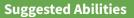
# **ENVIRONMENTAL HORTICULTURE**

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



- 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: 7:50am 10:40am, Mon. Fri.
- Afternoon: 12:05pm 2:55pm, 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 1016 Green Industry Equipment**

#### 2 credits

Introduces basic maintenance, care, and repair of Green Industry equipment, teaching essential knowledge and skills for landscape occupations including lawn maintenance, landscaping, and nursery work.

# **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

