



**AS- General Studies – Pre-Veterinarian to
Bachelor of Science in Animal Science
Pre-Veterinary Medicine Concentration^T
Guided Pathway
Effective for the 2019-2020 Catalog**



First Year – North Central Texas College

FIRST SEMESTER		SECOND SEMESTER	
HIST 1301 US History I		MUSI 1306 or other Creative Arts Core	
BIOL 1406 Biology for Science Majors I		HIST 1302 or 2301 US History II or Texas History	
EDUC 1300 Learning Frameworks		MATH 2413 Calculus I	
CHEM 1411 General Chemistry I*		CHEM 1412 General Chemistry II*	
MATH 2412 Pre-Calculus*		BIOL 1407 Biology for Science Majors II	

Total Semester Hours: 18

Total Semester Hours: 18

Second Year – North Central Texas College

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER		SECOND SEMESTER	
GOVT 2305 American National Government		GOVT 2306 Texas Government	
SPCH 1315 Public Speaking		ENGL 2311 Technical Writing	
PHYS 1401 General Physics I		HUMA 1301 Intro to Humanities or other Language/Philosophy/Culture Core	
SOCI 1301 Intro to Sociology or other Social Science core (C ^o AGEC 2317 – Introductory Agricultural Economics (AGRI 2317) is a Social Science Core course @ TSU)		PHYS 1402 General Physics II	
ENGL 1301 Composition I			

Total Semester Hours: 16

Total Semester Hours: 13

Associates of Science – General Studies- Pre-Veterinarian Major

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

These courses may be completed at NCTC or TSU

AGRI 1419 – General Animal Science	
C ^o CHEM 2423 – Organic Chemistry I (CHEM 2323+2123)	CHEM 2425 – Organic Chemistry II

Total Semester Hours: 12

Third Year – Tarleton State University

FIRST SEMESTER		SECOND SEMESTER	
ANSC 2101 – Animal Science Industry		ANSC 3408 – Physiology of Reproduction	
ANSC 2350 – Anatomy and Physiology of Domestic Animals		AGRI 3409 – Genetics	
BIOL 3407 – Microbiology		ANSC 3309 – Applied Animal Nutrition and Feeding	
ANSC 3421 – Meat Science			
ANSC 3308 – Principles of Animal Nutrition		AGSD 3302 – Agricultural Sales and Services <u>OR</u> ACOM 3314 – Writing and Editing for Agricultural Publications <u>OR</u> ACOM 3321 – Communicating Agriculture to the Public	

Total Semester Hours: 15

Total Semester Hours: 14

Fourth Year – Tarleton State University

FIRST SEMESTER		SECOND SEMESTER	
BIOL <u>OR</u> CHEM 4374 – Biochemistry I		Advanced Elective – 3000 or 4000 level	
ANSC 3319 – Animal Breeding		ANSC 4185 – Animal Science Problems	
ANSC 4300 – Research and Writing in Animal Science		MATH 3450 – Principles of Bio-Statistics	
¹ ANSC Advanced Elective		¹ ANSC Advanced Elective	

Total Semester Hours: 12

Total Semester Hours: 11

Total Degree Hours: 129

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

^c This course counts for the Core Curriculum at any public college or university in Texas.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.

*MATH 1314 is a prerequisite to CHEM 1411, and MATH 1314 along with either MATH 1316 or 2412 are prerequisites to MATH 2413 and PHYS 1401 or 2425. Until you have completed these prerequisites you will be under a General Studies major (AA or AS degree). Some Math prerequisites may be satisfied by earning required scores on CLEP, AP, IB, ACT, SAT, or an NCTC approved Math placement exam. Please see an advisor at NCTC for details.

¹ANSC 4313 – Sheep and Goat Production

ANSC 4303 – Beef Cattle Production

ANSC 4310 – Swine Production

ANSC 4302 – Dairy Cattle Production

ANSC 4330 – Horse Enterprise Management

ANSC 4440 – Sustainable Livestock Systems

ANSC 4320 – Stocker Cattle Production and Feedlot Management

For questions about the university portion of this pathway,
contact the Animal Science and Veterinary Technology Department at 254-968-9222.