



# ENVIRONMENTAL HORTICULTURE

## Environmental Horticulture Certification

Landscape, operate greenhouses, and manage a horticultural business using skills in propagation, hydroponics, and plant identification

The Urban horticulture program hosts 6 greenhouses and a living library of plants for our students to study everything from tropical plants to aboriculture to nursery propagation. The curriculum includes on site experience through the Pickens greenhouses and hosted plant sales. The urban horticulture program will help students learn a variety of skills used in the industry, including the following:

- Manage greenhouse production
- Operate grounds maintenance equipment
- Irrigate lawns, trees, and plants
- Trim trees or other vegetation
- Implement basics of landscape design

### Suggested educational levels:

- English literacy (reading, writing, speaking, and listening)
- Understanding of basic algebra

### Suggested physical abilities:

- Capable of lifting 30 pounds
- Capable of sustained activity for 5 hours at a time

### Class Hours:

- Morning: 7:50am - 10:40am Mon.- Fri.
- Afternoon: 12:05pm - 2:55pm Mon.- Fri.
- Program is 2 semesters in length, with start dates in Fall.

## Tuition and Credit Hour Calculation

### Semester 1

\$1,918.00	<i>(Tuition)</i>
+ \$190.00	<i>(Credit Hour Fee)</i>
<hr/>	
\$2,108.00	

### Semester 2

\$1,918.00	<i>(Tuition)</i>
+ \$190.00	<i>(Credit Hour Fee)</i>
<hr/>	
\$2,108.00	

*Based on Colorado Resident In-State Tuition*

## Estimated Program Costs *(to be paid at Picken's payment office)*

### Tuition and Credit Hour Fees:

Semester 1: \$2,108.00  
 Semester 2: \$2,108.00

### Required On Campus Costs:

Program Charges: \$500.00 *(each semester)*  
 Student ID: \$10.00 *(each year)*  
 Proxy Disc: \$15.00 *(semester 1)*  
 CTSO Charge: \$20.00 *(each year)*

### Estimated Total:

**Environmental Horticulture Certificate: \$5,261.00 (+tax)**

## Additional Relevant Costs *(estimated)*

### Optional Costs:

**Landscape Management Certification Exam: \$45.00**

**Credits:  
28**

**Length:  
1 year**

**Cost:  
\$5,261**



Cost and information revised **March 2024**  
500 Airport Blvd., Aurora, CO 80011 • www.pickenstech.org • (303)344-4910

# ENVIRONMENTAL HORTICULTURE

## Courses required for this certificate: Semester 1

**HLT 1101 Introduction to Horticulture** 4  
Introduces the biology of horticultural plants, and basic horticultural practices.

**HLT 1050 Irrigation I** 3  
Introduces students to relevant irrigation components and their use, installation and maintenance.

**HLT 1030 Landscape Design I** 3  
Introduces students to the basics of graphic communications used in landscape design and construction. Students learn the proper use of graphic tools and materials to manually produce site analyses, concept plan, preliminary plan, planting plan, and master plan documents in both plan and perspective views.

**HLT 2140 Introductory Soil Science** 4  
Discusses the formation, physical properties, chemical properties and management of soils emphasizing conditions that affect plant growth. The principles of soil fertility and practice of fertilizer use is also discussed.

## Courses required for this certificate: Semester 2

**HLT 1016 Green Industry Equipment** 2  
Introduces students to the basic concepts of maintenance, care and repairing equipment associated with the Green Industry. This instruction is designed to cover the knowledge and skills required of employees and employers in many areas of the landscape occupations such as lawn maintenance industry, landscaping and nurseries.

**HLT 1060 Greenhouse Management** 4  
Discusses greenhouse design, systems, management, and the major greenhouse crops and their cultural needs. This class trains for industry certification.

**HLT 2102 Plant Health Care** 4

**HLT 2062 Urban Farm Management** 4  
Teaches the principles of crop selection, site management, harvesting and handling of vegetable and fruit crops in an intensive urban farm setting.

## ENVIRONMENTAL HORTICULTURE CERTIFICATE

**Certificate Total:** Clock Hours: 630 Credit Hours: 28

**Certificate Length:** 2 semesters

Additional costs may apply. All books, kits & supply costs are estimated. Cost, information, and classes are subject to change. Statistics present are based on the US Bureau of Labor Statistics. This certificate is eligible for Financial Aid. You may begin the Financial Aid process by completing your Free Application for Federal Aid (FAFSA) at [www.FAFSA.ed.gov](http://www.FAFSA.ed.gov). If you have further questions, please call (303)344-4910.