



## Horticulture Technology (Associate Degree in Applied Science)

**Program Start Date:** Fall or spring term

**Minimum Program Length:** 64 academic weeks; 4 terms; 70 credits

**Curriculum Code:** 35402

### Program Description

Horticulture technology students study applied plant science emphasizing plant production and use. Students are trained in landscaping, nursery and garden center operations, greenhouse management, and horticulture support operations.

### Practical Experience

Students participate in indoor and outdoor labs, greenhouse and nursery operations and the establishment and maintenance of ornamental gardens on the College's campus. In addition, students participate in horticultural work projects and field trips to horticulture sites within the region. Students receive training for the landscaping industry, nursery and garden center operations, and greenhouse management, as well as supporting horticulture supply businesses.

### Professional Opportunities

Graduates may find employment in nursery operations, landscape management, grounds maintenance, landscape installation, parks and forestry services, urban forestry, retail plant sales, garden center management, greenhouse operation and horticulture supply businesses, and similar fields.

### Unique Aspects

Each year, numerous horticulture technology program students complete internships with various companies, including Walt Disney World, Callaway Gardens and Biltmore House and Gardens.

### EEDA Career Cluster:

Agriculture, Food & Natural Resources; Architecture & Construction

### Course Requirements

Credits	Course Title	Course Code
1	College Orientation	COL 101*
3	Mathematics General Education Course	MAT 155 or MAT 110
3	Social/Behavioral Sciences General Education Course	ANT 101, ECO 201, 210, 211, GEO 101, 102, HIS 101, 102, 104, 105, 112, 115, 201, 202, HSS 205, PSC 201, 215, 220, PSY 103, 201, 203, 212, 214, SOC 101, 102, 205
3	English Composition I	ENG 101
3	Humanities/Fine Arts General Education Course	ART 101, 107, 108, ENG 102, 201, 202, 205, 206, 208, 209, 228, 235, 236, 238, FRE 102, GER 102, HSS 101, MUS 105, PHI 101, 110, REL 101, 104, 105, 201, SPA 102, 201, 202, 213, SPC 212, THE 101, 105
3	Public Speaking	SPC 205
4	Landscape Plant Materials	HRT 105
4	Plant Form and Function	HRT 110
4	Soils	HRT 125



<b>Credits</b>	<b>Course Title</b>	<b>Course Code</b>
4	Horticulture Pest Control	HRT 141
3	Landscape Design & Implementation	HRT 104
2	Annuals and Perennials	HRT 108
3	Nursery Operations	HRT 132
3	Plant Propagation	HRT 139
3	Sustainability in Horticulture	HRT 169
3	Horticulture Business Management	HRT 200
3	Commercial Irrigation	HRT 121
4	Greenhouse Technology	HRT 230
3	Turf Management	HRT 241
4	Landscape Installation	HRT 253
3	Urban Tree Care	HRT 255
4	Landscape Management	HRT 256
<b>70</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.*

Notes: Any student who changes their program from the Landscape Management Certificate or the Palmetto Professional Landscape Certificate to the Horticulture Technology Associate Degree in Applied Science program must make up the lab credits through a process designated by the Department Chair.

**Semester Display**

**First Semester**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
MAT 155 or	Contemporary Mathematics	
MAT 110	College Algebra	3
COL 101	College Orientation	1
HRT 110	Plant Form & Function	4
HRT 105	Landscape Plant Materials	4
HRT 108	Annuals and Perennials	2
HRT 141	Horticulture Pest Control	4

**Second Semester**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
ENG 101	English Composition I	3
HRT 125	Soils	4
HRT 139	Plant Propagation	3
HRT 104	Landscape Design & Implementation	3
HRT 169	Sustainability in Horticulture	3



Third Semester

Course Code	Course Title	Credit Hours
	Social/Behavioral Sciences General Education Course	3
HRT 200	Horticulture Business Management	3
HRT 121	Commercial Irrigation	3
HRT 225	Urban Tree Care	3
HRT 132	Nursery	3
HRT 241	Turf Management	3

Fourth Semester

Course Code	Course Title	Credit Hours
	Humanities/Fine Arts General Education Course	3
SPC 205	Public Speaking	3
HRT 253	Landscape Installation	4
HRT 256	Landscape Management	4
HRT 230	Greenhouse Technology	4
<b>Total Credits</b>		<b>70</b>

**Program Learning Outcomes**

Students will be able to:

1. Demonstrate their ability to speak publicly, listen actively and respond effectively.
2. Develop and maintain a diverse horticulture landscape.
3. Practice professionalism in horticulture applications.
4. Produce plants in commercial horticulture settings.
5. Employ appropriate business management skills used in the horticulture industry.