



## **Bachelor of Science in Agriculture Agribusiness Economics**

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### **Career Outlook**

Most jobs in agribusiness involve working in some type of agricultural related business. Some examples of agribusiness 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.

Agribusiness Economics is designed to help producers apply sound economic and management principles to the use of land, labor and capital in order to improve production and distribution of agricultural commodities and products.

Students interested in agribusiness 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. Agribusiness 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 agribusiness receive training in production agriculture courses such as animal science, crop science and mechanized agriculture, along with their specialty agribusiness courses. Some examples of Agribusiness Economics 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 four emphasis areas available to allow students an opportunity for further specialization.

### **Facilities**

Hutson School of Agriculture facilities include classrooms, laboratories, a state-of-the-art computer lab and offices housed in the south wing of the Oakley Applied Science Building, the A. Carman Animal Health Technology Center and the E.B. Howton Agricultural Engineering Building.

There are four farm complexes located within a mile of the main campus. These complexes include three greenhouses, agronomy plots, the Wm. Bill Cherry Agricultural Exposition Center, the Equine Center, rodeo facilities and the Agricultural Mechanization 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 agribusiness 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  
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**Visit Our Website  
[www.murraystate.edu/agr](http://www.murraystate.edu/agr)**

**Murray State University Hutson School of Agriculture  
Agribusiness 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>				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	230	Macroeconomics <b>OR</b>	
	ECO	231	Microeconomics <b>OR</b>	
	FIN	230	Personal Financial Planning	
<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>	
	PHI	202	Ethics <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	547	Crop Management	3
<b>Complete 1 of the following:</b>				3
	AGR	542	Plant Breeding	
	AGR	549	Weeds & Their Control	
<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
	FIN	330	Principles of Finance	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	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
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	Agricultural Economics <b>OR</b>	3
	AGR	333	Record Keeping & Analysis for Agribusiness	
	AGR	330	Principles of Agribusiness Mgt	3
	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 2 of the following Agribusiness Electives:</b>				6
	AGR	434	Food & Agriculture Marketing	
	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	

Livestock Management Emphasis				
	AGR	300	Principles of Animal Nutrition	3
<b>Complete 1 of the following:</b>				3
	AGR	444	Their Products	
	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	

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

**Minimum Credential Hours: 120**