



# Horticulture, Sustainable Landscape Design Certificate - Sustainable Landscape Design Certificate

The Certificate in Sustainable Landscape concentrates on courses that develop the knowledge, skills, and attitudes essential to developing, constructing, and maintaining functional and sustainable landscapes, green spaces, and irrigation systems. The program focuses on sound horticultural science and principles, plant identification, proper soil development and management, sustainable landscape and irrigation design, water conservation, sustainable construction and landscape and turf maintenance practices, integrated pest management, licensing and certification, and horticultural business practices.

**Total Units: 20.5-24**

## First Year

### Semester 1

**3 Units**

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>HORT 300</b> <b>Z</b> 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*
<b>HORT 302</b> <sup>1</sup> <b>Z</b> Soils, Soil Management, and Plant Nutrition	3	HORT 300 or PLTS 300	S
<b>HORT 303</b> <sup>2</sup> <b>Z</b> Integrated Pest Management	3	HORT 300	S
<b>HORT 350</b> <b>Z</b> Landscape Irrigation	3	HORT 300; Advisory: HORT 340	S(odd year)

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## 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

requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

<sup>1</sup> Also listed as PTLS 310.

<sup>2</sup> Also listed as PLTS 332.

## Year 2

### Semester 3

8.5-12 Units

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*
<b>HORT 305</b> <b>Z</b> Plant Identification-Fall Selections or	3	Advisory: HORT 300	F(even year)
<b>HORT 306</b> <b>Z</b> Plant Identification-Spring Selections or	3	Advisory: HORT 300	S(even year; rotating between HORT 306 & 307)
<b>HORT 307</b> <b>Z</b> Plant Identification - Sustainable and CA Native Selections	3	Advisory: HORT 300	S(even year; rotating between HORT 306 & 307)
<b>HORT 351</b> <b>Z</b> Drip and Subsurface Irrigation	2	HORT 300; Advisory: HORT 340	F(odd year)
<b>HORT 340</b> <b>Z</b> Landscape and Irrigation Graphics and Design	3	Advisory: HORT 300, 305, 306 or 307	F(even year)
<b>HORT 498</b> <b>Z</b> Work Experience in Horticulture	0.5-4		F(O,P), S(O), Su(O)

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<sup>^</sup>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

## California (2020-2030):

2,550

## Projected growth in California (2020-2030):

12% growth

## 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 requirement.

HORT 322 at American River College meets the HORT 340 requirement.

## About this program map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is 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 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.

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