

ENVIRONMENTAL HORTICULTURE, ASSOCIATE OF SCIENCE (AS), LANDSCAPE CONTRACTING C-27 LICENSE EMPHASIS

Overview

The A.S. Degree in Environmental Horticulture with an emphasis in Landscape Contracting, prepares the student for obtaining their landscape contractor's license (C-27) and becoming a professional landscape contractor.

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/#associateddegreeestext>) (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
Department Requirements		
EH 101	Plant Identification And Culture	3
EH 102	Soils And Plant Nutrients	3
EH 103	Irrigation And Garden Waterworks	3
EH 104	Landscape Maintenance	3
EH 105	Landscape Construction	3
EH 106	Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition	3
EH 110	Introduction to Horticulture	3
EH 201	Arboriculture	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
ACCT 110	Introduction to Accounting	
ART 101	Visual Literacy	
AUTO 101	Introduction to Auto Mechanics	
or AUTO 102	Basic Car Care, Maintenance and Repair	
DRFT 121	Architectural Drafting II	
DRFT/EH 126	Landscape Drafting I	
ECON 101	Microeconomics	
or ECON 101H	Microeconomics, Honors	
or ECON 102	Macroeconomics	
or ECON 102H	Macroeconomics, Honors	
EH 202	Residential Landscape Design	
EH 207	Small Scale Food Production	
EH 299	Independent Study In Environmental Horticulture	
ENT 204	Global Entrepreneurship	
ENVS/ERTH 115	Environmental Geology	
ERTH 141/ GEOG 101	Physical Geography	
FIN 100	Personal Finance	
MGMT 101	Introduction To Management	
MKT 101	Introduction to Marketing	
PSY 100		
or PSY 100H		
PSY 120	Introduction To Psychology	
SPAN 101	Beginning Spanish I	
SPAN 102	Beginning Spanish II	
Total Units		40.00-44.00

Learning Outcomes

1. Explain the soil ecosystem, its formation, structure, maintenance of its health, and relationship to landscape plant growth and vigor.
2. Communicate a functional landscape irrigation system, including plant's water needs, installation, scheduling, auditing, and troubleshooting.
3. Articulate principles of sustainable landscape design, including soil health maintenance, nutrient replenishment, water efficient irrigation systems, pest management, pruning, and human health and safety.
4. Describe the landscape construction process including safety procedures, grading and drainage, construction math, hardscaping, plan reading, bidding, and principles of sustainability.
5. Demonstrate on-the-job knowledge and skills in horticulture work experience positions, including implementation of all safety protocols and proper use of and care of both power and hand landscaping equipment.
6. Demonstrate landscape design skills including steps in the design process, schematic drawings, development of a plant palette, and integration of principles of sustainability, grading and drainage, hardscaping and irrigation systems.
7. Demonstrate skills in the making and use of pavers, concrete, wooden landscape structures and other hardscaping elements.

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.sbcc.edu/counselingcenter/counselingappointments.php>).