LANDSCAPE ARCHITECTURE & HORTICULTURE

116 **LANDSCAPE ARCHITECTURE**

119 **HORTICULTURE & GARDENING**

WHAT OUR STUDENTS SAY

"The emphasis on practical applications over the theoretical prepares students to immediately and confidently enter the profession of landscape architecture."

— **Amy Hite**, current Landscape Architecture Certificate Student

LARE Prep Courses

"I passed! ... wouldn't have been able to do it without your help!"
–LARE prep student

Studying for the Landscape Architect Registration Exam (LARE) can be confusing and stressful, but UCLA Extension's highly regarded review program provides exceptional preparation for all areas of the exam.

Enroll today and gain the confidence and mastery you need to succeed!

LARE 1: Sat., Mar. 2, 9am–5pm

LARE 2: Sun., Mar. 3, 9am–5pm

LARE 3: Sun., Feb. 24, 9am–5pm

LARE 4: Fri. & Sat., Feb. 22, 1–7pm & Feb. 23, 9am–5pm

Our LARE reviews offer:

- **Convenient schedules**–Sections 1, 2, and 3 are 1-day courses; Section 4 is 2 days.

- **Flexible enrollment options**–enroll in 1 review, or all 4.

- **3 essential keys to pass the exam**–subject matter mastery, problem-solving skills, and test-taking strategies.

- **Expert instruction**–by working landscape architects.

Landscape Architecture

For more information call (310) 825-9414 or email landscapearchitecture@uclaextension.edu.

Note: The Landscape Architecture Program does not support AutoCAD on the Mac.

All CAD courses are fast-paced and complex; absence from any meeting is discouraged. The courses require at least three hours of computer work outside of class per week. Lab hours are not available; therefore, students must have access to their own hardware and software for the courses in which they enroll. Laptops are required for certain courses; check individual course descriptions for specifics.

FREE SOFTWARE AND SOFTWARE LICENSES
Certificate students may download AutoCAD for free upon proof of student status and may be eligible for academic rates on other software for their home computer. Prices and restrictions are subject to change. Software versions should reflect the version used in class as an older version may not possess the same interface or tools demonstrated in class. Each student must verify that his/her computer meets the software's minimum system requirements. For more information call (310) 825-9414.

ARCH X 471.1A
Landscape Design 1: Site Design Basics
4.0 units
This course explores basic design elements, principles, and issues relevant to landscape architecture. Projects emphasize abstract 3D space and form; the basics of site design: conceptual design, imagery, and symbolism; and basic issues of proportion, scale, and composition.
Prerequisite(s): X 472 Introduction to the Landscape Design Professions and X 472.4D Design Graphics I: Drafting and Drawing of the Built Environment.

Reg# 364796
  Fee: $925
  No refund after 14 Jan.
❖ *Classroom*
  11 mtgs
  Tuesday, 7-10pm, Jan. 8-Mar. 19
  UCLA Extension 1010 Westwood:
  1010 Westwood Blvd.
Visitors not permitted. 🌐 📖
Steven Chavez, founding principal of SCA-LARC (Steven Chavez Associates—Landscape Architecture). Steven founded SCA-LARC in 2009 after working for Gustafson Guthrie Nichol of Seattle. He received his Bachelor of Landscape Architecture from the University of Washington. Mr. Chavez's core interest is designing high-use public and civic spaces.

ARCH X 472.4E
Design Graphics 2: Communication for Site Analysis, Conceptual and Site Design
4.0 units
Students build upon drafting, lettering, and drawing techniques learned in Design Graphics 1. The second class in the series, it also concentrates on the graphic conventions for site analysis, conceptual design, design process and measured plan, perspective, and section elevations as they relate to the field of landscape architecture and professional standards. All work product is developed from the Tongva Park site used in Design Graphics 1, located in Santa Monica. At the end of this course, students make an oral presentation to the instructor and visiting guests. The students present a package of work product that includes hand drafting and colored rendering of a conceptual site plan, section/elevations and perspective vignettes; graphic package of progress drawings including site analysis graphics, design concept studies, and a final design concept with supporting design elements.
Prerequisite(s): X 472 Introduction to the Landscape Design Professions and X 472.4D Design Graphics 1.

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Reg# 364800
  Fee: $925
  No refund after 16 Jan.
❖ *Classroom*
  11 mtgs
  Thursday, 7-10pm, Jan. 10-Mar. 21
  UCLA Extension 1010 Westwood:
  1010 Westwood Blvd.
Visitors not permitted. 🌐 📖
Rebecca Schwaner, MA, landscape and Project Designer at Studio - MLA. Her built work includes streetscapes, affordable housing environments, park and civic projects, and reclamation and restoration of habitat. In 2010 she was selected Outstanding Instructor of the year in Arts, Landscape Architecture Program.

ARCH X 471.1B
Landscape Design 2: Site Design
4.0 units
This course introduces the landscape architectural design process. Emphasizing process and concept development, students identify a problem and then use site inventory, analysis, program development, and exploration to test solutions. Projects are small-scale sites, preferably actual, and visitable, such as intimate courtyards, street plazas, and pocket parks, and/or physically built (i.e., limited use of computer drafting, rendering, and 3D modeling).
Prerequisite(s): X 471.1A Landscape Design 1 and X 472.4E Design Graphics 2. Candidacy in the Landscape Architecture Program.

Reg# 364797
  Fee: $925
  No refund after 15 Jan.
❖ *Classroom*
  11 mtgs
  Wednesday, 7-10pm, Jan. 9-Mar. 20
  UCLA Extension 1010 Westwood:
  1010 Westwood Blvd.
Visitors not permitted. 🌐 📖
Jim Smith, MArch, UCLA; AIA, architect (CA 14453); chief of the Development Division, Planning and Development Agency for the Los Angeles County Department of Parks and Recreation. Mr. Smith has a BA in Cultural Geography from CSUN and an MA in Architecture from UCLA. He is a licensed architect in California.

ARCH X 472.4F
Design Graphics 3: Digital Rendering and Presentation Drawings
4.0 units
This third course in the Design Graphics Sequence takes the same site plan and designs and renders them with digital media. Advanced and additional details will fill out the sequence with a full graphic package that will encompasses digital renderings, sections, and elevations.
Prerequisite(s): X 472.4E Design Graphics 2 and X 471.1A Landscape Design 1. Candidacy in the Landscape Architecture Program.

Reg# 364801
  Fee: $1,050
  No refund after 13 Jan.
❖ *Classroom*
  10 mtgs
  Monday, 6:30-10pm, Jan. 7-Mar. 18
  UCLA Extension 1010 Westwood:
  1010 Westwood Blvd.
  Saturday, 9am-12:30pm, Feb. 9
  UCLA Extension 1010 Westwood:
  1010 Westwood Blvd.
No class meetings on Jan. 21; Feb. 18.
Visitors not permitted. 🌐 📖
Sheldon Nemoy, alumnus of the office of Charles Eames and honorary member of the Eames Foundation. Mr. Nemoy has worked extensively for major domestic and international clients, and is also an author and seminar speaker.

Landscape Architecture Curriculum

Students can begin the program sequence Summer or Fall Quarter; courses must be taken in sequence & during the year indicated below.

Year 1

Summer/Fall	Fall/Winter	Winter/Spring	Spring/Summer
Introduction to the Landscape Design Professions (4 units) **Design Graphics 1: Drafting and Drawing of the Built Environment** (4 units)	**Landscape Design 1: Site Design Basics** (4 units) **Design Graphics 2: Communication for Site Analysis, Conceptual, and Site Design** (4 units)	**Landscape Design 2: Site Design** (4 units) **Design Graphics 3: Digital Rendering and Presentation Drawings** (4 units)	**Landscape Design 3: Advanced Site Design** (5 units) **AutoCAD 1** (4 units) **History of the Designed Landscape** (4 units) *Only Offered Summer Quarter*

Year 2

Fall	Winter	Spring	Summer
Grading & Drainage (4 units) **Plant Materials: Trees** (4 units) Portfolio Review	**Landscape Design 4: Sustainable Design/ Environmental Analysis and Planning** (4 units) **Plant Materials: Shrubs** (4 units)	**Landscape Design 5: Planting Design** (4 units) **AutoCAD 2** (4 units)	**Landscape Design 6: Concept Development** (4 units) **Irrigation/Water Conservation** (4 units)

Year 3

Fall	Winter	Spring	Summer
Landscape Construction Methods & Materials (4 units) **Construction Drawing 1** (4 units) **Professional Practices in Landscape Architecture** (2 units)	**Construction Drawing 2** (4 units) **Human Factors in Landscape Architecture** (4 units)	**Landscape Design 7: Advanced Design Studio** (5 units) **Capstone Project Seminar** (3 units)	**Capstone Project Studio** (10 units) Portfolio Review

- 6 elective units must be inserted into the 3-year plan before beginning the Capstone Project Studio.

- Students beginning Summer Quarter should expect the program to last 3 years and 1 quarter. They will receive individual advising and a slightly altered sequence.

For More Information
(310) 825-9414 | *landarch.uclaextension.edu*

ARCH X 472.9
Landscape Design 4: Environmental Analysis and Planning
4.0 units
This course studies the methods and attitudes of environmental research and analysis utilized by landscape architects. Students investigate the natural, historical, and cultural factors that impact land-use suitability, design programming, and design development. Instruction emphasizes the application of these methods to both the natural and built environments. *Prerequisite(s):* ARCH X 471.2 Landscape Design 3; ARCH X 472.12A Grading and Drainage.
Reg# 364803
  Fee: $925
  No refund after 14 Jan.
❖ *Classroom*
  11 mtgs
  Tuesday, 7-10pm, Jan. 8-Mar. 19
  UCLA Extension 1010 Westwood:
  1010 Westwood Blvd.
Visitors not permitted. ⊕ 📖
Matthew Shimer, MLA in landscape architecture from Chatham University in Pittsburgh, Pennsylvania, with a focus on stormwater management. Matthew is a licensed landscape architect in California and has earned a LEED AP credential in sustainable neighborhood development.

ARCH X 472.8B
Plant Identification: Shrubs
4.0 units
One of the two required plant material courses, focusing on plants, their communities, and place in the landscape. Instruction focuses on plant materials that often influence the landscape architect's overall site composition. This course focuses on medium-scale materials, such as shrubs, vines, ground covers, and special-effects plants used to fulfill specific site requirements—and companion plant groupings and planting location as design elements. Students take Saturday and Sunday field trips (itinerary discussed at the first class) to urban landscapes, campuses, gardens, arboreta, and nurseries, meeting once (first class) at UCLA in a classroom setting. Students are responsible for their own transportation to remote lecture locations (carpooling is encouraged) and must bring a camera to all classes.

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Reg# 364802
  Fee: $925
  No refund after 25 Jan.
❖ *Classroom*
  9 mtgs
  Saturday, 9am-1pm, Jan. 12
  UCLA: Botany
  Filed trips
  Saturday, 9am-1pm, Jan. 26-Mar. 23
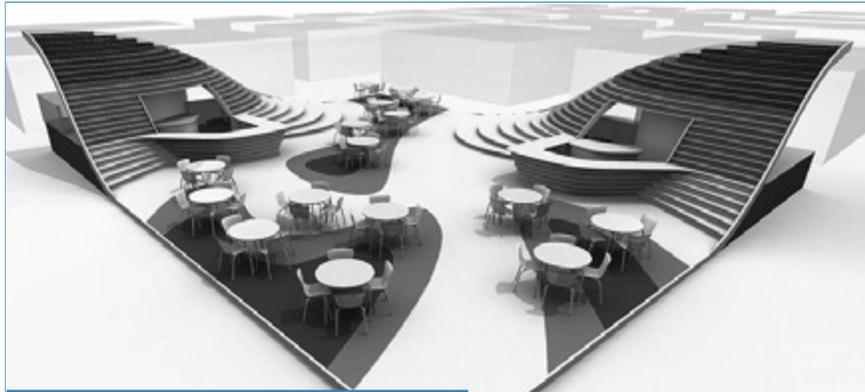*No meeting on Jan 19; Feb. 16.*
Visitors not permitted. ⊕ 📖
Tom Rau, BA, Architecture, UC Berkeley; MBA, USC; ASLA, landscape architect (CA 5681), who specializes in water-sensitive design of residential, commercial and public projects. Mr. Rau is currently a principal in Urban Water Group, Inc.

Landscape Architecture Electives

Some Horticulture & Gardening courses count toward elective requirements in the Landscape Architecture certificate.

Horticulture & Gardening courses begin on page 116.

Rhinoceros 5

Sat., January 12–March 23, 10am - 2pm, DTLA Campus
Laptop Course

This course will teach students fundamental modeling techniques and procedures in the 3D modeling software Rhinoceros 5, as well as their practical application in the field of Landscape Architecture. It will examine the limits of the software through a series of modeling exercises intended to showcase Rhinoceros 5's capabilities in representing landscapes, spaces, and objects at a variety of scales. Basic means and methods to output modeled content for further use and development will be demonstrated.

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For More Information
(310) 825-9414 | *uclaextension.edu*

Sketching & Plant Identification

In this unique field-trip focused course, students will develop their skill of observation and knowledge of plant details in different locations. Instructor will augment classes with site-specific knowledge of practical uses of plants in the garden, and discuss planting conditions, design, and more. All skill levels are welcome!

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Class meetings around town, 10am–4pm

Sun., Feb. 24, San Gabriel Nursery and Florist

Sun., Mar. 3, Earl Burns Miller Japanese Garden

Sun., Mar. 10, Getty Center

Sun., Mar. 17, Valley Crest Tree Company

For More Information
(310) 825-9414 | *landarch.uclaextension.edu*

ARCH X 472.23
Human Factors in Landscape Architecture
4.0 units
This course presents an introduction to current concepts and research on how people interact with their environments and how design shapes human behavior and perception. Topics include the cultural and social determinants of territoriality; personal space and life style as design generators; designing for community, privacy, and safety; perception and recognition of urban form; designing streets and plazas for pedestrian use; the sensory environment; and learning from and programming for clients.
Prerequisite(s): X 472.19 Design VI: Concept Development.
Reg# 364799
Fee: $925
No refund after 14 Jan.
❖ *Classroom*
11 mtgs
Tuesday, 7-10pm, Jan. 8, 15 & 29;
Feb. 5 & 19; Mar. 5-19
UCLA Extension Gayley Center:
1145 Gayley Ave.
Field trips
Sunday, 10am-1:30pm, Jan. 20; Feb. 3
Tuesday, 6-10pm, Feb. 12
Sunday, 12-4pm, Mar. 3
Visitors not permitted. 🌐 📖
Eileen Alduenda, interim executive director of the Council for Watershed Health. She has an MLA from the University of Washington where she focused on urban ecological systems and completed research for Seattle Public Utilities on Natural Drainage Systems as an approach to Low Impact Development.

ARCH X 472.14C
Landscape Construction Drawing 2
4.0 units
This second construction drawing course completes the construction document package. Students prepare and incorporate electrical plans, planting plans, detail sheets, miscellaneous site furnishing schedules, specifications, and cost estimates.
Prerequisite(s): X 493.6 AutoCAD 2, X 472.14B Landscape Construction Drawing I and X 472.14A Landscape Construction Methods and Materials
Reg# 364798
Fee: $925
No refund after 16 Jan.
❖ *Classroom*
11 mtgs
Thursday, 7-10pm, Jan. 10-Mar. 21
UCLA Extension 1010 Westwood:
1010 Westwood Blvd.
Visitors not permitted. 🌐 📖
Perla Arquieta, who has worked with Galper/Baldon Associates, Laura Saltzman Associates, Artecho Landscape Architects, KAA Design Group, and, most currently, The County of Los Angeles Parks and Recreation. Ms. Arquieta's body of work includes residential, institutional, commercial, and public projects. She is a member of ASLA.

Electives

ARCH X 494.65
Sketching and Plant Identification
3.0 units
Held at locations in and around the Southern California area, this course is an introduction to scientific illustration and plant identification. Students are introduced to plant taxonomy and terminology. The instructor establishes a plant pallet to be studied for each location. Above all, students develop a keen sense of awareness and observation.
Reg# 364804
Fee: $695
No refund after 23 Feb.
❖ *Classroom*
4 mtgs
Sunday, 10am-4pm, Feb. 24-Mar. 17
Elective course in Landscape Architecture and Horticulture Certificates
Students must provide their own transportation to field trip locations. 🌐 📖
David Squires, MA in Architecture and Urban Design, UCLA; BS in Landscape Architecture and Regional Planning, Washington State University. Mr. Squires is the principal of AroundYOU, a multi-disciplinary studio offering master planning, solar planning, architectural design, landscape architecture, and garden design.

ARCH X 494.933
Creating Magic in a Residential Space
3.3 units
Every landscape speaks in a different voice. The residential designer must hear what is said and marry the needs of the landscape to the desires of the client. This course focuses on how to develop and produce ideas as you experience the space and create a magical feeling in your residential design. The emphasis is on process through overlay studies, rather than working drawings or presentation graphics, resulting in a final design sketch.
Prerequisite(s): Arch X 471.2 Landscape Design 3: Advanced Site Design or consent of the Program Office.
Reg# 364785
Fee: $695
No refund after 15 Jan.
❖ *Classroom*
10 mtgs
Wednesday, 7-10pm, Jan. 9-Mar. 13
UCLA Extension 1010 Westwood:
1010 Westwood Blvd.
Elective course in the Landscape Architecture Certificate. 📖
Garett Carlson, MArch, BLA, landscape architect (CA 1606), who has been creating uniquely beautiful, timeless landscape and architectural environments in Southern California and elsewhere for over 25 years. He is widely respected as a landscape architect who brings a special vision to site planning and an unusual aesthetic sensitivity to the design of outdoor space.

ARCH X 493.883
Rhinoceros 5
3.0 units
This course explores new methods to conceive, create and represent landscape through the 3D modeling software Rhinoceros 5. Investigations during the course will commence with visions of landscape surfaces and their manipulation. Further exploration will cover objects, buildings, structures, follies, and architecture that inhabit these landscape. Throughout these studies, students will revisit and reconceive the relations between their landscape strategies, the things that inhabit them, and how to represent them.
Reg# 364788
   Fee: $695
   No refund after 11 Jan.
   ❖ *Classroom*
   6 mtgs
   Saturday, 10am-2pm, Jan. 12-Mar. 23
   UCLA Extension DTLA: 261 S. Figueroa St.
Laptop course. Students are required to bring their personal laptops with Rhino 5 software installed to each and every class.
Instructor does not help students install or download software. ⊕
Evan Bliss, an emerging practitioner in Los Angeles who has worked for the award-winning offices of Lehrer Architects, XTEN Architecture, and Clive Wilkinson Architects on projects locally and internationally. Evan serves on the Board of the Directors for the non-profit LA Forum for Architecture & Urban Design.

ARCH 747
LARE Section 1: An Intensive Review
Designed for students who are preparing to take the Landscape Architects Registration Exam (LARE) Section 1: Project and Construction Administration, this workshop covers the knowledge and skills associated with regulations, contracts, and construction administration processes.
Reg# 364792
   Fee: $337
   No refund after 27 Feb.
   ❖ *Classroom*
   1 mtg
   Saturday, 9am-5pm, Mar. 2
   UCLA Extension Lindbrook Center:
   10920 Lindbrook Dr.
Advance enrollment required; no enrollment at the door.
Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over years' experience practicing landscape architecture in California and Arizona, Ms. Woodward has specialized in municipality projects and infrastructure projects. Served as past president of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

ARCH 748
LARE Section 2: An Intensive Review
Designed for students who are preparing to take the LARE Section 2: Inventory and Analysis, this workshop covers the knowledge and skills related to inventory, data gathering, analysis, programming, regional land use planning, site land use planning, and principles of design.
Reg# 364793
   Fee: $337
   No refund after 27 Feb.
   ❖ *Classroom*
   1 mtg
   Sunday, 9am-5pm, Mar. 3
   UCLA Extension Lindbrook Center:
   10920 Lindbrook Dr.
Advance enrollment required; no enrollment at the door.
Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over years' experience practicing landscape architecture in California and Arizona, Ms. Woodward has specialized in municipality projects and infrastructure projects. Served as past president of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

ARCH 749
LARE Section 3: An Intensive Review
Designed for students preparing to take LARE Section 3: Design. This workshop covers the knowledge and skills required for site design from principles of design and initial programming through preliminary design stages. Revised exam includes analysis, details, and design materials.
Reg# 364794
   Fee: $337
   No refund after 20 Feb.
   ❖ *Classroom*
   1 mtg
   Sunday, 9am-5pm, Feb. 24
   UCLA Extension 1010 Westwood:
   1010 Westwood Blvd.
Students are expected to bring basic drafting supplies, trace paper, and a calculator to class.
Advance enrollment required.
Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over years' experience practicing landscape architecture in California and Arizona, Ms. Woodward has specialized in municipality projects and infrastructure projects. Served as past president of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

ARCH 750
LARE Section 4: An Intensive Review
Designed for students preparing to take LARE Section 4: Grading, Draining, and Construction Documentation. This workshop covers the knowledge and skills for preparing plans, including demolition, grading, drainage, planting, and stormwater management. Also covers construction documentation and specifications.
Reg# 364795
   Fee: $588
   No refund after 20 Feb.
   ❖ *Classroom*
   2 mtgs
   Friday, 1-7pm, Feb. 22
   UCLA Extension 1010 Westwood:
   1010 Westwood Blvd.
   Saturday, 9am-5pm, Feb. 23
   UCLA Extension 1010 Westwood:
   1010 Westwood Blvd.
Students are expected to bring basic drafting supplies, trace paper, and a calculator to class each day.
Advance enrollment required.
Angela Woodward, BSLA, landscape architect (CA 2126) with 30 over years' experience practicing landscape architecture in California and Arizona, Ms. Woodward has specialized in municipality projects and infrastructure projects. Served as past president of the American Society of Landscape Architecture (ASLA), Southern California Chapter.

Free Open House!
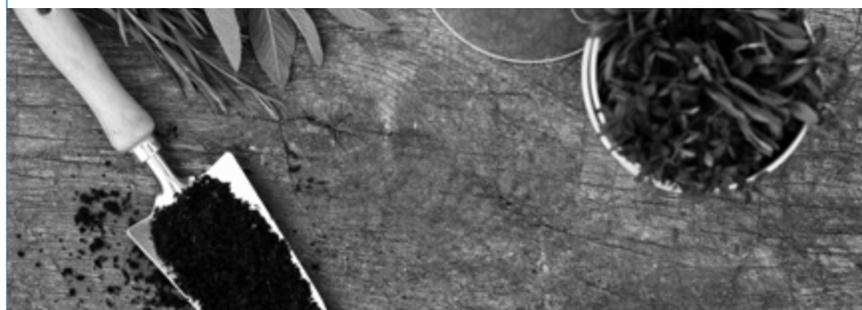# The Horticulture & Gardening Certificate Program
Saturday, February 9, 9:30–11am, 1145 Gayley Ave.

Interested in becoming an urban gardener or looking for a promotion at work? The Horticulture & Gardening Program has a wide array of courses, specializations, and a professional certificate to fit your needs. Increase your plant pallet, develop diagnostic skills for plant diseases and pests, learn the components of a healthy soil, and acquire the knowledge to manage water issues within a landscape. These are just a few of the many topics covered within the program.

Attend our informative Open House to learn more about the curriculum, career opportunities, and the benefits of enrollment in the certificate. Speakers include program director, program instructor, and current and/or former students.

Course Discount
Each new program student who attends the Open House receives a 15% discount on the following spring courses:

BIOLGY X 499.97 Irrigation and Water Management

BIOLGY X 496.2 General Botany for Gardeners

BIOLGY X 494 Introduction to Horticulture

For More Information, contact the program office at (310) 825-9414;
horticulture@uclaextension.edu.

Horticulture & Gardening

Enrollment is open to anyone interested in learning the science of horticulture or the common techniques to successful gardening.

For Horticulture Certificate information visit horticulture.uclaextension.edu.

BIOLGY 751
Horticulture & Gardening Open House
Interested in taking your passion and turning it into a career? The Horticulture & Gardening program offers a wide range of programs and courses to get you on your way. Whether you are looking for a new career path or desire the knowledge to care for your own landscape more efficiently, we have the course for you. This free information session covers program certificate curriculum, specializations, individual courses, schedules and fees associated with taking this new "green" path. Led by the program director, former students and a current instructor, we've got the answers to all your questions. We will raffle off a free class and offering discounts on select courses for NEW program students who attend this open houses. *This information session is free and open to the public. Please RSVP/Enroll today!*

Reg# 364789
   Fee: $0
   No refund after 9 Feb.
   ❖ *Classroom*
   1 mtg
   Saturday, 9:30-11am, Feb. 9
   UCLA Extension Gayley Center:
   1145 Gayley Ave.
Free Program Information Session!
Stephanie Landregan, BA, landscape architect (CA 4093)

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