Seminar: [Topic]. 1-5 Credits.
Repeatable. A recent topic is Introduction to Landscape Literature.

LA 608. Workshop: [Topic]. 1-16 Credits.
Repeatable. Intensive study combining practical projects with instruction on special topics related to landscape problems.

LA 609. Practicum: [Topic]. 1-16 Credits.
Repeatable. Supervised field laboratory work; clinical or in-service educational experience. Planned programs of activities and study with assured provisions for adequate supervision.

LA 610. Experimental Course: [Topic]. 1-5 Credits.
Repeatable.

LA 617. Introduction to Landscape Architecture Theory. 4 Credits.
Survey and critique of the theoretical frameworks for landscape architecture.

LA 620. Landscape Research Methods I. 2-4 Credits.
Contemporary research issues and strategies. Theories, approaches, and techniques applicable to topics and problems in landscape architecture. Sequence with LA 621.

LA 621. Landscape Research Methods II. 2-4 Credits.
Contemporary research issues and strategies. Theories, approaches, and techniques applicable to topics and problems in landscape architecture. Sequence with LA 620.
Prereq: LA 620.

LA 699. Master's Project. 2-10 Credits.
Student-directed and executed performance and communication of original research or project work to demonstrate advanced mastery of landscape architecture. Repeatable.