West Texas A&M University
Advising Services
Degree Checklist
2026-2027

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

NAME:_____ **WT ID:**_____ **DATE:**_____

Animal Science – with a Specialization in Pre-Veterinary Medicine (see ↷note below)

Department of Agricultural Sciences
AGS 220 (806) 651-2550

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

CORE CURRICULUM COURSES: 42 HOURS ♦	HRS	
Communication (Core 10)		
ENGL 1301*** Intro. to Academic Writing & Argumentation	3	
COMM 1315***, 1318***, or 1321***	3	
Mathematics (Core 20)		
See **University Core Requirements** below	(3)	
Life and Physical Sciences (Core 30)		
See **University Core Requirements** below	(6)	
Language, Philosophy and Culture (Core 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312*/**, 2313*, 2315*, or 2371 **Choose 1**	3	
Creative Arts (Core 50)		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 **Choose 1**	3	
American History (Core 60)		
HIST 1301, 1302, 2301, 2381, or 2382 **Choose 2**	6	
Government/Political Science (Core 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Core 80)		
See **University Core Requirements** below	(3)	
Component Area Option (Core 90)		
See **University Core Requirements** below	(6)	
ANIMAL SCIENCE MAJOR REQUIREMENTS: 84-86 HOURS **A grade of "C" or better must be earned in all courses required for major.**		
UNIVERSITY CORE REQUIREMENTS: 18 HOURS ♦		
CORE 20 MATH 1314* College Algebra	3	
CORE 30 ANSC 1319, 1319L Principles of Animal Science **AND** PSES 1307, 1307L Principles of Plant Science	6	
CORE 80 AGBE 2317* Fundamentals of Agricultural Economics	3	
CORE 90 ENGL 1302* or 2311*	3	
CORE 90 AGRI 2300 Personal and Professional Leadership Development	3	
AGRICULTURAL SCIENCE COURES: 25-26 HOURS		
AGRI 1329 Food Science	3	
AGRI 3103* Agricultural Industry and Career Preparation	1	
AGRI 3301*** Genetics **OR** BIOL 3301*** Genetics	3	
AGRI 3318*/*** Agricultural Statistics	3	
AGBE 3301* Farm and Ranch Management **OR** AGBE 3304* Agricultural Business Management	3	
AGBE 3302* Marketing of Agricultural Products	3	
ANSC 3374*/*** Principles of Nutrition	3	
Take two courses from (one must be 3000- or 4000-level): PSES 2311 Fundamentals of Soil Science PSES 2313 Economic Entomology 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	

MAJOR REQUIREMENTS: 43-44 HOURS	HR	
BIOL 1406***, 1406L Basic and Contemporary Biology I **OR** BIOL 1413***, 1413L Zoology	4	
BIOL 2420*/***, 2420L Applied Microbiology **OR** BIOL 2572*/***, 2572L Microbiology	4-5	
CHEM 1411*/***, 1411L Chemistry I	4	
CHEM 1412*/***, 1412L Chemistry II	4	
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/BIOL 3340*, 3340L Reproductive Physiology	3	
ANSC 3355* Animal Breeding	3	
ANSC 3375*, 3375L Feeds and Feeding	3	
Take three courses from: 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/BIOL 4331* Animal Health ANSC 4370*, 4370L Equine Science and Production ANSC 4098* Animal Science Internship (for 3 hours)	9	
ADDITIONAL PREPROFESSIONAL REQUIREMENTS: 19 HOURS		
CHEM 2423*/***, 2423L Organic Chemistry I **AND** CHEM 2425*/***, 2425L Organic Chemistry II	8	
CHEM 4323*/*** Biochemistry I ***-TAMU requires only lecture hours***	3	
PHYS 1401*/*** General Physics I **AND** PHYS 1402*/*** General Physics II ***-TAMU requires only PHYS 1401***	8	
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	**120****	

↷ Students may complete pre-veterinary medicine requirements while earning a Bachelor of Science degree in Animal Science. Preprofessional requirements of the 27 schools and colleges of veterinary medicine in the United States vary. Students interested in applying to a school or college outside of Texas should contact the school or college to obtain formation on preprofessional requirements. The courses on this checklist include the preprofessional requirements for the Texas A&M University College of Veterinary Medicine.

* Indicates prerequisites—see catalog for more information.
** Or an equivalent course (second year, second semester) in a foreign language.
*** Satisfies Texas A&M University College of Veterinary Medicine preprofessional requirements.
**** Total hours with TAMU preprofessional requirements is 132-134.

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 – 2026-2027 Curriculum Guide

Major: Animal Science with Pre-Vet, B.S. **BS.ANIMAL.SCI (503)**

Year 1: Fall		Year 1: Spring	
CORE 10 – ENGL 1301	3	CORE 90 – ENGL 1302 or 2311	3
CORE 20 – MATH 1314 (or CHEM 1411)	3-4	CORE 30 – PSES 1307/1307L Principles of Plant Science[2]	3
CORE 30 - ANSC 1319/1319L Principles of Animal Science[2]	3	BIOL 2420/2420L or 2572/2572L[2]	4-5
BIOL 1406/1406L or 1413/1413L[2]	4	CHEM 1411/1411L or 1412/1412L[2] (or Summer)	4
CORE 90 – AGRI 2300	3	CORE 10 (COMM) – See checklist for options[1]	3
Total:	16-17	Total:	17-18
Year 2: Fall		**Year 2: Spring**	
CORE 80 – AGBE 2317 Fundamentals of Agricultural Economics	3	ANSC 2371 Anatomy and Physiology of Domestic Farm Animals[2]	3
AGRI 1329 Food Science	3	CHEM 2425/2425L Organic Chemistry II[2]	4
ANSC 2376/2376L Meat Animal and Carcass Evaluation[2]	3	PHYS 1401/1401L General Physics I	4
CHEM 2423/2423L Organic Chemistry I[2]	4	CORE 60 – See checklist for options	3
CORE 60 – See checklist for options	3	CORE 50 - See checklist for options	3
Total:	16	Total:	17
Year 3: Fall		**Year 3: Spring**	
CORE 70 – POSC 2305	3	ANSC 3375/3375L Feeds and Feeding[3]	3
ANSC 3374 Principles of Nutrition[3]	3	ANSC 3355 Animal Breeding	3
ANSC 3340/3340L Reproductive Physiology[3]	3	AGRI 3318 Agricultural Statistics	3
CHEM 4323 Biochemistry I	3	CORE 40 – See checklist for options	3
AGRI 3103 Agricultural Industry and Career Preparation AGRI (or BIOL) 3301 Genetics	1 3	CORE 70 – POSC 2306	3
Total:	16	Total:	15
Year 4: Fall		**Year 4: Spring**	
ANSC 4000-level (see degree checklist or Note 5 below for options)[5]	3	ANSC 4000-level (see degree checklist or Note 5 below for options)[5]	3
ANSC 4000-level[5] or Elective	3	AGBE 3302 Marketing of Agricultural Products	3
PSES Elective (see checklist for options)	3	PSES Elective (see checklist for options)	3
		ANSC 3317 Meat Science[3]	3
AGBE 3301 Farm & Ranch Mgt. (fall only) **or** take 3304 Agricultural Business Management (spring only) in spring	3	Elective **or** AGBE 3304 (if AGBE 3301 has not been taken)	3
Elective (six hours of planning to take AGBE 3304 in Spring)	3-6	Elective (only if needed to total 120 hours overall)	0-1
Total:	15-18	Total:	15-16

[1] **CORE:** Animal Science majors are required to take specific courses for Core 20, Core 30, Core 80, and Core 90. For all other core 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.

[2] **High priority courses (to complete by end of 2nd year):** CHEM 1411, 1412; BIOL 1406, 2420 or 2572; CHEM 2423, CHEM 2425; ANSC 1319, PSES 1307; ANSC 2376, 2371.

[3] **High priority courses (to complete by end of 3rd year):** ANSC 3374, 3375, 3340, 3317.

[4] Summer courses are recommended and likely necessary in order to apply to vet school after 3rd year. PHYS 1401, 1402 are recommended summer courses.

[5] **ANSC 4000-level:** Take three courses from ANSC 4320, 4321, 4322, 4324, 4328, 4329,4330, 4331, 4370, 4098 (for three hours).

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

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.