

WTAMU ADVISING SERVICES – 2025-2026 Curriculum Guide

Major: Animal Science with Pre-Vet, B.S.

Major Code: 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	1	CORE 70 – POSC 2306	3
AGRI (or BIOL) 3301 Genetics	3	Total:	15
Total:	16		
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 (REL) 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.