

# HORTICULTURE, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 1\_CN\_OH

**Control Number:** 22368

**Financial Aid Eligible**

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.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#achievementtext>).

Course	Title	Units
<b>Required Courses</b>		
BIOL A183 or HORT A105	Botany <sup>1</sup> Botany for Gardeners	3
HORT A109	Knowing Your Soils	3
HORT A181	Ornamental Trees	3
HORT A182	Ornamental Shrubs	3
<i>Restricted Electives (select 12 units)</i>		12
Elective courses generally offered in Fall (any course may only be completed once):		
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 <sup>2</sup>	
HORT A200	Chronicles of Garden Design through the Ages	
HORT A231	Business of Landscape Design and Construction <sup>2</sup>	
HORT A285	Introduction to Landscape Design	
HORT A290	Low-Voltage Landscape Lighting <sup>2</sup>	
HORT A297	Garden Pools, Fountains and Waterfalls in the Landscape	

Course	Title	Units
Elective courses generally offered in Spring (any course may only be completed once):		
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	
HORT A230	Calculations for Horticulture and Landscape Professionals	
HORT A283	Therapeutic Gardens: Design for Healing Spaces	
HORT A285	Introduction to Landscape Design	
HORT A286	Landscape Design Elements	
HORT A287	Planting Design	
HORT A288	Sprinkler Irrigation Systems Design	
HORT A289	Installation of Residential Irrigation Systems	
HORT A296	Grading and Drainage for Landscape Design	
Any OCC Business Course A100 or higher		
<b>Total Units</b>		<b>24</b>

<sup>1</sup> Transfer students should also take BIOL A183L Botany Lab.

## Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. **Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.**

Course	Title	Units
<b>Year 1</b>		
<b>Semester 1</b>		
BIOL A183 or HORT A105	Botany or Botany for Gardeners	3
HORT A109	Knowing Your Soils	3
HORT A181	Ornamental Trees	3
CERT RESTRICTED ELECTIVES- CHOOSE 3 UNITS (See Requirements)		3
<b>Units</b>		<b>12</b>
<b>Semester 2</b>		
HORT A182	Ornamental Shrubs	3
CERT RESTRICTED ELECTIVES- CHOOSE 9 UNITS (See Requirements)		9
<b>Units</b>		<b>12</b>
<b>Total Units</b>		<b>24</b>