

Bachelor of Science in Agriculture Agriscience Technology Emerging Technology Emphasis

Offering career preparation for students interested in a broad, diversified education in agriculture leading to a Bachelor of Science degree and a career in agriculture.

Career Outlook

The field of agriculture includes a very broad range of career objectives. Subject matter fields include plant science, animal science, soil science, horticulture, agricultural engineering, agricultural education, agribusiness and agricultural economics. Job opportunities are numerous, and students trained in general agriculture are in high demand. A brief list of agricultural positions might include plant breeder, soil scientist, soil conservationist, extension agent, sales representative, banker, agriculture teacher, nursery specialist, landscape designer, greenhouse manager, farmer, nutritionist, animal breeder, economist, forester, processor, food scientist and farm manager.

Students with a general interest in agriculture come to Murray State University from varied rural and urban experiences. They have a wide range of interests and career objectives for employment in agriculture.

Organizations

- Agriculture Leadership Council
- Agriculture Ambassadors
- Agribusiness Club
- Agricultural Engineering Technology Club
- Agronomy Club
- Alpha Zeta
- Veterinary Technology/Pre-Vet Club
- Block & Bridle
- Collegiate FFA
- Dressage Club
- Equestrian Team
- Horseman's Association
- Horticulture Club
- Collegiate Farm Bureau
- Swine Club
- Rodeo Team/Club
- Sigma Alpha
- Collegiate 4-H
- Alpha Gamma Rho
- Soil and Crops Judging Teams

Facilities

Hutson School of Agriculture facilities include classrooms, laboratories and offices housed in the south wing of 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, a beef unit, the West Kentucky Exposition Center, the Equine Center and the Agricultural Mechanization Instructional Facility/Farm Shop. These facilities are utilized for classes, contests, field days, judging contests, clinics and numerous agriculture activities.

Emerging Technology Emphasis

Modern day agriculture is becoming an ever increasingly technological field. Production agriculture practices now include many technology based fields such as precision agriculture, internet, guidance systems, graphic information systems and many other advanced computer applications.

This curriculum emphasis will allow students to get a broad curricular background in agriculture and supplement it with technology based course work to prepare them for agricultural and technology related careers.

For More Information Contact

**Recruitment Coordinator
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Hutson School of Agriculture
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**Visit Our Website
www.murraystate.edu/agr**

**MURRAY STATE UNIVERSITY
HUTSON SCHOOL OF AGRICULTURE
AGRISCIENCE TECHNOLOGY CURRICULUM
EMERGING TECHNOLOGY EMPHASIS
2018-2019 CATALOG**

GENERAL EDUCATION/UNIVERSITY STUDIES COURSES

| Dept. | No. | Description | Hrs. | Gr. |
|---|-----|-------------------------------------|------|---------------|
| ORAL & WRITTEN COMMUNICATION | | | | 7 HRS |
| ENG | 105 | Critical Reading, Writing & Inquiry | 4 | |
| COM | 161 | Intro. to Public Speaking | 3 | |
| SCI. INQUIRY, METHODS, QUANT. SKILLS | | | | 12 HRS |
| BIO | 101 | Biological Concepts | 4 | |
| CHE | 105 | Intro. to Chemistry I | 4 | |
| MAT | 140 | College Algebra | 4 | |
| WORLD HISTORICAL, LIT, & PHIL TRAD | | | | 6 HRS |
| CIV | 201 | World Civilizations I | 3 | |
| HUM | 211 | Western Humanities Tradition | 3 | |
| GLOBAL AWARE, CULT DIV, WORLD ARTISTIC | | | | 3 HRS |
| Select One of the Following Courses | | | | |
| AGR | 200 | International Ag Experience | | |
| AGR | 353 | World, Food & Ag | | |
| SPA | 106 | Spanish for the Ag Industry | 3 | |
| SOCIAL & SELF AWARENESS | | | | 6 HRS |
| BIO | 103 | Saving Planet Earth | | |
| | | OR | | |
| POL | 140 | American National Gov | 3 | |
| AGR | 199 | Contemporary Issues in Ag | 3 | |
| UNIVERSITY STUDIES APPROVED ELECTIVES | | | | 6 HRS |
| CHE | 210 | Brief Organic Chem | 3 | |
| | | AND | | |
| CHE | 215 | Organic Chem Lab | 1 | |
| | | OR | | |
| GSC | 199 | Earth Science | 4 | |
| | | Elective | 2 | |
| 40 HOURS OF UNIVERSITY STUDIES | | | | |

AGRICULTURE CURRICULUM COURSES

| AGRICULTURE CORE COURSES | | | | 26 HRS |
|---------------------------------|------|------------------------------------|-----------|---------------|
| 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 | OR | |
| AGR | 240 | Crop Science | 3 | |
| AGR | 170 | Intro. to Ag Systems Tech | 3 | |
| AGR | 199 | Contemporary Issues in Ag | 3 | |
| AGR | 339 | Computer Applications for Ag | 3 | |
| AGR | 345 | Soil Science | 3 | |
| AGR | 399 | Prof Dev Seminar I | OR | 1 |
| AGR | 499 | Lead/Prof Dev Seminar II | 1 | |
| AGR | 599 | Ag Senior Capstone | 1 | |

AGRICULTURE CURRICULUM COURSES CONTINUED

| AGRISCIENCE TECHNOLOGY COURSES | | | | 24 HRS |
|--|-----|---------------------------------------|---|---------------|
| AGR | 377 | Ag Safety | 3 | |
| AGR | 433 | Farm Management | 3 | |
| AGR | | ELECTIVES | 6 | |
| Select One of the Following Courses | | | | |
| AGR | 300 | Animal Nutrition | | |
| AGR | 301 | Livestock Judging | | |
| AGR | 302 | Horse Science | | |
| AGR | 311 | Beef Science | | |
| AGR | 312 | Dairy Science | | |
| AGR | 321 | Poultry Science | | |
| AGR | 326 | Swine Science | 3 | |
| Select One of the Following Courses | | | | |
| AGR | 330 | Principles of Agribusiness Management | | |
| AGR | 333 | Ag Bus Rec & Analysis | | |
| AGR | 337 | Ag Sales & Merchandising | 3 | |
| Select One of the Following Courses | | | | |
| AGR | 360 | Greenhouse Prod & Mgt | | |
| AGR | 461 | Plant Propagation | | |
| AGR | 542 | Plant Breeding I | | |
| AGR | 549 | Weeds & Their Control | 3 | |
| Select One of the Following Courses | | | | |
| AGR | 372 | Ag Metal Processes | | |
| AGR | 379 | Field Equip Tech Mgt | | |
| AGR | 470 | Soil & Water Engineering | | |
| AGR | 477 | Ag Power Units | | |
| AGR | 576 | Ag Electrification Systems | | |
| AGR | 577 | Tractor Power Principles | 3 | |
| EMERGING TECHNOLOGY EMPHASIS | | | | 22 HRS |
| AGR | 471 | App in Precision Ag | 3 | |
| AGR | 571 | Adv Precision Ag | 3 | |
| GSC | 202 | Intro to Geographic Info Sci | 4 | |
| GSC | 312 | Intro to Remote Sensing | 3 | |
| Select 3 of the following | | | | |
| AGR | 439 | Software App for Ag | 3 | |
| AGR | 539 | Adv Computer App for Ag | 3 | |
| CSC | 125 | Internet & WWW Tech | 3 | |
| GSC | 305 | Map Analysis | 3 | |
| GSC | 521 | Geographic Info Systems | 3 | |
| TSM | 120 | Intro to Telecommunications | 3 | |
| UNRESTRICTED ELECTIVES | | | | 8 HRS |