



## Sustainable Agriculture (Certificate)

**Program Start Date:** Fall, Spring or Summer term

**Minimum Program Length:** 42 academic weeks; 3 terms; 31 credits

**Curriculum Code:**

### Program Description

This program will explore the broad field of sustainable agriculture, agribusiness and food systems.

### Practical Experience

Students participate in special projects utilizing the College's sustainable agriculture garden and adjacent horticulture grounds in the arboretum for both observation and study.

### Professional Opportunities

Graduates may find employment in the Agribusiness industry.

### Unique Aspects

This certificate is designed for individuals already employed or interested in the promotion of agronomic crops in a sustainable environment. It will prepare students for jobs in the agribusiness and food systems industry. Students will learn the ecological, biological, environmental and economic impact of growing food such as fruits and vegetables sustainably. The program is designed to strengthen our local environment, food systems and economy by providing educated and skilled employees. Students may enroll fall, spring or summer term. Credits earned may be applied to the horticulture associate degree (see note below).

### EEDA Career Cluster:

Agriculture, Food & Natural Resources; Architecture & Construction

### Course Requirements

Credits	Course Title	Course Code
1	College Orientation	COL 101*
4	Landscape Plant Materials	HRT 105
3	Commercial Irrigation	HRT 121
4	Horticulture Pest Control	HRT 141
3	Sustainability in Horticulture	HRT 169
4	Soils	HRT 125
3	Plant Propagation	HRT 139
3	Intro to Sustainable Agriculture	AGR 201
3	Introduction to Permaculture	AGR 220
3	Farm to Markets	AGR 222
<b>31</b>	<b>TOTAL CREDITS</b>	

\*Or COL 103 *College Skills*.

*NOTE: Students who place into two or more developmental areas are required to take COL 103 in place of COL 101.*



### Semester Display

#### First Semester

Course Code	Course Title	Credit Hours
COL 101	College Orientation	1
HRT 105	Landscape Plant Materials	4
HRT 141	Horticulture Pest Control	4
HRT 121	Commercial Irrigation	3

#### Second Semester

Course Code	Course Title	Credit Hours
HRT 125	Soils	4
HRT 139	Plant Propagation	3
HRT 169	Sustainability in Horticulture	3

#### Third Semester

Course Code	Course Title	Credit Hours
AGR 201	Introduction to Sustainable Agriculture	3
AGR 220	Introduction to Permaculture	3
AGR 222	Farm to Markets	3

**Total Credits 31**

### Program Learning Outcomes

Students will be able to:

1. Describe various job options in the agribusiness and food systems industry.
2. Design and maintain a diverse agriculture garden.
3. Produce crops and plants in a sustainable environment.
4. Employ appropriate business management skills used in the sustainable agriculture industry.