

**West Texas A&M University**  
**Advising Services**  
**Degree Checklist**  
**2023-2024**

(For assistance completing this form, contact Advising Services at 806-651-5300)

**NAME:** \_\_\_\_\_ **WT ID:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**Animal Science**  
**Department of Agricultural Sciences**  
**AGS 220 651-2550**

<b>CORE CURRICULUM COURSES: 42 HOURS ♦</b>		<b>HRS</b>	
<b>Communication (Core 10)</b>			
ENGL 1301 Intro. to Academic Writing & Argumentation <b>OR</b> ENGL 1311 Writing About Ideas	3		
COMM 1315, 1318, or 1321	3		
<b>Mathematics (Core 20)</b>			
See University Core Requirements below	(3)		
<b>Life and Physical Sciences (Core 30)</b>			
See University Core Requirements below	(6)		
<b>Language, Philosophy and Culture (Core 40)</b>			
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, 2315* or 2371 <b>Choose 1</b>	3		
<b>Creative Arts (Core 50)</b>			
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307, 1310; or THRE 1310 <b>Choose 1</b>	3		
<b>American History (Core 60)</b>			
HIST 1301, 1302, 2301, 2381, or 2382 <b>Choose 2</b>	6		
<b>Government/Political Science (Core 70)</b>			
POSC 2305 and 2306	6		
<b>Social and Behavioral Sciences (Core 80)</b>			
See University Core Requirements below	(3)		
<b>Component Area Option (Core 90)</b>			
See University Core Requirements below	(6)		
<b>ANIMAL SCIENCE MAJOR REQUIREMENTS: 84-86 HOURS</b> A grade of "C" or better must be earned in all courses required for major.			
<b>UNIVERSITY CORE REQUIREMENTS: 18 HOURS ♦</b>			
<b>CORE 20</b>			
MATH 1314* College Algebra	3		
<b>CORE 30</b>			
ANSC 1319, 1319L Principles of Animal Science <b>AND</b> PSES 1307, 1307L Principles of Plant Science	6		
<b>CORE 80</b>			
AGBE 2317* Fundamentals of Agricultural Economics	3		
<b>CORE 90</b>			
ENGL 1302* Research and Rhetoric <b>OR</b> ENGL 2311* Introduction to Professional and Technical Communication	3		
<b>CORE 90</b>			
AGRI 2300 Personal and Professional Leadership Development	3		
<b>AGRICULTURAL SCIENCE COURSES: 25-26 HOURS</b>			
AGRI 1329 Food Science	3		
AGRI 3301 Genetics <b>OR</b> BIOL 3301 Genetics	3		
AGRI 3318* Agricultural Statistics	3		
AGBE 3301* Farm and Ranch Management <b>OR</b> AGBE 3304* Agricultural Business Management	3		
AGBE 3302* Marketing of Agricultural Products	3		
ANSC 3374* Principles of Nutrition	3		
AGRI 3103* Agricultural Industry and Career Preparation	1		

**Bachelor of Science Degree**  
**BS.ANIMAL.SCI (503)**

<b>Take two courses from:</b> PSES 2313 Economic Entomology PSES 2311 Fundamentals of Soil Science PSES 3350 Rangeland Plants PSES 3354 Ecology of Rangeland & Agricultural Systems PSES 4302 Range/Forage/Wildlife Management PSES 4321 Grain, Fiber and Oilseed Crops PSES 4352* Integrated Grazing and Wildlife Habitat Mgt. PSES 4356 Rangeland Improvements PSES 4380 Environmental and Livestock Agroecosystems	6		
<b>MAJOR REQUIREMENTS: 43-44 HOURS</b>		<b>HRS</b>	
BIOL 1406 Basic and Contemporary Biology I <b>OR</b> BIOL 1413 Zoology	4		
CHEM 1411*, 1411L Chemistry I	4		
CHEM 1412*, 1412L Chemistry II	4		
BIOL 2420*, 2420L Applied Microbiology <b>OR</b> BIOL 2572*, 2572L Microbiology	4-5		
ANSC 2371* Anatomy and Physiology of Domestic Farm Animals	3		
ANSC 2376*, 2376L Meat Animal and Carcass Evaluation	3		
ANSC 3317*, 3317L Meat Science	3		
ANSC 3340*, 3340L Reproductive Physiology	3		
ANSC 3355* Animal Breeding	3		
ANSC 3375*, 3375L Feeds and Feeding	3		
<b>Take three courses from:</b> ANSC 4320*, 4320L Beef Cattle Management ANSC 4321*, 4321L Stocker Cattle Management ANSC 4322*, 4322L Dairy Cattle Management ANSC 4324*, 4324L Swine Management ANSC 4328*, 4328L Feedlot Management ANSC 4329* Meat Animal Welfare Management ANSC 4330*, 4330L Reproductive Techniques in Livestock ANSC 4331* Animal Health (cross-listed with BIOL 4331) ANSC 4370*, 4370L Equine Science and Production ANSC 4098* Animal Science Internship	9		
<b>ELECTIVES: 8-10 HOURS BY ADVISEMENT ♦</b>		<b>HRS</b>	
ELECTIVES	8-10		
<b>TOTAL HOURS REQUIRED TO COMPLETE DEGREE</b>		<b>120</b>	

**NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.**

**WTAMU ADVISING SERVICES – 2023-2024 Curriculum Guide**

**Major: Animal Science, B.S.**

**Major Code: 503**

<b>Year 1: Fall</b>		<b>Year 1: Spring</b>	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 30 (Life & Phys. Sci.) – PSES 1307/1307L	3
CORE 20 (Mathematics) – MATH 1314	3	CORE 90 (Component Area Option) – ENGL 1302 or 2311	3
CORE 30 (Life & Phys. Sci.) – ANSC 1319/1319L	3	AGRI 1329 Food Science	3
CORE 90 (Component Area Option) – AGRI 2300	3	CHEM 1411/1411L Chemistry I	4
BIOL 1406/1406L or 1413/1413L	4	CORE – See checklist for options <sup>1</sup>	3
<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>16</b>
<b>Year 2: Fall</b>		<b>Year 2: Spring</b>	
CORE 80 (Social & Behav. Sci) – AGBE 2317	3	ANSC 2371 Anatomy & Physiology of Domestic Farm Animals	3
CHEM 1412/1412L Chemistry II	4	BIOL 2420/2420L or 2572/2572L	4-5
ANSC 2376 Meat Animal and Carcass Evaluation	3	CORE – See checklist for options <sup>1</sup>	3
CORE – See checklist for options <sup>1</sup>	3	PSES Elective (see checklist or <sup>2</sup> below)	3
CORE – See checklist for options <sup>1</sup>	3	CORE – See checklist for options <sup>1</sup>	3
<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>16-17</b>
<b>Year 3: Fall</b>		<b>Year 3: Spring</b>	
ANSC 3374 Principles of Nutrition	3	ANSC 3355 Animal Breeding	3
AGRI 3301 Genetics	3	ANSC 3375 Feeds and Feeding	3
ANSC 3317 Meat Science	3	AGRI 3318 Agricultural Statistics	3
ANSC 3340 Reproductive Physiology	3	PSES Elective (see checklist or <sup>2</sup> below)	3
AGRI 3103 Agricultural Industry and Career Preparation	1	CORE – See checklist for options <sup>1</sup>	3
CORE – See checklist for options <sup>1</sup>	3		
<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>15</b>
<b>Year 4: Fall</b>		<b>Year 4: Spring</b>	
ANSC 4000-level (see checklist or <sup>4</sup> below)	3	ANSC 4000-level (see checklist or <sup>4</sup> below)	3
ANSC 4000-level (see checklist or <sup>4</sup> below) <b>or</b> Elective	3	Elective <b>or</b> ANSC 4000-level (see checklist or <sup>4</sup> below)	3
PSES Elective (see checklist or <sup>2</sup> below)	3	AGBE 3302 Marketing of Agricultural Products	3
AGBE 3301 Farm and Ranch Mgt. (fall only) <b>or</b> take AGBE 3304 (spring only) in spring	3	Elective <b>or</b> AGBE 3304 Agricultural Business Mgt. - AGBE 3304 if AGBE 3301 has not been taken.	3
Elective (six hours if planning to take AGBE 3304 in spring)	3-6	Elective (only if needed to total 120 hours overall)	1
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>12-13</b>

<sup>1</sup> **CORE:** Animal Science majors are required to take specific courses for Core 20, Core 30, Core 80, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

<sup>2</sup> **PSES Elective:** Take two courses from: PSES 2313, 2311, 3350, 3354, 4302, 4321, 4352, 4356. At least one course must be advanced.

<sup>3</sup> **Natural Science Electives:** Take two natural science electives from PHYS 2426, BIOL 1406, 1407, 1411, 1413, 2420, 2572, 4425, 4510, GEOL 1403, 1404, 3471, 3475, 3311, 3312, 3350.

<sup>4</sup> **ANSC 4000-level:** Take three courses from ANSC 4320, 4321, 4322, 4324, 4328, 4329, 4370, 4098 (for 3 hours).

<p><b>Identified Marketable Skills</b></p> <p>1) Agriculturally literate, 2) Teachable/leadership/followership, 3) Problem solver, 4) Professional, 5) Communicator, 6) Competent in field of study</p>	<p><b>Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities</b></p> <p>Feeding Operations Research Laboratories Nutrition</p>
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**Additional notes:**

- The core curriculum must total exactly 42 hours; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.

- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.