

# ENVIRONMENTAL HORTICULTURE, ASSOCIATE OF SCIENCE (AS), LANDSCAPE DESIGN EMPHASIS

## Overview

The Environmental Horticulture Program teaches the basic skills and provides state-of-the-art information required to develop a strong foundation for a variety of career specialties within the landscaping, ornamental horticulture and the regenerative and restoration industry. The program encourages professional standards, a strong work ethic and environmentally sound management practices.

Horticulture industry professionals from throughout the community serve as members of the college's Environmental Horticulture Advisory Committee. These "hands-on" professionals provide guidance, expertise and leadership in enhancing the program's response to community and industry needs. They meet yearly with program staff members, college administrators and student representatives to review program goals and objectives. Course offerings and content have been determined through this participation and are geared to meet the needs of the landscape, ornamental horticulture and habitat management trades.

On the college's East Campus, practical lab classes utilize two outdoor classroom gardens, the SBCC Lifescape and Chumash Point Ethnobotanical Preserve. The gardens are also the site of the nursery/greenhouse unit. The Environmental Horticulture (EH) Program is designed to provide the student with the necessary skills at the apprentice level to begin work in a wide range of landscape trades. There are three vocational approaches within the Environmental Horticulture program: (1) the one-semester Skills Competency Award approach; (2) the Certificate of Achievement approach, where the certificate is awarded after the one-year (two-semester) format is successfully completed; and (3) the certificate can lead to any one of the four two-year A.S. Degree options in:

1. Landscape Contracting, C-27 License (satisfying one or more years of State requirements)
2. Environmental Landscape Design
3. Nursery & Greenhouse Technology
4. Ecological Restoration and Management

The program cannot guarantee job placement; however, many landscape industry employers, in search of energetic and skilled apprentices, contact the college to request referral of program graduates. The EH Program Skills Competency Award, EH Certificate and Certified Green Gardener, and Associate Degrees often provide expanding job opportunities.

## Requirements

### Associate Degree Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).

2. One of the following three General Education options:
  - a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (<https://catalog.sbccc.edu/degrees-certificates-awards/#associatedegree>) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
  - b. OPTION 2: IGETC (<https://catalog.sbccc.edu/transfer-curricula/#igetctext>) Pattern OR
  - c. OPTION 3: CSU GE Breadth (<https://catalog.sbccc.edu/transfer-curricula/#csugebtext>) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

Code	Title	Units
<b>Department Requirements</b>		
DRFT/EH 126	Landscape Drafting I	3
EH 101	Plant Identification And Culture	3
EH 103	Irrigation And Garden Waterworks	3
EH 104	Landscape Maintenance	3
EH 105	Landscape Construction	3
EH 109	Permaculture Design	5
EH 110	Introduction to Horticulture	3
EH 202	Residential Landscape Design	3
EH 290	Work Experience In Environmental Horticulture	2-4
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Complete 12 units of controlled electives selected from the following:		12
ART 101	Visual Literacy	
ART 103 or ART 103H	History of Art, Prehistoric to Gothic History of Art, Prehistoric to Gothic, Honors	
ART 104 or ART 104H	History of Art, Renaissance to Modern History Of Art, Renaissance To Modern, Honors	
DRFT 121	Architectural Drafting II	
DRFT/EH 127	Landscape Drafting II	
DRFT 130	Computer-Assisted Drafting And Design I	
ECON 101 or ECON 101H	Microeconomics Microeconomics, Honors	
EH 102	Soils And Plant Nutrients	
EH 201	Arboriculture	
EH 207	Small Scale Food Production	
EH 299	Independent Study In Environmental Horticulture	
ENT 204	Global Entrepreneurship	
ENVS 110	Humans And The Biological Environment	
ENVS/ERTH 115	Environmental Geology	

ERTH 141/ GEOG 101	Physical Geography
HIST/ENVS 112	American Environmental History
PHOT 109	Introduction to Photography
PSY 100 or PSY 100H	General Psychology General Psychology, Honors
PSY 120	Introduction To Psychology
<b>Total Units</b>	<b>42.00-46.00</b>

## Learning Outcomes

1. Identify common native and ornamental landscape plants.
2. Conduct a landscape assessment for ecological and economic sustainability.
3. Trouble-shoot pest, water, soil and location problems of landscape plants and plantings.
4. Provide recommendations for enhancing health of landscape trees, shrubs, other plants and soils.
5. Describe and implement both conventional and organic methods of landscape maintenance and care.
6. Design, plan and install basic irrigation systems.
7. Design, plan and install basic hardscape elements.
8. Utilize basic propagation methods to produce landscape plants.
9. Demonstrate a strong work and personal ethic through care of horticultural tools and facilities, and through care of personal health during horticultural practices.
10. Experience supervised, hands-on horticultural work.
11. Demonstrate proficiency in native plant ecology and restoration.
12. Demonstrate basic skills in landscape design.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (<https://www.sbccc.edu/counselingcenter/counselingappointments.php>).