

Area of Study: Career and Technical
Pathway: Horticulture
Degree type: Associate in Applied Science
Curriculum Code: HRT.HRT.AAS (C201A)

(Total Program Credits: 60)

The Horticulture program is designed to provide students with the necessary skills to acquire entry-level positions in all fields of Horticulture and related industries, as well as skills for advancement in their career field, self-employment and transfer into a four-year curriculum. Industry fields include landscape design, landscape and grounds maintenance, greenhouse and garden center management and sustainable horticulture. Students also will develop skills for lifelong learning. Program includes an AAS degree in Horticulture and Sustainable Agriculture Technology and a certificate program in Grounds Maintenance.

PROGRAM LEARNING OUTCOMES:

At the successful completion of the Horticulture Associate in Applied Science Degree program, the graduate will be able to:

- describe the interrelationships of people, society and plants;
- demonstrate how plants reproduce by pollinating a flower;
- develop a power point showing how plants adapt to changing environmental conditions;
- identify the cultural requirements of plants;
- integrate appropriate landscape design principles onto landscape projects; and
- develop a functional plan for a horticulture business. (Fall 2020)

Placement Measures MAT, RHT, and COL sequence placement will be determined by an Academic Advisor. Contact your Academic Advisor or Transfer Specialist (if transferring), before registering for courses. *Developmental education courses do not transfer. They assist students in the path towards college credit.*

Program Map for Full-Time Students

Semester 1: Fall	Category	Stackable Certificate	Stackable Certificate	Stackable Certificate	Next Steps
		Grounds Maintenance	Pesticide Applicator	Greenhouse Grow Operations	
HRT 100 Introduction to Horticulture (4)	<i>Required</i>	✓			Meet with your Academic Advisor to create an academic plan. Pesticide Certificate Complete
HRT 127 Entomology: Insects, People and Plants (3)	<i>Required</i>	✓	☐	☐	
HRT 128 Plant Pathology (3)	<i>Required</i>	✓	☐	☐	
HRT 145 Deciduous Plant Identification (3)	<i>Required</i>				
RHT 101 Freshman Rhetoric & Composition I (3)	<i>Communication</i>				

16 Credit Hours

Note: Grade of "C" or higher is an IAI requirement for RHT 101 and RHT 102.

Semester 2: Spring Semester	Category	Stackable Certificate	Stackable Certificate	Stackable Certificate	Next Steps
		Ground Maintenance	Pesticide Applicator	Greenhouse Grow Operations	
HRT 125 Plants and Society (4)	Required/also a Math or Science	✓		✓	Meet with your Academic Advisor to update your academic and transfer plan. Greenhouse Certificate Complete
HRT 126 Plant Propagation/Greenhouse Operations (3)	<i>Required</i>	✓		✓	
HRT 135 Soils and Fertilizers (3)	<i>Required</i>	✓		✓	
HRT 225 Evergreens, Vines, Groundcovers (3) or HRT 261 Herbaceous Ornamental Plants (3)	<i>Required</i>	✓			
SPE 101 Principles of Effective Speaking (3)	<i>Communication</i>				

16 Credit Hours

RHT 1010, SPE 1010: Students must complete RHT 1010 with SPE 1010, or RHT 1010 with RHT 1020. Students intending to transfer are encouraged to complete all three courses: RHT 1010, RHT 1020 and SPE 1010 to meet university requirements.

Semester 3: Fall Semester	Category	Stackable Certificate	Stackable Certificate	Stackable Certificate	Next Steps
		Grounds Maintenance	Pesticide Applicator	Greenhouse Grow Operations	
BIS 105 Environmental Biology (4)	<i>Science</i>				Meet with your Academic Advisor to update your academic (and transfer plan, if intending to transfer). Attend a Ready to Apply Workshop .
HUM 104 Humanities Through the Arts (3) Or HUM 165 Latin American Experience (3)	<i>Humanities or Fine Arts/Human Diversity</i>				
HRT 154 Internship (3)	<i>Required</i>				
HRT 240 Landscape Design (4)	<i>Required</i>				

14 Credit Hours

Semester 4: Spring Semester	Category	Stackable Certificate	Stackable Certificate	Stackable Certificate	Next Steps
		Grounds Maintenance	Pesticide Applicator	Greenhouse Grow Operations	
					Meet with your Academic Advisor to

ECO 103 Microeconomics (3)	<i>Social and Behavioral Sciences</i>				finalize your transfer plan and apply to your transfer institution(s) if intending to transfer. Submit graduation petition by deadline (check for the specific date in catalog or syllabi.) Grounds Maintenance Certificate Complete
HRT 140 Landscape Construction and Maintenance (4)	<i>Required</i>	✓			
HRT 285 Turf and Lawn Management (3)	<i>Required</i>	✓			
HRT 295 Landscape CAD and Graphics (4)	<i>Required</i>				

14 Credit Hours

Graduation requirements:

Total semester hours required in <i>general education</i> toward the AAS Degree	15
Total semester hours for program <i>required courses, program specific electives and other electives</i> toward the AAS Degree in Horticulture	45
Minimum total semester hours required for the AAS Degree	60

General Education requirements:

- Communications:** Two courses (six semester hours). Department choice of RHT 101 and RHT 102 or RHT 101 with SPE 101. If transferring, it is suggested to take all three courses.
- Social and Behavioral Sciences or Humanities or Fine Arts:** Two courses (six semester hours) are required for graduation; department choice whether courses are taken from each discipline or two courses from same discipline, to include one approved [Human Diversity](#) course.

Mathematics or Physical or Life Science: One course (three semester hours); review specific program requirements for your selected curriculum.

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