

# Horticulture Technology

## Associate of Applied Science

**Program Coordinator:** Ben Casteel • OTC 206 • 276-739-2441

**Length:** Four semesters (two years)

**Purpose:** The Horticulture Industry is one of the fastest growing industries in the VHCC service region. The Horticulture program is designed to prepare students for employment in the horticulture industry or a related field and to provide training for those who are currently working in the field and wish to improve their knowledge and skills. Students will not only develop skills in crop production, but also interpersonal and business management skills.

**Occupational Objectives:** Graduates of the program are prepared for managerial/supervisory level positions in areas that include landscape design and installation, grounds maintenance, turf grass maintenance, floral designer, greenhouse and nursery management, garden center operation, and sales and marketing and related industries.

**Program Requirements:** The curriculum is designed to integrate courses in nursery management, greenhouse management, turf management and related areas, general education, and electives. Students are advised to follow the curriculum as outlined in the College catalog and consult with their faculty advisor or counselor in planning their programs and selecting electives. A program-specific SDV 101 section that is taught by the program coordinator is available, and students are strongly encouraged to enroll in this section during the first semester. Students planning to transfer should explore opportunities with their faculty advisor or counselor. Upon satisfactory completion of the four-semester curriculum, the student will be awarded an Associate of Applied Science Degree in Horticulture Technology.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Fall)</b>				
HRT 100	Intro. to Horticulture	2	2	3
HRT 205	Soils	2	2	3
HRT 246	Herbaceous Plants	2	2	3
ENG 111 or ENG 115	College Composition I or Technical Writing	3	0	3
HRT 207	Plant Pest Management*	2	2	3
SDV 101	Orientation to College Success	1	0	1
<b>Total</b>		<b>12</b>	<b>8</b>	<b>16</b>
<b>Second Semester (Spring)</b>				
HRT 245	Woody Plants	2	2	3
HRT 134 or HRT 269	Four Seasons Food Production or Professional Turf Care	2	2	3
HRT 295	Topics in Forest Farming	2	2	3
HRT 231 or HRT 228	Planting Design I* or Turfgrass Management I	2	2	3
EEE	Humanities Elective	3	0	3
<b>Total</b>		<b>11</b>	<b>8</b>	<b>15</b>
<b>Summer Semester</b>				
HRT 197 or 297	Cooperative Education	0	45	3
PED	Physical Education	0	2	1
<b>Total</b>		<b>0</b>	<b>47</b>	<b>4</b>

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>Third Semester (Fall)</b>				
HRT 259	Arboriculture*	2	2	3
EEE	Social Science Elective	3	0	3
HRT 247 or BIO 215	Indoor Plants or Plant Life of Virginia	2	2	3
BIO 101	General Biology I	3	3	4
MTH 132	Business Mathematics	3	0	3
<b>Total</b>		<b>13</b>	<b>7</b>	<b>16</b>
<b>Fourth Semester (Spring)</b>				
CST 100	Public Speaking	3	0	3
HRT 115 or HRT 227	Plant Propagation or Professional Landscape Management	2	2	3
HRT 275	Landscape Construction and Maintenance *	2	2	3
EEE	Social Science Elective	3	0	3
HRT 226	Greenhouse Management	2	2	3
<b>Total</b>		<b>12</b>	<b>6</b>	<b>15</b>
<b>Total Minimum Credits for AAS Degree</b>				<b>66</b>

\*Denotes a course with an industry-recognized credential.

Students are urged to follow the default pathways for this degree when making elective selections.

- [Horticulture Technology \(AAS\)](#)
- [Horticulture Technology - Specialization in Business and Entrepreneurship \(AAS\)](#)

Additional approved humanities and social science electives are listed at <http://www.vhcc.edu/GenEdCore>.