

AGRIBUSINESS: ANIMAL SCIENCE OPTION

Bachelor of Science (BS)

This is a guide based on the 2026-2027 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

71 Hours – No minor required

Required Courses:

- ___ AG111 Agribusiness Orientation (1)
- ___ AG140 Communicating in Agriculture (3)
- ___ AG208 Agriculture Bus Data Analysis (3)
- ___ AG245 Agricultural Economics (3)
- ___ AG250 Agribusiness Management (3)
- ___ AG334 Agribusiness Finance (3)
- ___ AG340 Agriculture Safety (3)
- ___ AG355 Agriculture Seminar (2)
- ___ AG447 Marketing Agricultural Products (3)
- ___ AG470 Agribusiness Sales (3)
- ___ AO120 Plant Science (3)
- ___ AO125 Plant Science Lab (1)
- ___ AY101 Animal Science (3)
- ___ HO110 Introduction to Horticulture (3)

Choose 3 hours:

- ___ AG381 Agribusiness Management II (3)
- ___ AC221 Principles of Accounting I (3)

Choose 3 hours:

- ___ AG465 Agriculture Internship (3-6)
- ___ AG469 Undergraduate Research (3)

Animal Science Option

- ___ AY105 Animal Science Experiences (1)
- ___ AY106 System & Structure of Livestock Animals (1)
- ___ AY302 Animal Immunology (2)
- ___ AY304 Principles of Animal Nutrition (3)
- ___ AY350 Animal Reproduction (3)
- ___ AY375 Animal Breed Improvement (3)

Choose 3 hours:

- ___ AY306 Companion Animal Diseases (3)
- ___ AY360 Livestock Diseases (3)

Choose 17 hours from:

- ___ AG371 Topics in Agriculture (2)
- ___ AG436 Agricultural Ethics (3)
- ___ AO301 Forages (3)
- ___ AY200 Companion Animals (3)
- ___ AY205 Horse Science (3)
- ___ AY210 Animal Welfare (2)
- ___ AY220 Animal Handling (1)
- ___ AY222 Swine Science (3)
- ___ AY240 Beef Production (3)
- ___ AY300 Domestic Animal A&P I (3)
- ___ AY305 Advanced Horse Science (3)
- ___ AY310 Domestic Animal A&P II (3)
- ___ AY320 Meat Science (3)
- ___ AY333 Livestock Behavior and Management (3)
- ___ AY425 Feeding Nonruminants (3)
- ___ AY435 Feeding Ruminants (3)
- ___ AY440 Advanced Beef Production (3)
- ___ AY455 Form & Function of Livestock Animals (3)

Additional Requirements – 4 hours:

- ___ CH181/184 Basic Principles of Chemistry and Lab (4)
- ___ CH184/185 General Chemistry I and Lab (4)

Choose 3 hours:

- ___ MA116 Precalculus A (3)
- ___ MA155 Statistical Reasoning (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution 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 UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	AG111	1
	EN100	3	AG208	3
	AY101	3	AG245	3
	AY105	1	AO120	3
	MA116 or MA155	3	AO125	1
	General Education	3	HO110	3
Total	14	Total	14	
SECOND YEAR	Chemistry requirement	4	AG 250	3
	Animal Science Elective	3	Animal Science Elective	3
	General Education	3	Animal Science Elective	3
	General Education	3	General Education	3
			General Education	3
Total	13	Total	15	
THIRD YEAR	AC221 or AG 381	3	AG140	3
	AG355	2	AG334	3
	AY302	2	AG470	3
	AY304	3	AY306 or AY360	3
	General Education	3	General Education	3
	General Education	3		
Total	16	Total	15	
FOURTH YEAR	AG350	3	AG340	3
	AY447	3	AY375	3
	Animal Science Elective	3	Animal Science Elective	3
	Elective	3	Animal Science Elective	3
	Elective	3	Elective	3
	Total	15	Total	15
SUMMER SESSION			AG465 or AG469	3

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.



Revised
5/14/2026

DEGREE MAP 2026-2027



**SOUTHEAST MISSOURI
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