

Horticultural Sciences, AAS

The 61-credit hour horticultural sciences AAS degree program is designed to prepare students with the knowledge and skills for a successful career in the horticulture industry. The curriculum is designed to prepare students for entry or management positions in the rapidly advancing, diverse horticultural industry. The coursework, in addition to providing a solid science foundation for propagation, production, and managing plants, also provides students with an invaluable hands-on learning experience, both in controlled environments and the field. The curriculum emphasizes best management practices including integrated pest management, that will conserve and protect our irreplaceable natural resources. Upon completion of the associate of applied science degree, students will possess the knowledge and skills to be successful at entry-level or higher positions in most specializations within Horticulture, including crop production, nursery management, landscape maintenance, golf course management, private and public gardens management, garden center operations, wholesale greenhouse growing, greenhouse operations, landscape design and maintenance, certified commercial pesticide application, arborist, plant science technicians, and other related occupations.

(Major Code 2150; CIP Code 01.0601)

Horticultural Sciences Program web page (<http://www.jccc.edu/academics/credit/horticultural-sciences/>)

Associate of Applied Science

Fall Semester

Code	Title	Hours
HORT 140	Turfgrass I	3
HORT 201	Introduction to Horticultural Science	4
HORT 214	Woody Plants, Deciduous	3
HORT 220	Herbaceous Plants	3
HORT 235	Landscape Maintenance and Techniques	3
Total Hours		16

Spring Semester

Code	Title	Hours
Program Elective (see below)		3
HORT 205	Plant Propagation*	3
HORT 215	Woody Plants, Evergreens	3
HORT 225	Plant Problems*	3
HORT 255	Pest Management	3
Total Hours		15

Summer Semester

Code	Title	Hours
HORT 160	Garden Center Operations	3
Total Hours		3

Fall Semester

Code	Title	Hours
Program Elective (see below)		6
ENGL 121	Composition I*	3
Science Elective ^		3
Note: BIOL 125 is recommended		
Social and Behavioral and Sciences Elective ^		3
Total Hours		15

Spring Semester

Code	Title	Hours
Program Elective (see below)		3
HORT 270	Horticulture Internship*	3

MATH 116	Intermediate Algebra* (or higher)	3
Humanities ^		3
Total Hours		12

Total Program Hours: 61

Program Electives

Code	Title	Hours
HORT 115	Home Horticulture	2
HORT 135	Landscape Design	3
HORT 150	Fruits, Vegetables and Herb Crops	2
HORT 165	Arboriculture	3
HORT 240	Turfgrass II*	3
HORT 260	Horticulture Soils	3
HORT 265	Landscape Construction	3

* This course has registration requirements.
^ See all AAS general education electives (<https://catalog.jccc.edu/archives/2024-25/degree requirements/associate-applied-science/>).