Agribusiness: Animal Science Option

Agribusiness is a challenging, rewarding, multi-faceted industry. From large multinational corporations to emerging food manufacturing and input supply firms, there is a strong demand by agribusiness firms for more and better employees trained in both management and the agricultural sciences. Using technology ranging from natural systems to artificial insemination and embryo transfer systems, animal science involves the production, packaging, transportation, marketing and regulation of food, medical and fiber products.

Agribusiness: Animal Science students will...

- Take a variety of business-related courses such as: computer applications, accounting, economics, management, marketing, sales and finance.
- Take agriculture courses like animal science, animal breed improvement, animal diseases, nutrition, horse science and beef production.
- Complete an internship or research project.
- Be prepared for positions in management, sales, marketing, finance, policy and related areas in the animal industry.
- Be provided with a basis for graduate work leading to a master's degree or doctorate.

Career Planning

Career preparation is part of the mission of Southeast. In fact, more than 90% of Southeast students participate in internships, clinical opportunities, student teaching, research assistantships, and study abroad.

Professional career counselors are available for all students. The Office of Career Services in Academic Hall 057 can provide students with professional career counseling, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

Demonstrated Career Proficiency is a Requirement of all Southeast Students

<table>
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<tr>
<th>Demonstration</th>
<th>Semester</th>
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<tr>
<td>CL001/CL002</td>
<td>First Semester</td>
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<tr>
<td>CL003</td>
<td>Junior Year</td>
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<tr>
<td>CL004</td>
<td>Senior Year</td>
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Career Opportunities

- Agriculture Sales Representative
- Extension Agent
- Farm Manager
- Loan Officer
- Operations Manager
- Quality Control Analyst
- Research Technician
- USDA Meat Grader
- Cattle or Grain Merchandiser
- Reproduction Specialist
- Breed Association Marketing
- Therapeutic Riding Trainer
- Feed Lot Manager

Facilities

The department is committed to providing a variety of experiential learning opportunities for students majoring in agribusiness. Students gain experience at the following facilities:

- David M. Barton Agriculture Research Center,
- Charles L. Hutson Horticulture Greenhouse,
- Missouri Rice Research Farm,
- Charles Nemanick Alternative Agriculture Garden,
- With individual faculty members on projects.

For more information on the facilities, visit http://www.semo.edu/agriculture/facilities.htm.

Special Options with Agribusiness: Animal Science

The first two years of this program of study are available at the regional campuses (Kennett, Malden and Sikeston).
Agribusiness: Animal Science Option – 70 Hours – No Minor Required

Agribusiness Required Core Courses:
- AC 221 Principles of Accounting I (3) AND
- AD 101 Introduction to Microcomputer Applications (3) OR
- AG 208 Agriculture Business Data Analysis (3) AND
- AG 381 Agribusiness Management II (3)
- AG 245 Agricultural Economics (3)
- AG 250 Agribusiness Management (3)
- AG 334 Agribusiness Finance (3)
- AG 355 Agriculture Seminar (1)
- AG 447 Marketing of Agricultural Products (3)
- AG 465 Agriculture Internship (3) OR
- AG 469 Undergrad Research (3)
- AG 470 Agribusiness Sales (3)
- AO 120 Plant Science (3)
- AO 125 Plant Science Lab (1)
- AY 101 Animal Science (3)
- HO 110 Intro to Horticulture (3)
- UI 436 Agricultural Ethics (3)

Animal Science Option
- AY 105 Animal Science Experience (2)
- AY 304 Principles of Animal Nutrition (3)
- AY 350 Animal Reproduction (3)
- AY 360 Animal Immunology & Diseases (3)

Choose 21 Hours From:
- AG 371 Topics in Agriculture (2)
- AO 301 Forages (3)
- AY 200 Companion Animals (3)
- AY 205 Horse Science (3)
- AY 220 Animal Handling (1)
- AY 300 Domestic Animal Anatomy and Physiology (3)
- AY 305 Advanced Horse Science (3)
- AY 310 Domestic Animal A&P II (3)
- AY 320 Meat Science (3)
- AY 375 Animal Breeding Improvement (3)
- AY 405 Beef Production (3)
- AY 425 Feeding Nonruminants (3)
- AY 435 Feeding Ruminants (3)
- AY 440 Adv Beef Production (3)

Additional Requirements – 8 Hours Required
- CH 181 Basic Principles of Chemistry (5) OR
- CH 185 General Chemistry (5)
- MA 134 College Algebra (3)

University Studies Requirements (not already listed above):
- UI100 First Year Seminar, EN100 English Composition, Artistic Expression, Written Expression, Oral Expression, Literary Expression, Behavioral Systems, Development of a Major Civilization, Economic Systems, Political Systems, Social Systems, and two IU/UI3XXs

Degree requirements for all students: a minimum of 120 credit hours, completion of University Studies program, career proficiencies (CL001-004), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAPP) at the senior level.

Refer to the Undergraduate Bulletin or DegreeWorks for additional graduation requirements (i.e. minimum GPA and coursework) for your program of study.