

HORTICULTURE, CERTIFICATE OF ACHIEVEMENT

Financial Aid Eligible
Banner Code: 1_CN_OH
Control Number: 22368

Upon completion of the Horticulture Program students will have the knowledge, skills and experience to work with plant material in multiple applications and multiple fields in the Landscaping and Nursery industries. Students will be qualified for careers in Landscape Design, Landscape Contracting, Landscape Maintenance, Arboriculture, Nursery practices, and Irrigation and Water Management.

Program Outcomes

1. Use knowledge of various plant materials to better design and maintain an outdoor garden or landscape.
2. Describe man's relationship with plants for food and environmental enhancement.
3. Describe current sustainability issues in Southern California and how good horticultural practices will improve long term sustainability.
4. Use knowledge of a particular chosen plant, greenhouse systems and propagation practices to successfully produce a healthy crop by a target date.
5. Use knowledge of site conditions, drafting skills, client needs, and various plant and building materials to solve a design problem.

Certificate Requirements

Orange Coast College offers two types of certificate awards in career programs designed to prepare the graduate to enter a particular field of employment. At least 3 units in an advanced course from the certificate must be completed at OCC.

1. **Certificate of Achievement** - 8 units or more in a state-approved program. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing his or her final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog.
2. **Certificate of Specialization** - 16 units or less in a locally approved program. Certificates of Specialization are not automatically awarded, not printed on official academic transcripts, and there is no acknowledgment of completion given at graduation. Please contact the division for details regarding the submission of petitions as procedures for each division vary. Most division offices prefer that students complete all of the required courses and then provide a copy of the transcript while some divisions allow petitions for Certificates of Specialization before finishing.

Minimum Grade Requirement

In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of this catalog. Check with a counselor to determine the requirements for completion.

Course	Title	Units
Year 1		
Fall		
BIOL A183 or HORT A105	Botany ¹ or Botany for Gardeners	3
HORT A109	Knowing Your Soils	3
HORT A181	Ornamental Trees	3
	Units	9
Spring		
HORT A182	Ornamental Shrubs	3
	Units	3
Year 2		
Fall		
Select 12 units of the following:		12
HORT A111	Landscape Drafting Techniques	
HORT A151	Introduction to Tree Care	
HORT A170	Pest Control Applicators and Gardeners P.C.O. Certification	
HORT A184	Greenhouse and Nursery Science	
HORT A185	Plant Diseases	
HORT A187	Interior Plantscaping	
HORT A200	Chronicles of Garden Design through the Ages ²	
HORT A231	Business of Landscape Design and Construction	
HORT A284	Portfolio Development ²	
HORT A290	Low-Voltage Landscape Lighting	
HORT A285	Introduction to Landscape Design ²	
HORT A297	Garden Pools, Fountains and Waterfalls in the Landscape	
	Units	12
Spring		
Select 12 units of the following:		
HORT A115	Landscape Graphics	
HORT A116	Digital Design	
HORT A150	Landscape Maintenance	
HORT A183	Plant Propagation	
HORT A186	Pests of Ornamentals	
HORT A189	Weeds and Their Control	
HORT A190	California Friendly Landscape	
HORT A191	Cacti and Succulents	
HORT A200	Chronicles of Garden Design through the Ages ²	
HORT A230	Calculations for Horticulture and Landscape Professionals	
HORT A284	Portfolio Development ²	
HORT A285	Introduction to Landscape Design ²	
HORT A283	Therapeutic Gardens: Design for Healing Spaces	
HORT A286	Landscape Design Elements	
HORT A287	Planting Design	
HORT A288	Sprinkler Irrigation Systems Design	
HORT A289	Installation of Residential Irrigation Systems	
Business Elective (any OCC Business course 100 or higher)		
HORT A296	Grading and Drainage for Landscape Design	
	Units	0
Total Units		24

¹ Transfer students should also take BIOL A183L Botany Lab.

² HORT A200 Chronicles of Garden Design through the Ages, HORT A284 Portfolio Development, HORT A285 Introduction to Landscape Design taken in Fall term may not be repeated in Spring term.