

## **Bachelor of Science in Agriculture Agricultural Education**

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Offering career preparation in teaching agricultural education at the secondary level and in related agribusiness occupations.

### **Career Outlook**

If you like to work with young people, farmers, farm-related agribusiness and other influential people; have a pleasing personality and a cooperative attitude; want a teaching job in the vast field of agriculture/agribusiness; have had experience in farming and/or a farm-related industry; and seek employment in an occupational field with advancement opportunities competitive with graduates of many other academic disciplines, then consider pursuing a program in Agricultural Education at Murray State University.

Completion of the 120 credit-hour program will prepare you to join some 12,000 other agricultural education teachers in Kentucky and throughout the nation as a teacher of agriculture in the middle, secondary, and post-secondary schools. Instructional programs include agricultural production, food production, horticulture, agricultural mechanics, agricultural sales and services, and agricultural resource conservation.

Career opportunities also include occupations in agricultural production, private industry, and federal and state agencies, including agricultural extension and agricultural credit agencies.

### **Courses of Study and Education Required**

Pre-higher education preparation for a career in agricultural education should include a high school program in general education and work experience in farming and/or in a farm-related occupation. Although not required, completion of a high school curriculum in agricultural education and involvement with the FFA is highly recommended.

Upon completion of the necessary requirements, students will be certified to teach agriculture in the state of Kentucky. Out-of-state certification is also possible.

A Master of Science degree program in Agriculture - Agricultural Education is also offered.

### **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 Equine Instructional Facility, greenhouses and four farm complexes located near campus.

The horse and beef facilities are a part of the farm-laboratory complex. The Wm. Bill Cherry Agricultural Exposition Center is utilized for equine and rodeo classes, contests, field days, judging contests, clinics and numerous agriculture activities.

### **Organizations**

#### **Collegiate FFA/Collegiate 4-H**

- Develops fellowship between students in agriculture related studies.
- Promotes activities which develop leadership and citizenship abilities.
- Provides a vital link to high school students and departments of agricultural education.
- Club activities are instrumental in the agriculture recruitment plan.
- Competitive and recognized at the national level.
- Sponsor for the State Proficiency Award.

### **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 Education 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>				3-4
	MAT	117	Mathematical Concepts <b>OR</b>	
	MAT	140	College Algebra <b>OR</b>	
	STA	135	Intro to Probability to Statistics	
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	

Required Support Courses				
	AED	250	Special Problems in Agricultural Education	2
	SEC	421	Student Teaching in the Secondary School	7-14
<b>Complete the following with a minimum grade of "B":</b>				
	AED	104	Ag Education, Leadership & Life Knowledge	3
	AED	380	Ag Education, Extension & Leadership	3
	AED	501	Methods in Teaching Agricultural Education	3-6
	EDU	180	Exploring the Teaching Profession	3
	EDU	280	Educating for Human Development	3
	EDU	380	Inclusive Teaching of Diverse Learners	3
	EDU	480	Effective Pedagogy	2
	EDU	485	Professional Perspectives for Teaching	1

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
Agricultural Education Track Courses				
	AGR	360	Greenhouse Production & Management	3
	AGR	337	Agricultural Sales & Merchandising <b>OR</b>	3
	AGR	433	Farm Management <b>OR</b>	
	AGR	444	Prom & Entr of Livestock & Their Products	
	AGR	372	Agricultural Metal Processes	3
	AGR	570	Ag Systems Tech Lab Management	3
<b>Complete at least 1 of the following:</b>				3
	AGR	361	Horticulture & Greenhouse Mgmt. Practicum	
	AGR	362	Floral Design	
	AGR	368	Landscape Construction	
	AGR	461	Plant Propagation	
<b>Complete at least 1 of the following:</b>				3
	AGR	300	Principles of Animal Nutrition	
	AGR	301	Livestock Judging & Evaluation	
	AGR	302	Horse Science	
	AGR	311	Beef Science	
	AGR	326	Swine Science	
	AGR	426	Advanced Swine Science	
Complete at least 6 hours of upper-level, advisor approved AGR electives				6

Certification requires a minimum grade of "B" in the following: one English composition course, one university studies math course, a public speaking course, and AED 104, AED 380, and AED 501. Additional requirements for admission to teacher education and student teaching must be met. Students should see their academic advisor of the Office of Education Services for details.

AED 250 should be taken concurrently with EDU 480 and 485 and may be repeated as needed to complete a minimum of 200 clinical hours prior to student teaching.

**Minimum Credential Hours: 120**