



**Agricultural Sciences**

Horticulture

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# Horticulture Science

Department: Agricultural Sciences

Degree: Associate of Applied Science

Entry time: Fall, Spring

Length: 2 years (4 semesters, 1 summer)

- One of the **largest schools** in the nation for number of **Ag program graduates**.
- **32,000 square-foot horticulture building** with outdoor learning laboratories.
- **8,000 square-foot greenhouse** with dedicated space for **hydro** and **aquaponics**.
- 12 agriculture-related student organizations among the **80+ clubs** on campus.
- **Required internship opportunities** providing great industry contacts, which could lead to a full-time position after graduation.

## Program Description

Horticulture Science is a broad, hands on based curriculum which exposes students to landscape practices, turfgrass management, and allows them to prepare for employment in “the green industry”. Students can pursue specialized studies (options) in landscape construction and design, or golf course and athletic turfgrass maintenance. Job opportunities with this degree might include growing plants in a greenhouse, designing and installing an outdoor kitchen, or maintaining the turfgrass on a top tier athletic field or golf course. If a student knows they would prefer to select courses from more than one of these specific areas, they can customize their studies with the assistance of a faculty member. This program includes an internship which will help students apply what they’ve learned in class, gain experience, and connect them with industry professionals.

Irrigation Installation and Repair  
Soil and Water Conservation  
Hardscape Installation Techniques

## Internships

As a Horticulture Science student, you will complete an internship between your first and second year allowing you to apply your lab and classroom skills in an actual work environment.

## Transfer Opportunities

Many of your classes will transfer to four-year institutions. Please be sure to work with your advisor to ensure transferability of courses to your desired university.

## Scholarships

Kirkwood will help you pay for college! Kirkwood awards more scholarships than any other community college in Iowa.

For more information and to apply, visit [www.kirkwood.edu/scholarships](http://www.kirkwood.edu/scholarships).

## Career Opportunities

Director of grounds  
Landscape designer or maintenance professional  
Hardscape installation specialist  
Golf course superintendent  
Retail garden center or greenhouse manager  
Golf course or athletic field manager

## Sample Classes

Introduction to Turfgrass Management  
Principles of Horticulture  
Landscape Design and Construction  
Golf Course and Athletic Field Maintenance  
Plant Material Identification and Maintenance Equipment Operations  
Landscape Estimating and Bidding  
Hydroponic Production

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