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**

<table>
<thead>
<tr>
<th>CL001</th>
<th>First Semester</th>
<th>Students connect academic career planning by completing an online career assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL002</td>
<td>Second Semester</td>
<td>Students learn more about resources available to enhance academic and career planning</td>
</tr>
<tr>
<td>CL003</td>
<td>Junior Year</td>
<td>Students learn about continued career planning, job search strategies, and networking</td>
</tr>
<tr>
<td>CL004</td>
<td>Senior Year</td>
<td>Students learn about resume development, professional communication, interviewing, and transitioning to the first job from college</td>
</tr>
</tbody>
</table>

**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](http://www.semo.edu/agriculture/facilities.htm).
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)
- OR
- AD 101 Introduction to Microcomputer Applications (3)
- AND
- 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 210 Animal Welfare (2)
- 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):

UI 100 First Year Seminar, EN 110 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.

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## SAMPLE FOUR-YEAR PLAN

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>UI 100</td>
<td>3</td>
<td>AD 101 or AG 208</td>
<td>3</td>
</tr>
<tr>
<td>EN 100</td>
<td>3</td>
<td>AG 245</td>
<td>3</td>
</tr>
<tr>
<td>AY 101</td>
<td>3</td>
<td>HO 110</td>
<td>3</td>
</tr>
<tr>
<td>AY 105</td>
<td>2</td>
<td>AO 120</td>
<td>3</td>
</tr>
<tr>
<td>MA 134</td>
<td>3</td>
<td>AO 125</td>
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**Total: 14**

### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>CH 181 or CH 185</td>
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</tbody>
</table>

**Total: 16**

### SUMMER SESSION

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<tr>
<th>Course #</th>
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</thead>
<tbody>
<tr>
<td>AG 447</td>
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</tr>
<tr>
<td>AY 350</td>
<td>3</td>
</tr>
<tr>
<td>AO 120</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total: 15**

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**Degree requirements for all students:** A minimum of 120 credits 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.

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For advising
Center for Academic Advising - North
(573) 651-5090
www.semo.edu/advising
advisingnorth@semo.edu

To explore the College of Science, Technology, and Agriculture online, visit
www.semo.edu/costa/

To learn more
Office of Admissions
(573) 651-2590
admissions@semo.edu
www.semo.edu

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