



Environmental Horticulture and Design 2013-2014

Environmental Horticulture & Design is a broad field encompassing the functional, aesthetic, and environmentally sound creation and care of our landscapes. Students learn to combine principles of environmental design, construction and maintenance practices for urban, rural and natural landscapes.

The green industry is one of the largest employers in the United States.

The Environmental Horticulture & Design Department offers both an Associate in Science Degree as well as a Certificate of Achievement. Students may also take courses in preparation for transfer to four-year institutions where they may continue their studies in horticulture, landscape architecture, and other related disciplines. We also encourage people currently working in the field to attend classes to supplement or update their knowledge. For the homeowner or the landscape professional, short courses from two to four weeks are available. More information can be found at the Environmental Horticulture & Design website at: www.foothill.edu/bio/programs/hort

Program Learning Outcomes:

- Students will demonstrate skills necessary to design residential landscapes.
- Students will be able to identify plant material.

Career Opportunities:

Examples of career opportunities include: arboriculture, environmental management, historic garden & estate management, horticultural consulting & fine gardening, horticultural therapy, interiorscaping, landscape construction, landscape design, and park and golf course management.

Units required for Major: 64

Units required for Certificate: 64

Associate Degree Requirements:

- English proficiency: ENGL 1A, 1AH, 1S & 1T, ESLL 26 or equivalent.
- Mathematics proficiency: MATH 57, 105, 108 or equivalent.

A minimum of 90 units is required* to include:

- All Foothill General Education requirements (30 Units)
- Core courses (45 Units)
- Support courses (19 Units)

*Additional elective course work may be necessary to meet the 90-unit minimum requirement for the associate degree.

NOTE: All courses pertaining to the major must be taken for a letter grade. In addition, all core and support courses for the degree or certificates must be completed with a letter grade of "C" or better.

Program Types:

AS = Associate in Science Degree.

CA = Certificate of Achievement.

Additional Information:

Partial or full general education waivers may be possible for people possessing an existing degree from an accredited institution or having existing college credits.

Core Courses: 45 Unit(s)

- HORT 10 Environmental Horticulture & the Urban Landscape (5 units)
- HORT 15 Orientation to Environmental Horticulture (4 units)
- HORT 21 Plant Materials I (3 units)
- HORT 22 Plant Materials II (3 units)
- HORT 30 Horticultural Practices: Soils (3 units)
- HORT 40 Landscape Design: Graphic Communication (4 units)
- HORT 52C Horticultural Practices: Plant Installation & Maintenance (3 units)
- HORT 54A Landscape Construction: General Practices (4 units)
- HORT 54B Landscape Construction: Technical Practices (3 units)
- HORT 54C Landscape Construction: Irrigation Practices (3 units)
- HORT 60B Landscape Design: Theory (3 units)
- HORT 60C Landscape Design: Irrigation (3 units)
- HORT 80A Environmental Horticulture Fall Skills (2 units)
- HORT 80C Environmental Horticulture Spring Skills (2 units)

Support Courses: 19 Unit(s)

- Plant Material Specialization (2 units)
- HORT 23 Plant Materials: California Native Plants (2 units)
- HORT 24 Plant Materials: Ground Covers & Vines (2 units)
- HORT 25 Plant Materials: Bamboos & Palms (2 units)
- HORT 26 Plant Materials: Perennials & Annuals (2 units)

- And Career Focus Specialization (11 units minimum)
- HORT 31 Horticultural Practices: Plant Propagation (3 units)
- HORT 45 Landscape Design: Computer Applications (3 units)
- HORT 52E Horticultural Practices: Greenhouse & Nursery Management (3 units)
- HORT 52G Horticultural Practices: Turfgrass Management (3 units)
- HORT 52H Horticultural Practices: Integrated Pest Management (3 units)
- HORT 54D Landscape Construction: Applied Practices (2 units)
- HORT 55A Green Industry Management: Business Practices (3 units)
- HORT 60D Landscape Design: Planting (3 units)
- HORT 60F Landscape Design: Process (3 units)
- HORT 60G Landscape Design: Intermediate Computer Applications (3 units)

- And Environmental Horticulture Skills (4 units)
- HORT 80B Environmental Horticulture Winter Skills (2 units)



units)
HORT 80D Environmental Horticulture Summer Skills (2
units)

And Short Course Specialization (2 units)
HORT 90A Container Plantings in the Landscape (1 unit)
HORT 90C Garden Ponds & Water Features (1 unit)
HORT 90D Herbs: Identification, Use, & Folklore
HORT 90E Horticultural & Landscape Photography (1 unit)
HORT 90F Landscape Design: Basic Principles (1 unit)
HORT 90G Landscape Design Forum (1 unit)
HORT 90H Landscape Lighting (1 unit)
HORT 90I Landscape Sustainability Practices (1 unit)
HORT 90K Landscaping with Edibles (1 unit)
HORT 90L Plant Propagation: Basic Skills (1 unit)
HORT 90M Plant Nutrition & Fertilization (1 unit)
HORT 90N Plant Materials: Fall Color (1 unit)
HORT 90P Pruning: Basic Skills (1 unit)
HORT 90Q Residential Irrigation Systems (1 unit)
HORT 90R Seasonal Floral Design (1 unit)
HORT 90S Sustainable Integrated Pest Management (IMP)
(1 unit)
HORT 90U Landscape Design: Perspective Sketching (1 unit)
HORT 90V Sustainable Organic Gardening (1 unit)
HORT 90X Water Conservation in Landscape Design (1 unit)
HORT 90Y Cacti & Succulents (1 unit)
HORT 90Z Ornamental Grasses (1 unit)
HORT 91A Composting Theory & Techniques (1 unit)
HORT 91B Sketchup for Landscape Designers (1 unit)

Certificates:

Certificate of Achievement in Environmental Horticulture & Design 64 Unit(s)

The Certificate of Achievement is awarded upon completion of the Core and Support Courses. General education courses are not required.