



Hutson School of Agriculture

Bachelor of Science in Agriculture Horticulture

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 course 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.

Facilities

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

The university also owns five 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 as it is used as a research and teaching center. The complex has a classroom, three greenhouses, The Doran Arboretum, and an apiary. It is also the home to "Fall on the Farm" an educational agritourism event that features a corn maze designed utilizing precision agriculture technology.

For More Information Contact

Visit Our Website

www.murraystate.edu/agr



Recruitment Coordinator
Murray State University
Hutson School of Agriculture
(270) 809-3329
msu.ag@murraystate.edu

**Murray State University Hutson School of Agriculture
Horticulture Curriculum 2024-2025**

University Studies - Foundations -34 Hours				
Cat.	Dept.	No.	Description	Hrs.
Oral Communications				3
	COM	161	Intro. to Public Speaking	
Written Communications				4
	ENG	105	Critical Reading, Writing & Inquiry	
Scientific Inquiry and Methodologies (must include lab)				4
	BIO	101	Biological Concepts AND	
	BIO	100	Intro to Biology Lab	
Quantitative Reasoning				3-4
	MAT	140	College Algebra OR	
	MAT	117	Mathematical Concepts	
University Studies - The Human Experience				
Literary & Philosophical Perspectives				3
Historical Perspectives				3
Creative Perspectives-ART 101				3
Social & Behavioral Perspectives				3
	AGR	199	Contemp. Issues in Food, Fiber & NR	
Culture, Diverse Perspectives & Responsible Citizenship				3
	AGR	200	Cultural & Intl. Ag Perspectives OR	
	AGR	353	World, Food, Agriculture & Society	
BS Science/Mathematics Requirement				4
	CHE	101	Consumer Chemistry OR	
	CHE	105	Introductory Chemistry OR	
	EES	199	Earth Science	

Required Support Courses (Complete 1 of the following Emphases)

Turf Management and Landscape Design				
	AGR	477	Ag Power Units	3
	Elective		AAPR Elective	3
	AGR	564	Public Garden Management & Practicum	3
	AGR	462	Fine Turf Management	3
	AGR	549	Weeds & Their Control	3

Extension/Leadership Horticulture				
	AED	380	AG Ed and Leadership	3
	NLS	290	Community & Non Profit Engagement	3
	NLS	350	Program Development	3
	NLS	351	Leadership, Gov. and Board of Development	3
	Elective		AGR, AED, NLS, MGT, MKT, COM	3

Agricultural Business				
	AGR	334	Entrepreneurship in Agribusiness	3
	AGR	338	Rural Economic Development	3
	AGR	337	Agricultural Sales & Merchandising	3
	MGT	350	Fundamentals of Management	3
	MKT	360	Principles of Marketing	3

Agriculture Core Courses-26 hrs				
Cat.	Dept.	No.	Description	Hrs.
	AGR	100T	Transitions	1
	AGR	100	Animal Science	3
	AGR	330	Principles of Agribusiness Management OR	3
	AGR	333	Record Keeping & Analysis for Agribusiness	
	AGR	133	Field Applications for Ag	2
	AGR	140	Plant Science OR	3
	AGR	160	Horticultural Science OR	
	AGR	240	Crop Science	
	AGR	170	Intro to Ag Systems Tech OR	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 OR	1
	AGR	499	Leadership/Prof Development Sem II	
	AGR	599	Ag Senior Capstone	1
Horticulture Track Courses-39 hrs				
	AGR	263	Woody Plant Materials I	2
	AGR	363	Woody Plant Materials II	2
	AGR	360	Greenhouse Production & Management	3
	AGR	361	Horticulture & Greenhouse Mgmt. Production	3
	AGR	365	Herbaceous Plant Materials	2
	AGR	367	Landscape Design	3
	AGR	460	Professional Experience in Horticulture OR	3
	AGR	488	Coop. Ed Internship	
	AGR	461	Plant Propagation	3
	AGR	541	Crop Physiology	3
	AGR	563	Arboriculture	3
Horticulture Electives - Select 4 of the following				12
	AGR	261	General Pomology	
	AGR	262	Vegetable Crop Production	
	AGR	362	Floral Design	
	AGR	436	Research in Agriculture	
	AGR	463	Horticulture Therapy	
	AGR	542	Plant Breeding	
	AGR	546	Integrated Pest Management	
	AGR	549	Weeds & Their Control	
	AGR	564	Public Garden Management & Practicum	
	AGR	569	Interior Plantscaping	
Unrestricted Electives				5-7

Sustainable Horticulture Emphasis				
	BIO	222	Botany	4
	AGR	562	Principles of Agroecology	3
	AGR	351	Impacts of Climate Change in Ag	3
	AGR	378	AG Envir. Man Systems OR Conservation	3
	EES	424	& Environmental Geosciences	
	AGR	565	Public Garden Management and Practicum	3

Minimum Credential Hours: 120