

**West Texas A&M University
Advising Services
Degree Checklist
2015-2016**

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

NAME: _____ WT ID: _____ DATE: _____

**Animal Science – Pre-Veterinary Option
Department of Agricultural Sciences
ANS 213 651-2550**

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS
Communication (Code 10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Code 20)		
See University Core Requirements below	(3)	
Life and Physical Sciences (Code 30)		
See University Core Requirements below	(6)	
Language, Philosophy and Culture (Code 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; PHIL 1301, 2374; SPAN 2311*, 2312**/, 2313*, or 2315* Choose 1	3	
Creative Arts (Code 50)		
ARTS 1303, ARTS 1304; DANC 2303; HUMA 1315; MUSI 1306 or 1208 and 1209* (extra MUSI hour moves to Code 90); or THRE 1310 Choose 1	3	
American History (Code 60)		
HIST 1301, 1302, 2301, 2381 Choose 2	6	
Government/Political Science (Code 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Code 80)		
See University Core Requirements below	(3)	
Component Area Option (Code 90)		
See University Core Requirements below	(6)	
ANIMAL SCIENCE/PRE-VET OPTION MAJOR REQUIREMENTS: 109-110 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 BIOL 1406[3]** Basic and Contemporary Biology OR BIOL 1413***[3] Zoology	3	
CORE 30 CHEM 1411**/[3] Chemistry I	3	
CORE 80 AGBE 2317* Fundamentals of Agricultural Economics	3	
CORE 90 ENGL 2311**/ Introduction to Professional and Technical Communication	3	
CORE 90 IDS 1071[1]; BIOL 1406L[1] or 1413L[1]; CHEM 1411L[1]	3	
MAJOR AND PRE-PROFESSIONAL REQUIREMENTS: 91-92 HOURS****		
AGBE 3301* Farm and Ranch Management OR AGBE 3304* Agricultural Business Management	3	
AGBE 3302* Marketing of Agricultural Products	3	
AGRI 1329 Food Science	3	
AGRI 3301*** Genetics OR BIOL 3301*** Genetics	3	
AGRI 3318**/ Agricultural Statistics	3	
AGRI 4103* Senior Seminar	1	
ANSC 1319****, 1319L Principles of Animal Science	3	
ANSC 2371* Anatomy and Physiology of Domestic Farm Animals	3	
ANSC 2376*, 2376L Meat Animal and Carcass Evaluation	3	

**Bachelor of Science Degree
BS.PRE.VET (505)**

ANSC 3317*, 3317L Meat Science	3	
ANSC 3340*, 3340L Reproductive Physiology	3	
ANSC 3355* Animal Breeding	3	
ANSC 3374**/** Principles of Nutrition	3	
ANSC 3375*, 3375L Feeds and Feeding	3	
Take three courses from: ANSC 4311E Pharmaceutical Use in Cattle 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 4370*, 4370L Equine Science and Production	9	
BIOL 2572**/**, 2572L Microbiology	5	
CHEM 1412**/**, 1412L Chemistry II	4	
CHEM 2523**/**, 2523L Organic Chemistry I	5	
CHEM 2525**/**, 2525L Organic Chemistry II	5	
CHEM 4323**/** Biochemistry I -5 hours if taken with lab (CHEM 4223L). TAMU requires only lecture hrs.	3	
CHEM 4324**/** Biochemistry II (lecture hours only) -5 hours if taken with lab (CHEM 4224L). TAMU requires only lecture hrs.	3	
PHYS 1401**/** General Physics I	4	
PHYS 1402**/** General Physics II	4	
PSES 1307, 1307L Principles of Plant Science	3	
Take two courses from: PSES 2313, 2411, 2411L, 4302, 4321	6-7	
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	133-134	

♦ 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.

** 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.

**** Students may complete a Bachelor of Science degree in animal science, which includes pre-veterinary medicine requirements. Students do not have to complete the Bachelor of Science degree to apply for admission to a veterinary college. Once students have completed the preprofessional requirements, they may apply.

Completion of the preprofessional requirements can be done in as little as two years but usually takes three or four years of undergraduate study. 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 of veterinary medicine outside Texas should contact the school or college to obtain information on preprofessional requirements.

Pre-requisite note: Texas A&M DVM program now requires PSYC 2301.

NOTE: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the final 36 hours counted toward the degree must be earned at WTAMU. A maximum of six semester hours in religion and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

Note: This is NOT a degree plan. After completing 30 hours, students are encouraged to request an official degree plan in the office of the dean of the College of Agriculture and Natural Sciences, located in the Agriculture and Natural Sciences Building, Room 106 (or call 651-2585). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.



First Year					
Fall			Spring		
H o u r s 18	CORE 90-IDS 1071	1	H o u r s 18	CORE 10-COMM 1315, 1318 or 1321	3
	CORE 30-LAB SCIENCE	4		CHEM 1412/1412L	4
	BIOL 1413 or 1406			AGRI 1329	3
	CHEM 1411/1411L	4		PSES 1307/1307L	3
	CORE 10-ENGL 1301	3		BIOL 2572/2572L	5
	CORE 20-MATH 1314**	3			
	ANSC 1319/1319L	3			

Second Year					
Fall			Spring		
H o u r s 18	CHEM 2523/2523L	5	H o u r s 18	AGRI 3301	3
	PHYS 1401/1401L	4		PHYS 1402/1402L	4
	CORE 90-ENGL 2311	3		CHEM 2525/2525L	5
	ANSC 2376/2376L	3		ANSC 2371	3
	AGBE 2317	3		CORE 60-HIST 1301, 1302, 2301 or 2381	3

Third Year					
Fall			Spring		
H o u r s 15	CHEM 4323	3	H o u r s 15	CORE 60-HIST 1301, 1302, 2301 or 2381	3
	ANSC 3340/3340L	3		AGRI 3318	3
	CORE 50-ARTS	3		CORE 40 See Checklist for Options	3
	ANSC 3317/3317	3		ANSC 3375/3375L	3
	ANSC 3374	3		CHEM 4324	3

Fourth Year					
Fall			Spring		
H o u r s 16	ANSC* 4324/4324L or 4328/4328L	3	H o u r s 18	ANSC* 4320/4320L or 4370/4370L	3
	AGBE 3301 OR 3304	3		CORE 70-POSC 2305 or 2306	3
	PSES ELECT***	3		ANSC 3355	3
	AGRI 4103	1		AGBE 3302	3
	CORE 70-POSC 2305 or 2306	3		PSES ELECT***	3
	PYSC 2301	3		ANSC*	3
	Recommended-see checklist				

Notes: * Animal Science Production courses - must take three of: ANSC 4320, 4321, 4322, 4324, 4328 or 4370.

** MATH 1314 is a prerequisite for CHEM 1411. If unable to enroll in CHEM 1411 during fall, then it is recommended to complete CHEM 1411 in the spring semester and CHEM 1412 during the summer.

*** Two courses from: PSES 2313, PSES 2411, PSES 4302 or PSES 4321

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 45 hours. Students should always seek the advice of their academic adviser before scheduling classes.