

# Horticultural Sciences, AAS

The horticulture degree program is designed to prepare students with the knowledge and job skills for employment in the greening industry. Upon completion of the associate of applied science degree, students will possess the competencies to be successful at entry-level or higher positions in landscape design and maintenance, greenhouse operations, chemical applicator lawn care, park attendants, plant science technicians, groundskeepers, landscape technicians, irrigation technicians and other related occupations.

(Horticultural Sciences - Major Code 2150; State CIP Code 01.0601 and Business Plan - Major Code 4810; State CIP Code 52.0710)

- Horticultural Sciences (<http://www.jccc.edu/academics/agriculture/horticultural-sciences>)

## Associate of Applied Science

### First Semester

HORT 201	Introduction to Horticultural Science	4
HORT 214	Woody Plants I, Deciduous	3
BIOL 125	General Botany	5
HORT 220	Herbaceous Plants	3
ENGL 121	Composition I*	3
<b>Total Hours</b>		<b>18</b>

### Second Semester

HORT 205	Plant Propagation*	3
HORT 215	Woody Plants II, Evergreens	3
HORT 260	Horticulture Soils	3
MATH 116	Intermediate Algebra* (or higher)	3
Social Science/Economics Elective ^		3
Health and/or Physical Education Elective ^		1
<b>Total Hours</b>		<b>16</b>

^ See all AAS general education electives (<http://catalog.jccc.edu/degree/requirements/associate-applied-science>)

### Third Semester

Electives (see below)		6-8
HORT 140	Turfgrass I	3
HORT 235	Landscape Maintenance and Techniques	3
Humanities/Art Elective ^		3
<b>Total Hours</b>		<b>15-17</b>

^ See all AAS general education electives (<http://catalog.jccc.edu/degree/requirements/associate-applied-science>)

### Fourth Semester

Horticulture Electives (see below)		6-8
HORT 160	Garden Center Operations	3
HORT 225	Plant Problems*	3
HORT 270	Horticulture Internship*	3
<b>Total Hours</b>		<b>15-17</b>

### Horticulture Electives

HORT 135	Landscape Design	3
HORT 150	Fruits, Vegetables and Herb Crops	2
HORT 165	Arboriculture	3
HORT 240	Turfgrass II*	3
HORT 255	Pest Control Management	3

HORT 265	Landscape Construction	3
FLR 130	Principles of Traditional Design	3
FLR 150	Contemporary Design Styles	3

## List of Electives

BUS 140	Principles of Supervision	3
BUS 150	Business Communications*	3
FL 130	Elementary Spanish I	5
BIOL 121	Introductory Biology for Non-Majors	4
CHEM 122	Principles of Chemistry*	5
HORT 150	Fruits, Vegetables and Herb Crops	2

## Additional Certificate

Business Plan Certificate	This certificate is designed for students who are interested in opening their own service business providing administrative assistance to businesses. Coursework focuses on fundamental knowledge necessary to own and operate an entrepreneurial venture, evaluating the feasibility of the business idea, and concludes with writing a business plan to start, grow and sustain a business venture. The business plan certificate is recommended for students to add to their Horticultural Sciences degree. (see below)	7
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<sup>^</sup> Business Plan Certificate (<http://catalog.jccc.edu/degreecertificates/entrepreneurship/business-plan-certificate>)

**Total Program Hours: 64-75**