

HORTICULTURE, CERTIFICATE OF ACHIEVEMENT

Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, Information Competency, and General Education requirements.

The Certificate of Achievement in Horticulture represents a well-rounded education in local landscape horticulture, including plant identification, use and care, and design, installation and management of environmentally responsible landscape gardens and ecological restoration projects. The certificate will include at least one of the following specializations: efficient irrigation, integrated pest management, tree care specialist, and ecological horticulture. Students will earn or be partially prepared to earn industry-recognized certifications and will be qualified to take responsible positions with local employers or to become self-employed.

Learning Outcomes

Upon successful completion of the program, students will be able to:

- Practice basic botany to identify, propagate, and cultivate plants in landscape or nursery settings.
- Apply basic principles of garden design with consideration for soil, climate, drainage, water conservation, and sustainability.
- Apply principles of integrated pest management to identify, evaluate, and rectify pest, disease, and nutrition problems of plants in landscape or nursery settings AND/OR Evaluate and rectify landscape irrigation systems for efficiency AND/OR Apply principles of tree care to the selection and management of landscape trees AND/OR Apply knowledge of native plants and sustainable practices to create and manage environmentally positive landscape gardens and restoration projects.
- Identify two hundred horticultural plants by common name, scientific name, and cultivar.

Certificate of Achievement Requirements

Code	Title	Units
Required Core		
HORT 51	Introduction to Horticulture I	3
HORT 52	Introduction to Horticulture II	3
HORT 61	Plant Identification: Shrubs, Vines, and Ground Covers	3
HORT 62	Plant Identification: Trees, Annuals, and Perennials	3
HORT 65	Basic Landscape Design	3
Select one of the following specializations:		3-6
<i>Ecological Horticulture</i>		
BIOL 31	Introduction to Environmental Science	
HORT 64	Growing and Using California Native Plants	
<i>Landscape Irrigation</i>		
HORT 70	Irrigation Design and Water Economy	
<i>Landscape Pest Management</i>		
HORT 78	Integrated Pest Management	
<i>Tree Care Specialist</i>		
HORT 55	Tree Care	
HORT 202	Landscape Pruning	
Total Units		18-21