

ENVIRONMENTAL HORTICULTURE

Combine plant science with hands-on skills associated with landscape design, irrigation, greenhouse management, plant care, identification, and urban farming. Students gain valuable on-site experience working in greenhouses and conservatories. Students participate in community plant sales.

**greenhouse production | interior plants | landscape design
plant health care | vegetable production**

Suggested Abilities

- ▶ 8th grade English reading, writing, speaking, and listening
- ▶ Understand basic algebra
- ▶ Lift 30 pounds
- ▶ Sustained activity for 5 hours at a time

Prerequisites

- ▶ *High School Students: Meet with counselor for eligibility requirements*

Class Hours

- ▶ Morning: 8:40am - 11:30am, Mon. - Fri.
- ▶ Afternoon: 12:10pm - 3:00pm, Mon. - Fri.

SEMESTER 1

HLT 1101 Introduction to Horticulture

4 credits

Introduces the biology, anatomy, and physiology of horticultural plants, and basic horticultural practices.

HLT 1050 Irrigation I

3 credits

Introduces students to relevant irrigation components and their use, installation and maintenance.

HLT 1030 Landscape Design I

3 credits

Introduces basic graphic communications for landscape design, teaching manual use of tools to create site analyses, concept, preliminary, planting, and use of software programs to create landscape design.

HLT 2140 Introductory Soil Science

4 credits

Covers soil formation, physical and chemical properties, fertility principles, fertilizer practices, and management strategies affecting plant growth.

SEMESTER 2

HLT 2026 Interior Plants

2 credits

Teaches the identification, usage, and culture of interior plants common to indoor environments. Explores soil media, fertilizers, environmental conditions, common pests/diseases and their control. Includes industry production and business practices

HLT 1060 Greenhouse Management

4 credits

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 credits

Introduces the fundamental concepts of integrated pest management and plant health care. Teaches students to diagnose pest and disease problems and formulate site-specific prevention and control strategies.

HLT 2062 Urban Farm Management

4 credits

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

1 Year

28 Credit Hours



Information Revised MAR '26. Information subject to change. Course listings have been paraphrased on this flyer, or full course info please see Pickens Catalog. This certificate is eligible for Financial Aid. If you have further questions, please call (303)344-4910.