

## **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 121-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**

**Visit Our Website**  
[www.murraystate.edu/agr](http://www.murraystate.edu/agr)

**MURRAY STATE UNIVERSITY  
HUTSON SCHOOL OF AGRICULTURE  
AGRICULTURAL EDUCATION CURRICULUM  
2017-2018 CATALOG**

**GENERAL EDUCATION/UNIVERSITY STUDIES COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>ORAL AND WRITTEN COMMUNICATION 7 HRS</b>				
ENG	105	Critical Reading, Writing & Inquiry <sup>1</sup>	4	
COM	161	Intro. to Public Speaking <sup>1</sup>	3	
<b>SCI. INQUIRY, METHODS, QUANT. SKILLS 12 HRS</b>				
BIO	101	Biological Concepts	4	
CHE	105	Intro. to Chemistry I	4	
STA	135	Intro. to Probability & Stats <sup>1</sup>	4	
MAT	140	College Algebra <sup>1</sup>	4	
<b>WORLD'S HISTORICAL-, LITERARY &amp; PHILOSOPHICAL TRADITIONS 6 HRS</b>				
HUM	211	Western Humanities Tradition	3	
CIV	201	World Civilizations I	3	
<b>GLOBAL AWARENESS AND CULT. DIVERSITY 3 HRS</b>				
AGR	200	International Agriculture Experience <b>OR</b>	3	
AGR	353	World Food, Ag & Soc <b>OR</b>	3	
SPA	106	Spanish for the Ag Industry	3	
<b>SOCIAL AND SELF AWARENESS 6 HRS</b>				
BIO	103	Saving Planet Earth <b>OR</b>	3	
POL	140	American Government	3	
EDP	260	Psychology of Human Development	3	
<b>UNIVERSITY STUDIES ELECTIVES 7 HRS</b>				
CHE	101	Consumer Chemistry <b>OR</b>	4	
GSC	199	Earth Science <b>OR</b>	4	
BIO	221	Zoology: Animal Form & Functions <b>OR</b>	4	
BIO	222	Botany: Plant Form & Functions	4	
AGR	199	Contemp Issues in Ag <sup>2,3</sup>	3	
<b>41 HOURS OF UNIVERSITY STUDIES</b>				

**AGRICULTURE CURRICULUM COURSES**

Dept.	No.	Description	Hrs.	Gr.
<b>AGRICULTURE CORE COURSES 26 HRS</b>				
AGR	100T	Transitions (Freshmen Orientation)	1	
AGR	100	Animal Science	3	
AGR	130	Intro. to Agribusiness	3	
AGR	133	Field Applications for Ag	2	
AGR	160	Horticultural Science <b>OR</b>		
AGR	240	Crop Science	3	
AGR	170	Intro. to Ag Systems Tech	3	
AGR	199	Contemp Issues in Ag <sup>2,3</sup>	3	

**AGRICULTURE CURRICULUM COURSES CONTINUED**

Dept.	No.	Description	Hrs.	Gr.
AGR	339	Computer Applications for Agriculture <sup>4,5</sup>	3	
AGR	345	Soil Science	3	
AGR	399	Prof Dev Seminar I <b>OR</b>	1	
AGR	499	Lead/Prof Dev Seminar II	1	
AGR	599	Ag Senior Capstone	1	
<b>AGRICULTURAL EDUCATION OPTION 24 HRS</b>				
AED	104	Ag Ed, Leadership and Life Knowledge	3	
AGR	337	Ag Sales & Merchandising <b>OR</b>	3	
AGR	433	Farm Management	3	
AGR	360	Greenhouse Management	3	
AGR	372	Agricultural Metal Processes	3	
AGR	570	Agricultural Systems Tech Lab Management	3	
<b>SELECT ONE OF THE FOLLOWING COURSES:</b>				
AGR	303	Advanced Horse Science	3	
AGR	321	Poultry Science	3	
AGR	325	Small Animal Science	3	
AGR	461	Plant Propagation	3	
AGR	471	App for Precision Ag	3	
AGR	555	Advanced Soil Fertility	3	
AGR	573	Ag Processing Systems	3	
<b>SELECT ONE OF THE FOLLOWING COURSES:</b>				
AGR	361	Greenhouse Practicum	3	
AGR	362	Floral Design	3	
AGR	368	Landscape Construction	3	
AGR	461	Plant Propagation	3	
<b>SELECT ONE OF THE FOLLOWING COURSES:</b>				
AGR	300	Animal Nutrition	3	
AGR	301	Livestock Judging	3	
AGR	302	Horse Science	3	
AGR	311	Beef Science	3	
AGR	326	Swine Science	3	
<b>PROFESSIONAL EDUCATION COURSES 32 HRS</b>				
AED	380	Ag Ed, Extension, and Leadership <sup>1</sup>	3	
AED	501	Methods of Teaching Ag Education <sup>1,6,7</sup>	3	
CTE	502	Assessment and Curricula in CTE	3	
SEC	421	Student Teaching in Secondary School <sup>6</sup>	14	
SED	300	Education Students with Disabilities	3	
		Advisor-Approved Content Literacy Course <sup>8</sup>	3	

<sup>1</sup>With a grade of B or better

<sup>2</sup>AGR 199 will fulfill both the agriculture core & university studies

<sup>3</sup>Identified as discipline specific writing intensive course

<sup>4</sup>Identified as discipline specific writing intensive course

<sup>5</sup>With a grade of C or better

<sup>6</sup> Admission to Teacher Education required

<sup>7</sup>Must be repeated for a total of 6 hours

<sup>8</sup>ENG 445 or REA 407

\*Additional requirements for admission to teacher education and student teaching must be met.