Agribusiness: Animal Science Option

Bachelor of Science (BS)

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. 100% of programs offer our students an internship, study-abroad program, clinical opportunity, student teaching or research internship.

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

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, and
- With individual faculty members on projects.

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

Transfer and Dual Credit Students
If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.
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This is a guide based on the 2018-2019 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

**CURRICULUM CHECKLIST**

**Agribusiness: Animal Science Option – 70 Hours**

- No Minor Required

**Required Courses:**
- AC 221 Principles of Accounting I (3)
- AD 101 Introduction to Microcomputer Applications (3)
- AG 208 Agriculture Business Data Analysis (3)
- AG 381 Agribusiness Management II (3)
- AG 245 Agricultural Economics (3)
- AG 250 Agribusiness Management (3)
- AG 334 Agribusiness Finance (3)
- AG 359 Agriculture Seminar (1)
- AG 447 Marketing of Agricultural Products (3)
- AG 465 Agriculture Internship (3)
- AU 469 Undergrad Research (3)
- AO 470 Agribusiness Sales (3)
- AO 120 Plant Science (3)
- AO 125 Plant Science Lab (1)
- AO 105 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 210 Animal Welfare (2)
- AY 220 Animal Handling (1)
- AY 305 Domestic Animal Anatomy and Physiology (3)
- AY 305 Advanced Horse Science (3)
- AY 306 Companion Animal Diseases (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:**
- CH 181 Basic Principles of Chemistry (5)
- CH 185 General Chemistry (5)
- MA 116 Precalculus A (3)

**University Studies Requirements** – some requirements may be fulfilled by coursework in major program
- Social and Behavioral Sciences – 3 hours
- Constitution requirement – 3 hours
- US History requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI 1100 for native students)

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**SAMPLE FOUR-YEAR PLAN**

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**FOURTH YEAR**

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**SUMMER SESSION**

*Degree requirements for all students:* a minimum of 120 credit hours, completion of University Studies program, completion of 39 senior division hours (300-599), 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 Degree Works for additional graduation requirements for your program.*

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**To learn more**
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admissions@semo.edu
semo.edu

**To explore**
the College of Science, Technology, Engineering and Mathematics
online, visit
semo.edu/stem

**For advising**
Center for Academic Advising
semo.edu/advising

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Revised 7/10/2018