

Horticulture Certificate Curriculum Sequence

Students Can Begin the Program at Any Time

Designed for aspiring horticulturists and for professionals currently working in the landscape industry, the Horticulture Certificate provides the science-based curriculum sought by current industry employers.

The certificate provides a comprehensive approach to horticulture, teaching proper plant care, how to think strategically and holistically in any environment, and how to be successful and competitive within the industry.

Certificate Designed For

- Landscape Professionals
- Master Gardeners
- Garden Designers
- Landscape Contractors

Curriculum

The curriculum consists of 6 core courses and 4 units of program-approved electives. Students are able to finish the certificate in as little as one year.

Courses available individually or as part of the certificate.

Core

Spring	Summer	Fall	Winter
General Botany for Gardeners (4 units) Irrigation and Water Management (4 units)	Plant Materials for Landscape Use (4 units)	Horticultural Pest Management (4 units)	Soils and Plant Nutrition (4 units) Plant Taxonomy and Identification (2 units)

- 4 elective units or a program approved internship must be completed before certificate is awarded.

For More Information

(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 X 496.2

General Botany for Gardeners

4.0 units

This course provides a general introduction to the study of plant structures and functions, emphasizing these aspects as they relate to the natural survival and cultivation of plants. Topics include types and functions of leaves, stems, flowers, and fruits; plant-water relations; basic genetics; ecological tolerances; and an introduction to plant names and groupings. Many of the topics include ample hands-on experience with plants.

Reg# 369218

Fee: \$625

No refund after 29 Sept.

• Hybrid

8 mtgs

Classroom meetings

Monday, 6:30-9:30pm, Sept. 23; Oct. 14; Nov. 4 & 18; Dec. 2

UCLA Extension DTLA: 261 S. Figueroa St.

Field trips

Saturday, 9am-12pm, Oct. 5

Sunday, 9am-12pm, Oct. 27; Nov. 10

Online sessions

Sept. 30; Oct. 21; Nov. 25

Core course in Horticulture Certificate. Elective course in the Landscape Architecture certificate

Visitors not permitted. 🌐 📖

Valerie Wong, PhD, Plant and Microbial Biology. Dr. Wong earned a bachelor's degree in biochemistry from Wellesley College and her most recent research investigates microbes living inside plants and lichens of the subarctic, through work with the University of Minnesota.

BIOLGY X 498.2

Horticultural Pest Management

4.0 units

This course covers the identification and management of common garden insects, diseases, and weeds. Topics include integrated pest management (IPM) and biological and other non-chemical methods of control, as well as information on available chemicals and safety programs required for their uses.

Reg# 369219

Fee: \$625

No refund after 1 Oct.

• Classroom

11 mtgs

Wednesday, 7-10pm, Sept. 25-Dec. 4

UCLA Extension Gayley Center:

1145 Gayley Ave.

One weekend class meeting to be arranged.

Core course in Horticulture Certificate.

Visitors not permitted. 🌐 📖

Gretchen Renshaw, BS Ornamental Horticulture from Cal Poly San Luis Obispo, horticulturist, horticulture teacher, and director of Manhattan Beach Botanical Garden

BIOLGY X 494

Introduction to Horticulture

4.0 units

Designed for beginners and experienced gardeners, this course covers the basics of garden care and provides the student with the knowledge to solve many of the problems commonly faced in keeping plants healthy. Topics include soils and soil amendments, fertilizers, plant physiology and identification methods, planting, pruning, and staking techniques, turf grasses, plant selection guidelines, and pest and disease control. The course also includes a brief history of horticulture and an introduction to taxonomy. Students are encouraged to bring in plants for identification and discussion. Includes field trips.

→ → →

Reg# 369216

Fee: \$625

No refund after 30 Sept.

• Classroom

11 mtgs

Tuesday, 7-10pm, Sept. 24-Dec. 3

UCLA: Botany

Core course in the Gardening Specialization. Elective course in the Landscape Architecture Certificate. 🌐 📖

Gary Jones, chief horticulturist at Armstrong Garden Centers. He has served as a member of the Board of Trustees for The Arboretum of Los Angeles and is a member of the Board of Advisors for Southern California Chapter of The Mediterranean Garden Society.

BIOLGY X 497.19

Planting Design for the Home Gardener

4.0 units

This course covers the principles of design for the residential garden using a combination of plant materials and built elements. Instruction includes spatial, functional, climatic, and visual analysis of the site. It also explores the design process for laying out the garden, choosing site-appropriate plants, providing structural definition, and producing desired moods, vistas, and aesthetic effects. Includes three field trips to successfully established Los Angeles-area gardens.

Reg# 369627

Fee: \$625

No refund after 2 Oct.

• Classroom

10 mtgs

Thursday, 6:30-9:30pm, Sept. 26-Dec. 5

UCLA Extension 1010 Westwood:

1010 Westwood Blvd.

No meeting Nov. 28.

Three field trips to be arranged.

Elective course in the Horticulture Certificate. 🌐

Wendy Glomb, BLA, who began teaching at UCLA Extension in 2013. She is a member of the L.A. chapter of the AIA and has a practice in Los Angeles as well as Santa Barbara.

BIOLGY X 489.6

Urban Food Production

4.0 units

The production, packaging, and transportation of food are large contributors to our global carbon emissions. Throughout the Los Angeles basin, food gardens have sprung up producing local healthy and nutritious fruits and vegetables while contributing energy and financial savings in difficult economic times. Using the history and current practices of growing food in the city as a template, this course explores how urban grown food reduces food budgets and encourages food sovereignty while addressing environmental concerns. Participants are each given a small plot for growing food where they can experiment with new ideas and enjoy their harvest. Topics include fruit trees, vegetables, and berries that do well in our climate as well as often overlooked food-producing perennials. We address pitfalls, challenges, and practical answers to growing food in modern city lots where the "back 40" describes square feet and not acres.

Reg# 369215

Fee: \$625

No refund after 12 Oct.

• Classroom

9 mtgs

Sunday, 1-5pm, Oct. 6-Dec. 15

UCLA: Royce Hall

No meeting Nov. 10; Dec. 1.

Elective course in Horticulture and Sustainability Certificates. Visitors not permitted. 🌐

David King, gardener for more than 50 years, specializing in edible plants. A long-standing member of Seed Savers Exchange and the American Community Gardening Association (former board member), he is the founding chair of the Seed Library of Los Angeles.

Horticulture Electives

Some Landscape Architecture courses count toward elective requirements in the Horticulture Certificate.

To view Landscape Architecture courses visit page 124.



Gardening Specialization

Take your love of plants to the next level with the new Gardening Specialization. Designed for gardening enthusiasts, students will learn the fundamentals of gardening via lecture, hands on practice, and field trips to unique garden destinations in and around the Los Angeles area. Individuals who desire the knowledge to successfully grow and maintain plants should sign up today.

Required Courses

Fall	Winter	Spring	Summer
Introduction to Horticulture	Soils and Plant Nutrition	Introduction to Horticulture Irrigation and Water Management	Gardening Practices and Techniques

All courses are open enrollment, students can start the program any quarter. Courses begin on page 128.

For More Information

Visit horticulture.uclaextension.edu or call the Horticulture & Gardening program office at (310) 825-9414.



Urban Food Production

Interested in growing your own food?

Urban Food Production is a hands-on course where students can develop skills to successfully grow their own food. The class will cover growing fruit trees, vegetables, berries, and often overlooked food-producing perennials. Common garden pests and soil issues associated with vegetable gardening will also be covered.

Reap what you sow!

Page 128.

For More Information

(310) 825-9414 | horticulture.uclaextension.edu

Landscape Architecture and Horticulture & Gardening Programs

Free Information Session

Saturday, August 3, UCLA Extension 1010 Westwood Center

9:30–11:30am

Landscape Architecture

RSVP to landscapearchitecture@uclaextension.edu

1–2:30pm

Horticulture & Gardening

RSVP to horticulture@uclaextension.edu

For More Information

(310) 825-9414

UCLA Extension Specializations

Gain focused studies concentrated on in-demand skills sought by employers.

With UCLA Extension Specializations, you can:

- Acquire specific, targeted skills in a focused area of study
- Network with instructors and students
- Complete them in one year

Over 30+ specializations offered, including:

- Arboriculture
- Gardening
- Plants for Landscape
- And many more

Learn more at uclaextension.edu/specializations



UCLA Extension DTLA

- Located at **261 S. Figueroa Street**, our downtown center offers:
- Easy access to public transportation
- A diverse range of courses and professional certificate programs
- Evening and weekend classes

Invest in your career without the crosstown commute to Westwood.

For this quarter's courses see page 4.