

HORTICULTURE SCIENCES, A.A.S.

Entry Time

Fall, Spring

Award

Associate of Applied Science degree
2 years (5 terms including summer)

Horticulture Science AAS prepares students for employment in the "green industry". Students can pursue specialized studies (options) in landscape horticulture studies or golf course and athletic turfgrass management. Students who want to take courses from more than one of these areas can customize their studies with the assistance of a faculty member. This program includes an internship. Specialization certificates can be earned as a part of the AAS degree or earned separately.

The entire Kirkwood campus is an outdoor learning laboratory for our classes. Students will work on real world projects that require problem solving, communication with clients, and time management skills. Using computers, operating large equipment and learning to identify native and ornamental plants are just a few of the opportunities students will have while taking classes in our curriculum.

Career Opportunities

- landscape designer for private homes or corporate campuses
- garden center or greenhouse manager
- salesperson
- commercial grounds foreman
- nursery production

Degree Requirements

Course	Title	Credit Hours
Term 1		
AGH-112	Introduction to Turfgrass Management	3
AGH-236	Plant Material Maintenance	3
AGH-220	Plant Identification I	3
AGH-110	Success in Horticulture	1
AGH-152	Landscape Design Techniques	3
AGH-157	Equipment Operations	2
AGH-150	Equipment Operations Lab	1
	Term Totals:	16
Term 2		
AGH-221	Principles of Horticulture	3
AGH-102	Horticulture Math	3
COM-723 or ENG-105	Workplace Communications or Composition I	3
AGH-144	Landscape Construction	3

AGH-283	Pesticide Application Certification	2
AGH-211 or AGH-167	Advanced Turfgrass Management or Introduction to Landscape Computer Design	3
	Term Totals:	17
Term 3		
WBL-301	Internship: Agriculture, Food, and Natural Resources	3
	Term Totals:	3
Term 4		
	Humanities or History/Culture Course (https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/)	3
AGH-240	Plant Identification II	3
AGH-166	Turfgrass and Landscape Irrigation	3
AGH-238	Soil and Water Conservation	3
	Select two of the following:	6
AGH-405	Golf Course Maintenance	
AGH-400	Athletic Field Maintenance	
AGH-304	Hardscape Installation	
AGH-168	Hardscape Design	
	Term Totals:	18
Term 5		
MGT-145 or PSY-111	Human Relations in Management or Introduction to Psychology	3
	Select three of the following:	9
AGH-303	Sustainable Site Management	
AGH-445	Turfgrass Management and Administration	
AGH-264	Hydroponic Production	
AGH-297	Landscape Business Operations	
AGH-465	Turf and Landscape Capstone	3
SPC-101	Fundamentals of Oral Communication	3
	Term Totals:	18
	Program Totals:	72