



MURRAY STATE
UNIVERSITY

Hutson School of Agriculture

Bachelor of Science in Agriculture Agricultural Education

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 100% online Master of Science in Agriculture - Agricultural Education, Education Specialist in Agriculture, and Ed.D. in P-20 & Community Leadership with a specialization in Agricultural Education is also offered as part of the program.

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 Equine Instructional Facility; greenhouses; and five farm complexes.

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 that 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
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Visit Our Website

www.murraystate.edu/agr

Murray State University Hutson School of Agriculture
Agricultural Education Curriculum 2024-2025

| University Studies - Foundations | | | | |
|--|-------|-----|--|------|
| 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 | 117 | Mathematical Concepts OR | |
| | MAT | 140 | College Algebra OR | |
| | STA | 135 | Intro to Probability to Statistics | |
| University Studies - The Human Experience | | | | |
| Literary & Philosophical Perspectives | | | | 3 |
| Historical Perspectives | | | | 3 |
| Creative Perspectives | | | | 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 | | | | |
|--|-------|-----|--|------|
| Cat. | Dept. | No. | Description | Hrs. |
| | AED | 250 | Special Problems in Agricultural Education | 2 |
| | SEC | 421 | Student Teaching in the Secondary School | 7-14 |
| Complete the following with a minimum grade of "B": | | | | |
| | AED | 104 | Introduction to Agricultural Education | 3 |
| | AED | 380 | Ag Education, Extension & Leadership | 3 |
| | AED | 501 | Methods of 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 |

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/EDU courses as noted. 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.

| Agriculture Core Courses | | | | |
|--|-------|------|---|------|
| 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 |
| Agricultural Education Track Courses | | | | |
| | AGR | 360 | Greenhouse Production & Management | 3 |
| | AGR | 337 | Agricultural Sales & Merchandising OR | 3 |
| | AGR | 338 | Rural Economic Development OR | |
| | AGR | 444 | Prom & Entr of Livestock & Their Products | |
| | AGR | 372 | Agricultural Metal Processes | 3 |
| | AGR | 570 | Methods of Teaching Agricultural Mechanics | 3 |
| Complete at least 1 of the following: | | | | 3 |
| | AGR | 361 | Horticulture & Greenhouse Mgmt. Practicum | |
| | AGR | 362 | Floral Design | |
| | AGR | 368 | Landscape Construction | |
| | AGR | 461 | Plant Propagation | |
| Complete at least 1 of the following: | | | | 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 1 of the following: | | | | 3 |
| | AGR | 371 | Agricultural Buildings and Construction | |
| | AGR | 477 | Agricultural Power Units | |
| | AGR | 572 | Advanced Metal Work | |
| | AGR | 576 | Agricultural Electification Systems | |
| | AGR | 577 | Tractor Power Principles | |
| Complete at least 3 hours of upper-level, advisor approved AGR electives | | | | 3 |