

## West Texas A&M University Advising Services Degree Checklist 2019-2020

**FPC** This symbol indicates courses that apply towards degree programs at WT. All core classes are offered at FPC. Please refer to the list regarding major specific courses. Course prefixes and numbers may vary at each institution. Please contact an adviser to ensure the course will apply towards chosen core area.

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

### Animal Science – with a Specialization in Pre-Veterinary Medicine (see note below) Department of Agricultural Sciences AGS 220 651-2550

CORE CURRICULUM COURSES: 42 HOURS †		HRS	FPC
<b>Communication (Core 10)</b>			
ENGL 1301*** Intro. to Academic Writing & Argumentation	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	3		Choose 1
<b>Creative Arts (Core 50)</b>			
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310	3		Choose 1
<b>American History (Core 60)</b>			
HIST 1301, 1302, 2301, 2381	6		Choose 2
<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		FPC
<b>CORE 30</b> ANSC 1319, 1319L Principles of Animal Science <b>AND</b> PSES 1307, 1307L Principles of Plant Science	6		FPC
<b>CORE 80</b> AGBE 2317* Fundamentals of Agricultural Economics	3		FPC
<b>CORE 90</b> ENGL 1302* or 2311*	3		FPC
<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		FPC
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		FPC
ANSC 3374**/*** Principles of Nutrition	3		
AGRI 3103* Agricultural Industry and Career Preparation	1		
<b>Take two courses from:</b>			
PSES 2313 Economic Entomology PSES 2411, 2411L Soils and the Environment <b>Ac</b> 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	6-7		

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

MAJOR REQUIREMENTS: 43-44 HOURS		HRS
BIOL 1406***, 1406L Basic and Contemporary Biology I <b>OR</b> BIOL 1413***, 1413L Zoology	4	FPC
CHEM 1411**/***, 1411L Chemistry I	4	FPC
CHEM 1412**/***, 1412L Chemistry II	4	FPC
BIOL 2420***, 2420L Applied Microbiology <b>OR</b> BIOL 2572***, 2572L Microbiology	4-5	FPC
ANSC 2371* Anatomy and Physiology of Domestic Farm Animals	3	
ANSC 2376*, 2376L Meat Animal and Carcass Evaluation	3	FPC
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 4370*, 4370L Equine Science and Production	9	
<b>ADDITIONAL PREPROFESSIONAL REQUIREMENTS: 19 HOURS</b>		
CHEM 2423**/***, 2423L Organic Chemistry I <b>AND</b> CHEM 2425**/***, 2425L Organic Chemistry II	8	FPC
CHEM 4323**/*** Biochemistry I -TAMU requires only lecture hours	3	
PHYS 1401**/*** General Physics I <b>AND</b> PHYS 1402**/*** General Physics II	8	FPC
<b>TOTAL HOURS REQUIRED TO COMPLETE DEGREE</b>	<b>120****</b>	

† NOTE: 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.

Ac 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 information 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: 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 by using the online [Degree Plan Request](#) form. Students who have questions about their degree plan should contact the office of the dean of the Paul Engler College of Agriculture and Natural Sciences, which is located in the Happy State Bank Academic & Research Building, Suite 262 (phone 806-651-3570). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.**

**WTAMU ADVISING SERVICES**  
**2019-2020 Curriculum Guide**

Major: Animal Science w/ specialization in Pre-Vet

Major Code: 503

First Year			
Fall		Spring	
AGRI*2300	3		
ANSC*1319	3	PSES*1307	3
ENGL*1301	3	ENGL*1302/2311	3
MATH*1314 or CHEM*1411	4	CHEM*1411 or 1412	4
BIOL*1406 or Core*50	3	Core*50 or BIOL*1406	4
Semester Hours		Semester Hours	
16		14	

Second Year			
Fall		Spring	
		ANSC*2371	3
PHYS*1401	4	PHYS*1402	4
AGBE*2317	3	AGBE*3304 or Core*40	3
<b>CHEM*2423</b>	4	<b>CHEM*2425</b>	4
BIOL*2420	4	HIST*1301/1302/2301/2381	3
Semester Hours		Semester Hours	
15		17	

Third Year			
Fall		Spring	
<b>CHEM*4323</b>	3	COMM*1315/1318/1321	3
POSC*2305/2306	3	POSC*2305/2306	3
<b>ANSC*3374</b>	3	<b>ANSC*3355</b>	3
<b>ANSC*3340</b>	3	<b>ANSC*3375</b>	3
AGRI*3301	3		
AGRI*3103	1	AGRI*3318	3
Semester Hours		Semester Hours	
16		15	

Fourth Year			
Fall		Spring	
ANSC 4000**	3	ANSC 4000** or Core*40	3
PSES Elective	3	PSES Elective	3
ANSC 4000** or <b>AGBE*3301</b>	3	AGBE*3302	3
ANSC*2376	3	ANSC*3317	3
HIST*1301/1302/2301/2381	3		
Semester Hours		Semester Hours	
15		12	

**Degree Total Hours     120**

**DISCLAIMER:** This curriculum guide should be used in conjunction with the

Identified Marketable Skills:
1. Agriculturally Literate
2. Teachable/leadership/followership
3. Problem solver
4. Professional
5. Communicator
6. Competent in field of study

Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities Veterinary School or Graduate School

Prerequisites/Important Sequences/Other degree Notes:
MATH 1314 is a prerequisite for CHEM 1411. If unable to enroll in CHEM 1411 during first fall, then it is recommended to complete CHEM 1411 in the spring semester and CHEM 1412 during the summer.
<b>Courses in bold font are offered only in suggested semester of FA or SP.</b>
**Choose from: ANSC*4320, 4321, 4322, 4324, 4328, 4329 or 4370

Additional links to MyPlan/Department Website/Onet can be placed here