



Hutson School of Agriculture

## Bachelor of Science in Agriculture Agricultural Business Economics

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### Career Outlook

Most jobs in agricultural business economics involve working in some type of agricultural-related business. Some examples of agricultural-related firms include farm supply and equipment stores, credit and lending institutions, grain companies, livestock processing firms, agricultural chemical sales, governmental support agencies, and food manufacturing corporations.

Agricultural business economics is designed to help producers apply sound economic and management principles to the use of land, labor, and capital to improve the production and distribution of agricultural commodities and products.

Students interested in agricultural business economics come to Murray State University from a variety of rural and urban backgrounds. They have a wide range of interests and career objectives, but they usually like to solve problems dealing with people and resources. Agricultural business economics is a popular area of emphasis because it prepares students for a broad range of careers or graduate school.

### Courses of Study

Students in agricultural business economics receive training in production agriculture courses such as animal science, crop and soil sciences, and mechanized agriculture, along with their specialty agribusiness courses. Some examples of agribusiness courses taught in the Hutson School of Agriculture are Agribusiness Management, Agricultural Economics, Agricultural Business Records, Agricultural Finance, Farm Management, Agricultural Marketing, and Agricultural Policy. Students also take courses in computer applications, general accounting, economics, and management. There are six emphasis areas available to allow students an opportunity for further specialization.

### Facilities

Hutson School of Agriculture facilities include classrooms, laboratories, and offices housed in the Oakley Applied Science Building, the A. Carman Animal Technology Center and the E.B. Howton Agricultural Engineering Building.

The university owns five farm complexes. These complexes include three greenhouses, an apiary, an arboretum, agronomy plots, the Cherry Agricultural Exposition Center, the Rudolph Equine Education Center, and the Agricultural Systems Instructional Facility/Farm Shop. These facilities are utilized for classes, contests, field days, judging contests, clinics, and numerous agricultural activities.

### Organizations

#### Agribusiness Club

- Supports intellectual growth and development of agricultural business economics students.
- Encourages new interests and networking among students.
- Provides students with opportunities to hear agribusiness speakers and tour agricultural businesses operating in the region.

### For More Information Contact

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

**Visit Our Website**

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



**Murray State University Hutson School of Agriculture  
Agricultural Business Economics Curriculum 2025-2026**

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>				3-5
	MAT	140	College Algebra <b>OR</b>	
	MAT	150	Algebra & Trigonometry <b>OR</b>	
	MAT	220	Business Calculus	
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
	ECO	231	Microeconomics	
<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>OR</b>	
	ECO	230	Macroeconomics <b>OR</b>	
	POL	140	American National Government	
<b>BS Science/Mathematics Requirement</b>				4-5
	CHE	101	Consumer Chemistry <b>OR</b>	
	CHE	105	Introductory Chemistry <b>OR</b>	
	CHE	201	General College Chemistry	

**Required Support Courses (Complete 1 of the following Emphases)**

Crop Production Emphasis				
	AGR	240	Crop Science	3
	AGR	547	Crop Management	3
	AGR	549	Weeds & Their Control	3
<b>Complete at least 3 of the following:</b>				9
	AGR	170	Intro to Ag Systems Tech <b>OR</b>	
	AGR	370	Intro to Precision Agriculture	
	AGR	455	Soil Management	
	AGR	470	Soil & Water Engineering	
	AGR	471	Applications in Precision Ag	
	AGR	542	Plant Breeding I	
	AGR	546	Integrated Pest Management	
	AGR	555	Advanced Soil Fertility	

International Agriculture Emphasis				
	MKT	360	Principles of Marketing	3
	MKT	568	Global Marketing Management	3
<b>Complete at least 3 of the following:</b>				9
	AGR	353	World Food, Ag & Society	
	AGR	529	International Trade & Agriculture	
	AGR	533	Seminar in International Ag	
			Global Language	

Marketing & Management Emphasis				
	MGT	350	Fundamentals of Management	3
	MKT	360	Principles of Marketing	3
	AGR	434	Food & Agriculture Marketing	3
<b>Complete at least 6 hours of upper-level, advisor approved electives</b>				6

Entrepreneurship Emphasis				
	AGR	334	Entrepreneurship in Agribusiness	3
	MGT	350	Fundamentals of Management	3
	MGT	358	E Business Plan Development	3
<b>Complete at least 6 hours of upper-level, advisor approved electives</b>				6

Agriculture Core Courses				
Cat.	Dept.	No.	Description	Hrs.
	AGR	100T	Transitions	1
	AGR	100	Animal Science	3
	AGR	330	Principles of Agribusiness Management <b>OR</b>	3
	AGR	333	Record Keeping & Analysis for AgBus	
	AGR	133	Field Applications for Ag	2
	AGR	140	Plant Science	3
	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>	2
	AGR	499	Leadership/Prof Development Sem II	
Agribusiness Track Courses				
	ACC	200	Principles of Financial Accounting	3
	AGR	328	Statistics for Food & Ag <b>OR</b>	3-4
	STA	135	Intro to Probability & Statistics	
	AGR	130	Agriculture Economics	3
	AGR	330	Principles of Agribusiness Management <b>OR</b>	3
	AGR	333	Record Keeping & Analysis for AgBus	
	AGR	336	Agricultural Commodity Marketing	3
	AGR	337	Agricultural Sales & Merchandising	3
	AGR	433	Farm Management	3
	AGR	531	Agricultural Finance	3
	AGR	552	Agricultural Policy	3
<b>Complete at 3 of the following Agribusiness Electives:</b>				9
	AGR	334	Entrepreneurship in Agribusiness	
	AGR	434	Food & Agriculture Marketing	
	AGR	490	Agricultural Supply Chain Management	
	AGR	528	Agriculture Food & Rural Law	
	AGR	529	International Trade & Agriculture	
	AGR	530	Advanced Ag Commodity Marketing	
	AGR	532	Farm & Land Appraisal	
	AGR	536	Quantitative Methods for Ag Bus	
<b>Unrestricted Electives</b>				6-10

Livestock Management Emphasis				
	AGR	300	Principles of Animal Nutrition	3
<b>Complete 1 of the following:</b>				3
	AGR	444	Promotion & Entrepreneurship of Livestock & Their Products	
	AGR	490	Agricultural Supply Chain Management	
	AGR	505	Domestic Livestock Reproduction	
<b>Complete at least 3 of the following:</b>				9
	AGR	302	Horse Science	
	AGR	311	Beef Science	
	AGR	313	Livestock Production Management Systems	
	AGR	314	Small Ruminant Science	
	AGR	317	Equine Health Care & Management	
	AGR	321	Poultry Science	
	AGR	323	Livestock Structure & Function	
	AGR	326	Swine Science	
	AGR	327	Meat Science	
	AGR	375	Animal Emergency Preparedness	
	AGR	426	Experience in Swine Production	
	AGR	412	Beef Cattle Management Systems	

Horticulture Science Emphasis				19 Hrs
	AGR	262	Specialty Crop Production	3
	AGR	363	Landscape Plant Material	4
	AGR	360	Greenhouse Production and Management	3
	AGR	361	Horticulture and Greenhouse Management Practic	3
	AGR	362	Floral Design	3
	AGR	367	Residential Landscape Design	3

**Minimum Credential Hours: 120**