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**
A St. Louis Outreach Office, located in Chesterfield, Mo., provides career exploration assistance, resume critiques, interview tips, job search strategies and more.

<table>
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<tr>
<th>Demonstrated Career Proficiency is a Requirement of all Southeast Students</th>
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<td>First Semester</td>
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**Career Services,** located in Academic Hall 057, provides professional career advising to guide students in their career development.

**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](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).
This is a guide based on the 2014-2015 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 DegreeWorks to monitor their individual progress.

**CURRICULUM CHECKLIST**

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

**Agribusiness Required Core Courses:**
- AC221 Principles of Accounting I (3)
- AD101 Introduction to Microcomputer Applications (3)
- AG245 Agricultural Economics (3)
- AG250 Agribusiness Management (3)
- AG334 Agribusiness Finance (3)
- AG355 Agriculture Seminar (1)
- AG447 Marketing of Agricultural Products (3)
- AG465 Agriculture Internship (3)
- OR
- AG469 Undergrad Research (3)
- AG470 Agribusiness Sales (3)
- AO120 Plant Science (3)
- AO125 Plant Science Lab (1)
- AY101 Animal Science (3)
- HO110 Intro to Horticulture (3)
- UI436 Agricultural Ethics (3)

**Animal Science Option**
- AY105 Animal Science Experience (2)
- AY304 Principles of Animal Nutrition (3)
- AY360 Animal Immunization & Diseases (3)
- AY350 Animal Reproduction (3)

**Choose 21 Hours From:**
- AG371 Topics in Agriculture (2)
- AG301 Forages (3)
- AY202 Companion Animals (3)
- AY205 Horse Science (3)
- AY220 Animal Handling (1)
- AY300 Domestic Animal Anatomy and Physiology (3)
- AY305 Advanced Horse Science (3)
- AY375 Animal Breeding Improvement (3)
- AY405 Beef Production (3)
- AY440 Advanced Beef Production (3)

**Additional Requirements – 8 Hours Required**
- CH181 or CH185
- AY101 Animal Science (3)
- AY105 Animal Science (3)
- AY350 Animal Reproduction (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

**Sample Four-Year Plan**

**Fall Semester** | **Spring Semester**
---|---
**FIRST YEAR**
UI100 | AD101
EN100 | AG245
AO120 | HO110
AO125 | Animal Science Elective
AY101 | Written Expression
AY105 | 
**Total** | **Total**
15 | 15

**SECOND YEAR**
CH181 or CH185 | AG 250
Animal Science Elective | Animal Science Elective
Behavioral Systems | MA134
Social Systems | Artistic Expression
Total | Oral Expression
14 | 3

**THIRD YEAR**
AC221 | AG334
AG355 | AG470
AY304 | AY360
Animal Science Elective | Political Systems
Economic Systems | IU/UI3XX
Literary Expression | 
**Total** | **Total**
16 | 15

**FOURTH YEAR**
AG447 | AY350
Animal Science Elective | UH436
Animal Science Elective | Animal Science Elective
Develop of a Major Civ | Elective
IU/UI3XX | Elective
**Total** | **Total**
15 | 15

**SUMMER SESSION**
AG465 or AG469 | 3

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 freshman and senior levels.

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