

**Bachelor of Science (BS)****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. 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.

Demonstrated Career Proficiency is a Requirement of all Southeast Students		
CL001	First Semester	Students connect academic career planning by completing an online career assessment
CL002	Second Semester	Students learn more about resources available to enhance academic and career planning
CL003	Junior Year	Students learn about continued career planning, job search strategies, and networking
CL004	Senior Year	Students learn about resume development, professional communication, interviewing, and transitioning to the first job from college

**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>.

**Bachelor of Science (BS)**

This is a guide based on the 2017-2018 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  
– 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)
- \_\_\_ 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)
- \_\_\_ AY350 Animal Reproduction (3)
- \_\_\_ AY360 Animal Immunology & Diseases (3)

**Choose 21 Hours From:**

- \_\_\_ AG371 Topics in Agriculture (2)
- \_\_\_ AO301 Forages (3)
- \_\_\_ AY200 Companion Animals (3)
- \_\_\_ AY205 Horse Science (3)
- \_\_\_ AY210 Animal Welfare (2)
- \_\_\_ AY220 Animal Handling (1)
- \_\_\_ AY300 Domestic Animal Anatomy and Physiology (3)
- \_\_\_ AY305 Advanced Horse Science (3)
- \_\_\_ AY310 Domestic Animal A&P II (3)
- \_\_\_ AY320 Meat Science (3)
- \_\_\_ AY375 Animal Breed Improvement (3)
- \_\_\_ AY405 Beef Production (3)
- \_\_\_ AY425 Feeding Nonruminants (3)
- \_\_\_ AY435 Feeding Ruminants (3)
- \_\_\_ AY440 Adv Beef Production (3)

**Additional Requirements – 8 Hours Required**

- \_\_\_ CH181 Basic Principles of Chemistry (5)  
OR
- \_\_\_ CH185 General Chemistry (5)
- \_\_\_ MA134 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

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at [semo.edu/transfercredit](http://semo.edu/transfercredit).

**SAMPLE FOUR-YEAR PLAN**

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
<b>FIRST YEAR</b>	UI100	3	AD101 or AG 208	3
	EN100	3	AG245	3
	AY101	3	HO110	3
	AY105	2	AO120	3
	MA134	3	AO125	1
			Written Expression	3
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>
<b>SECOND YEAR</b>	CH181 or CH185	5	AG 250	3
	Animal Science Elective	3	Animal Science Elective	3
	Behavioral Systems	3	Animal Science Elective	3
	Social Systems	3	Artistic Expression	3
			Oral Expression	3
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>
<b>THIRD YEAR</b>	AC221 or AG 381	3	AG334	3
	AG355	1	AG470	3
	AY304	3	AY360	3
	Animal Science Elective	3	Political Systems	3
	Economic Systems	3	Elective	3
	Literary Expression	3		
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
<b>FOURTH YEAR</b>	AG447	3	AY350	3
	Animal Science Elective	3	UI436	3
	Animal Science Elective	3	Animal Science Elective	3
	Develop of a Major Civ	3	Elective	3
			Elective	3
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>15</b>
<b>SUMMER SESSION</b>			AG465 or AG469	3

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

Revised  
3/31/2017