



Horticulture, General Horticulture Certificate

This certificate provides the students with the essential knowledge and skills for entry-level employment in the Horticulture industry. Students gain core knowledge and skills in basic plant science, soil science, integrated pest management, and plant identification and use. Students then complete 2 advanced horticulture courses of their choice. This is the base certificate in a stackable series that leads to an additional certificate or degree in Horticulture.

Total Units: 18

First Year

Semester 1

3 Units

| COURSE | UNITS | PRE-REQS [^] | SEMESTERS OFFERED* |
|--------------------------------------------------------------|-------|-----------------------|--------------------|
| HORT 300 ^Z Introduction to Horticulture | 3 | | F, S |

^Z At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

Semester 2

9 Units

| COURSE | UNITS | PRE-REQS [^] | SEMESTERS OFFERED* |
|------------------------------------------------------------------------------------------|-------|-------------------------------------|--------------------|
| HORT 302 ¹ ^Z Soils, Soil Management, and Plant Nutrition | 3 | Advisory: HORT 300 & PLTS 300 | S |
| HORT 303 ² ^Z Integrated Pest Management | 3 | Advisory: HORT 300 & PLTS 300 | S |
| 3 units from List A | 3 | | See List A |

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¹ Also listed as PTLS 310.

² Also listed as PLTS 332. HORT 100 at ARC meets this course requirement.

Career

Options/Outlook:

Supervisors of Landscaping, Lawn Service, and Groundskeeping
Workers directly supervise and coordinate activities of workers engaged in landscaping or groundskeeping activities. Work may involve reviewing contracts to ascertain service, machine, and workforce requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates according to labor, material, and machine costs.

A sample of reported job titles:

Field Manager, Golf Course
Superintendent, Grounds Crew Supervisor, Grounds Foreman, Grounds Maintenance Supervisor, Grounds Manager, Grounds Supervisor, Groundskeeper Supervisor, Landscape Manager, Landscape Supervisor

Projected job openings in California (2020-2030):

2,550

Projected growth in California (2020-2030):

12% growth

Year 2

Semester 3

6 Units

| COURSE | UNITS | PRE-REQS [^] | SEMESTERS OFFERED* |
|--------|-------|-----------------------|--------------------|
|--------|-------|-----------------------|--------------------|

| COURSE | UNITS | PRE-REQS^ | SEMESTERS OFFERED* |
|---------------------------------------------------------------------------------------------|-------|-----------------------|-----------------------------------------------|
| HORT 305 ^Z Plant Identification-Fall Selections or | 3 | Advisory: HORT 300 | F(even year) |
| HORT 306 ^Z Plant Identification-Spring Selections or | 3 | Advisory: HORT 300 | S(even year, rotating between HORT 306 & 307) |
| HORT 307 ^Z Plant Identification - Sustainable and CA Native Selections | 3 | Advisory: HORT 300 | S(even year, rotating between HORT 306 & 307) |
| 3 units from List A | 3 | | See List A |

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^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

*(O) = online available (P) = partially online

List A-a minimum of 6 units from the following:

| COURSE | UNITS | PRE-REQS^ | SEMESTERS OFFERED* |
|------------------------------------------------------------------------------|-------|-----------------------------------------------------------------|-----------------------------------|
| HORT 105 ^Z Pest Control Licensing or Certification | 2 | Advisory: HORT 300, HORT 303, PLTS 300, or PLTS 332 | Check Class Schedule for offering |
| HORT 320 ^Z Sustainable Landscape Construction | 3 | Advisory: HORT 300 | S(odd year beginning S21) |
| HORT 324 ^Z Sustainable Landscape Maintenance | 3 | Advisory: HORT 300 | F |
| HORT 340 ¹ Landscape and Irrigation Graphics and Design | 3 | Advisory: HORT 300 | Check Class Schedule for offering |
| HORT 350 ^Z Landscape Irrigation | 3 | Advisory: HORT 300 & 340 | S(odd year beginning S21) |
| HORT 351 ^Z Drip and Subsurface Irrigation | 2 | Advisory: HORT 300, 340 & 350 | Check Class Schedule for offering |
| HORT 360 ^Z Introduction to Tree Care and Urban Forestry | 3 | Advisory: HORT 300 | F(odd year) |
| HORT 495 ^Z Independent Studies in Horticulture | 1-3 | | Check Class Schedule for offering |
| HORT 498 ^Z Work Experience in Horticulture | 0.5-4 | | F(O,P), S(O), Su(O) |

Median Salary in California (2021):

\$59,380/yr

Source:

<https://www.onetonline.org/link/summary/37-1012.00>

Transfer notes:

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

Program notes:

HORT 100 at American River College meets the HORT 303 course requirement.

Honors option:

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

About this program map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require

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¹ HORT 322 at ARC meets this course requirement.

students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.

Catalog Year: 2023-2024

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