



Horticulture, Sustainable Landscape Technology

A.S. Degree

The A.S. degree 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, turf maintenance practices, integrated pest management, licensing and certification, and horticultural business practices.

Total Units: 57.5-63

First Year

Semester 1

15-16 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
HORT 300 ^Z Introduction to Horticulture	3		F, S	CRC Area IV
CRC Area II(b)-Math Competency ^Z	3-4	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)
CRC Area II(a)-Written Communication ^Z	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
CRC Area V(a)-American Institutions ^Z	3		F, S, Su	CRC Area V(a)
CRC Area VI-Ethnic/Multicultural Studies ^Z	3		F, S, Su	CRC Area VI

^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

15 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
HORT 302¹ ^Z Soils, Soil Management, and Plant Nutrition	3	HORT 300 or PLTS 300	S	CRC Area IV
HORT 303² ^Z Integrated Pest Management	3	HORT 300	S	

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):

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
HORT 350 ^Z Landscape Irrigation	3	HORT 300; Advisory: HORT 340	S(odd year)	
HORT 320 ^Z Sustainable Landscape Construction	3	Advisory: HORT 300	S(odd year)	
CRC Area V(b)-Social & Behavioral Sciences ^Z	3		F, S, Su	CRC Area V(b)

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¹ Also listed as PTLs 310.

² Also listed as PLTS 332.

Year 2

Semester 3

16 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
HORT 305 ^Z Plant Identification-Fall Selections	3	Advisory: HORT 300	F(even year)	
HORT 351 ^Z Drip and Subsurface Irrigation	2	HORT 300; Advisory: HORT 340	F(odd year)	
HORT 105 ^Z Pest Control Licensing or Certification	2	HORT 300; Advisory: HORT 303/PLTS 332	F(odd year)	
HORT 324 ^Z Sustainable Landscape Maintenance	3	Advisory: HORT 300	F	
HORT 360 ^Z Introduction to Tree Care and Urban Forestry	3	Advisory: HORT 300	F(odd year)	
Elective ¹	3		F, S, Su	

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¹ Units required are determined by the number of units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

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.

General Education (GE):

Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

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 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.

This map also meets the requirements for

Semester 4

11.5-16 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
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)	
HORT 353 ^Z Sustainable Water Management	3	HORT 350; Advisory: HORT 300	S	
HORT 498 ^Z Work Experience in Horticulture	0.5-4		F(O,P), S(O), Su(O)	CRC Area III(b)
CRC Area III(a)- Physical Edu Activity ^Z	1		F, S, Su	CRC Area III(a)
CRC Area I- Humanities ^Z	3		F, S, Su	CRC Area I
Elective ¹	1-2		F, S, Su	

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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

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Certificate of Achievement in Sustainable Landscape Design,

Certificate of Achievement in Horticulture, Sustainable Landscape.

Students have a choice between HORT 320, HORT 324 or HORT 360 for this certificate.

Certificate of Proficiency in Sustainable Irrigation & Water Management Technology.

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.