

## **Bachelor of Science in Agriculture Horticulture**

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Horticulture is a diverse field offering job opportunities in many areas within ornamental horticulture, food production, landscape horticulture, public gardens, floral design, healthcare and the golf industry. Murray State University offers training in all aspects of horticulture.

### **Career Outlook**

The overall outlook for jobs in horticulture is very good. The broad training provided at Murray State University helps prepare the graduate for a variety of job opportunities. These include but are not limited to arboriculture, botanical gardens, floriculture, floral design, golf course management, interiorscaping, horticultural therapy, landscape design, landscape installation, landscape maintenance, olericulture, ornamental horticulture, pomology, nursery production, turf grass and zoos/theme parks.

### **Organizations**

#### **Horticulture Club**

- Promotes growth and science of horticulture by supporting teaching, research, and service activities in horticulture.
- Develops fellowship among its members through sponsorship of horticultural activities.
- Broadens the knowledge of the student members through programs, trips to horticultural Enterprises and other places of interest to the horticulturist.

**Visit Our Website**

[www.murraystate.edu/agr](http://www.murraystate.edu/agr)

### **Facilities**

Hutson School of Agriculture facilities include classrooms, laboratories and offices housed in the south wing of the Oakley Applied Science Building, the A. Carman Animal Health Technology Center, the E.B. Howton Agricultural Engineering Building, the Agricultural Engineering Instructional Facility/Farm Shop and the Equine Instructional Facility.

The university also owns four farm complexes. The West Farm, North Farm and Pullen Farm Complexes are all located within a mile of MSU's main campus. These complexes are utilized for classes, contests, field days, judging contests, clinics and numerous agricultural activities.

The Pullen Farm Complex is of particular interest to students studying agronomy and horticulture. The farm was bequeathed to the university by the late Mrs. Mabel Garrett Pullen. It is used as an agronomy and horticulture research and teaching center. This center allows students to get practical experience and provides a unique opportunity to expand the study of horticulture at MSU.

### **For More Information Contact**

**Recruitment Coordinator  
Murray State University  
Hutson School of Agriculture  
(270) 809-3329  
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**Murray State University Hutson School of Agriculture  
Horticulture Curriculum 2023-2024**

University Studies - Foundations				
Cat.	Dept.	No.	Description	Hrs.
<b>Oral Communications</b>				3
	COM	161	Intro. to Public Speaking	
<b>Written Communications</b>				4
	ENG	105	Critical Reading, Writing & Inquiry	
<b>Scientific Inquiry and Methodologies (must include lab)</b>				4
	BIO	101	Biological Concepts <b>AND</b>	
	BIO	100	Intro to Biology Lab	
<b>Quantitative Reasoning</b>				4
	MAT	140	College Algebra	
University Studies - The Human Experience				
<b>Literary &amp; Philosophical Perspectives</b>				3
<b>Historical Perspectives</b>				3
<b>Creative Perspectives</b>				3
<b>Social &amp; Behavioral Perspectives</b>				3
	AGR	199	Contemp. Issues in Food, Fiber & NR	
<b>Culture, Diverse Perspectives &amp; Responsible Citizenship</b>				3
	AGR	200	Cultural & Intl. Ag Perspectives <b>OR</b>	
	AGR	353	World, Food, Agriculture & Society	
<b>BS Science/Mathematics Requirement</b>				4
	CHE	101	Consumer Chemistry <b>OR</b>	
	CHE	105	Introductory Chemistry <b>OR</b>	
	EES	199	Earth Science	

Agriculture Core Courses				
Cat.	Dept.	No.	Description	Hrs.
	AGR	100T	Transitions	1
	AGR	100	Animal Science	3
	AGR	130	Agricultural Economics <b>OR</b>	3
	AGR	333	Record Keeping & Analysis for Agribusiness	
	AGR	133	Field Applications for Ag	2
	AGR	140	Plant Science <b>OR</b>	3
	AGR	160	Horticultural Science <b>OR</b>	
	AGR	240	Crop Science	
	AGR	170	Intro to Ag Systems Tech <b>OR</b>	3
	AGR	370	Intro to Precision Agriculture	
	AGR	199	Contemp. Issues in Food, Fiber & NR	3
	AGR	339	Computer Apps for Ag	3
	AGR	345	Soil Science	3
	AGR	399	Prof Development Sem I <b>OR</b>	1
	AGR	499	Leadership/Prof Development Sem II	
	AGR	599	Ag Senior Capstone	1
Horticulture Track Courses				
	AGR	263	Woody Plant Materials I	2
	AGR	346	Soil Science Practicum	3
	AGR	360	Greenhouse Production & Management	3
	AGR	363	Woody Plant Materials II	2
	AGR	365	Herbaceous Plant Materials	2
	AGR	461	Plant Propagation	3
	AGR	541	Crop Physiology	3
	AGR		Electives	6
<b>Complete at least 1 of the following:</b>				3
	AGR	361	Horticulture & Greenhouse Mgmt. Production	
	AGR	460	Professional Experience in Horticulture	
<b>Complete at least 1 of the following:</b>				3
	AGR	367	Residential Landscape Design	
	AGR	462	Fine Turf Management	
	AGR	563	Arboriculture	
<b>Unrestricted Electives</b>				30

**Minimum Credential Hours: 120**