

## HORTICULTURE

### Program Overview

MCC's Horticulture Program provides high-quality educational opportunities for students in the areas of landscape design and management, turf management, gardening, greenhouse crop production, fruit and vegetable crop production, interiorscaping and floral design.

Growing and caring for vegetables, fruits, flowers, turf, and ornamental trees and shrubs is a rapidly growing, multimillion dollar industry in Illinois. With increasing urbanization, demand is expected to continue for well-trained workers at all levels.

MCC prepares students for the growing industry through an AAS degree in horticulture with specialties in floral design, greenhouse, landscape, and urban agriculture. Certificates are available in floral design, gardening, greenhouse, landscape management, and turf and golf course management.

Students come away with a solid knowledge of plant production and maintenance, ready for positions in flower shops, greenhouses, garden centers, golf courses, parks, nurseries, turf and landscape businesses, interiorscape maintenance companies, fruit and vegetable production operations, and the seed and supply industry.

The AAS degree requires an internship that gives students insight into the day-to-day operations of running a flower shop, landscape design or other horticulture business.

For more information, visit: [www.mchenry.edu/horticulture](http://www.mchenry.edu/horticulture)

**The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.**

### Requirements for the Associate in Applied Science (AAS) in Horticulture

Curriculum: OCC 180	Credit Hours		
<b>General Education Core</b>			
<b>Communications</b> 2 courses ENG 105 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
<b>Humanities &amp; Fine Arts, Social &amp; Behavioral Sciences</b> Select 1 course from Humanities & Fine Arts <b>and</b> 1 course from Social & Behavioral Sciences	6	<b>Humanities &amp; Fine Arts</b> <i>Select 1 course from the following prefixes or course numbers:</i> ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-218) PHI	<b>Humanities &amp; Fine Arts cont'd.</b> (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE  <b>Social &amp; Behavioral Sciences</b> <i>Select 1 course from the following prefixes or course numbers:</i> ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
<b>Mathematics, Physical or Life Sciences, Technology</b> Select 1 course from Physical or Life Sciences	4	<b>Physical or Life Sciences</b> (4) HRT 103 Intro to Plant Science	

<b>Program Core</b>	23	(4) CHM 164 Introductory Chemistry or (4) CHM 115 Chemistry and Society or (4) EAS 120 Intro. to Meteorology or (4) GEL105 Physical Geology	(3) HRT 100 Intro to Horticulture (4) HRT 105 Intro to Soil Science (3) HRT 150 Plant Problem Diagnosis & Management (3) HRT 250 Horticulture Internship (3) HRT 251 Integrated Pest Management (3) MGT 210 Human Resources Management
<b>Program Electives</b>	3	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship	(3) BUS 162 Entrepreneurship Business and Planning (3) HRT 222 Flower Shop Management
<b>Please select one of the following options: Floral Design Specialty, Greenhouse Specialty, Landscape Specialty or Urban Agriculture Specialty</b> <b>NOTE:</b> Students must select a minimum of 6 courses or 18 credit hours. Of these, 4 courses or 12 credit hours must be within one specialty grouping listed below; the remaining 6 credit hours may be chosen from the same or another specialty.			
<b>Floral Design Specialty Option</b>	12	(3) HRT 120 Basic Floral Design (3) HRT 125 Intermediate Floral Design (3) HRT 130 Fall Greenhouse Production (3) HRT 221 Advanced Floral Design	(3) HRT 222 Flower Shop Management (3) HRT 229 Silk & Dried Floral Design (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
<b>Greenhouse Specialty Option</b>	12	(3) HRT 112 Horticulture Mechanics (3) HRT 120 Basic Floral Design (3) HRT 130 Fall Greenhouse Production (3) HRT 159 Landscape Perennials	(3) HRT 222 Flower Shop Management (3) HRT 231 Spring Greenhouse Production (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
<b>Landscape Specialty Option</b>	12	(3) ART 153 2D Design (3) ART 156 Drawing I (3) AET 151 Computer Aided Design Graphics I (3) HRT 112 Horticultural Mechanics (3) HRT 159 Landscape Perennials (3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 161 Landscape Design	(3) HRT 181 Turf & Lawn Management (3) HRT 264 Arboriculture (3) HRT 265 Landscape CAD (3) HRT 266 Landscape Construction (3) HRT 282 Golf Course & Sports Turf Management (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
<b>Urban Agriculture Specialty Option</b>	12	(3) HRT 112 Horticultural Mechanics (3) HRT 135 Fruit and Vegetable Crops (3) HRT 203 Introduction to Hydroponics (3) HRT 205 Organic and Sustainable Practices	(3) HRT 231 Spring Greenhouse Production (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
<b>Specialty Option Electives</b>	6	See above choices within specialties	
<b>Total Degree Credits</b>	60		

### Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

### Requirements for the Floral Design Certificate

Curriculum: OCC 185	Credit Hours		
<b>Program Core</b>	15	(3) HRT 120 Basic Floral Design (3) HRT 125 Intermediate Floral Design (3) HRT 221 Advanced Floral Design	(3) HRT 222 Flower Shop Management (3) HRT 229 Silk & Dried Floral Design
<b>Program Electives</b> 6 credit hours	6	(3) ART 253 3D Design (3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture	(4) HRT 103 Intro to Plant Science (3) HRT 130 Fall Greenhouse Production (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) MKT 130 Professional Selling (3) SPA 101 Occupational Spanish I
<b>Total Certificate Credits</b>	21		

For more information, visit: [www.mchenry.edu/floraldesign](http://www.mchenry.edu/floraldesign)

## Requirements for the Gardening Certificate

Curriculum: OCC 182	Credit Hours		
<b>Program Core</b>	17	(4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science (3) HRT 135 Fruit and Vegetable Crops (3) HRT 150 Plant Problem Diagnosis & Management	(3) HRT 299 Horticulture Independent Study (Master Gardener Training) <b>or</b> (3) HRT 100 Intro to Horticulture
<b>Program Electives</b> 3 credit hours	3	(3) HRT 130 Fall Greenhouse Production (3) HRT 159 Landscape Perennials (3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 181 Turf & Lawn Management	(3) HRT 231 Spring Greenhouse Production (3) HRT 251 Integrated Pest Management (3) HRT 264 Arboriculture (3) HRT 290 Topics & Issues in Horticulture
<b>Total Certificate Credits</b>	20		

For more information, visit: [www.mchenry.edu/gardening](http://www.mchenry.edu/gardening)

## Requirements for the Greenhouse Certificate

Curriculum: OCC 181	Credit Hours		
<b>Program Core</b>	22	(4) HRT 103 Plant Science (3) HRT 112 Horticulture Mechanics (3) HRT 130 Fall Greenhouse Production (3) HRT 150 Plant Problem Diagnosis & Management	(3) HRT 159 Landscape Perennials (3) HRT 231 Spring Greenhouse Production (3) HRT 251 Integrated Pest Management
<b>Program Electives</b> 6 credit hours	6	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture (4) HRT 105 Intro to Soil Science (3) HRT 120 Basic Floral Design	(3) HRT 125 Intermediate Floral Design (3) HRT 203 Introduction to Hydroponics (3) HRT 221 Advanced Floral Design (3) HRT 222 Flower Shop Management (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) SPA 101 Occupational Spanish I
<b>Total Certificate Credits</b>	28		

For more information, visit: [www.mchenry.edu/greenhouse](http://www.mchenry.edu/greenhouse)

## Requirements for the Landscape Management Certificate

Curriculum: OCC 184	Credit Hours		
<b>Program Core</b>	32	(4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science (3) HRT 150 Plant Problem Diagnosis & Management (3) HRT 159 Landscape Perennials	(3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 161 Landscape Design (3) HRT 181 Turf & Lawn Management (3) HRT 251 Integrated Pest Management (3) HRT 264 Arboriculture (3) HRT 266 Landscape Construction
<b>Program Electives</b> 3 credit hours	3	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture (3) HRT 112 Horticultural Mechanics	(3) HRT 130 Fall Greenhouse Production (3) HRT 231 Spring Greenhouse Production (3) HRT 265 Landscape CAD (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) SPA 101 Occupational Spanish I
<b>Total Certificate Credits</b>	35		

For more information, visit: [www.mchenry.edu/landscape](http://www.mchenry.edu/landscape)

## Requirements for the Turf and Golf Course Management Certificate

Curriculum: OCC 183	Credit Hours		
<b>Program Core</b>	20	(4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science (3) HRT 150 Plant Problem Diagnosis & Management	(3) HRT 181 Turf & Lawn Management (3) HRT 251 Integrated Pest Management (3) HRT 282 Golf Course & Sports Turf Management
<b>Program Electives</b> 9 credit hours	9	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture (3) HRT 112 Horticulture Mechanics (3) HRT 159 Landscape Perennials	(3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 161 Landscape Design (3) HRT 264 Arboriculture (3) HRT 266 Landscape Construction (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) SPA 101 Occupational Spanish I
<b>Total Certificate Credits</b>	29		

For more information, visit: [www.mchenry.edu/turfandgolf](http://www.mchenry.edu/turfandgolf)

### **Other Certificate Graduation Requirements:**

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.

- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 184 Landscape Management Certificate

**For more information, contact the department chair: (815) 455-8750.**