

**Associate of Arts in General Studies
Animal Science (Non Pre-Vet) to
Bachelor of Science in Animal Science
Range and Ranch Management Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog**

First Year – North Central Texas College

FIRST SEMESTER	SECOND SEMESTER
EDUC/PSYC 1300 Learning Frameworks	ENGL 2311 Technical Writing
ENGL 1301 Composition I	HIST 1302 US History II or HIST 2301 Texas History
HIST 1301 US History I	AGRI 2317 Intro to Agriculture Economics
BIOL 1406 Biology for Science Majors I or BIOL 1413 Zoology	CHEM 1411 General Chemistry I
MATH 1314 College Algebra or higher level Algebra-based Math core	AGRI 1419 Animal Science

Total Semester Hours: 16

Total Semester Hours: 17

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	MUSI 1306 or other Creative Arts core
ECON 2301 Macroeconomics, ECON 2302 Microeconomics, or other Social Science	HUMA 1301 Introduction to Humanities or other Language/Philosophy/Culture core
AGRI 1407 Agronomy	CHEM 1412 General Chemistry II
BIOL 1407 Biology for Science Majors II or BIOL 1411 Botany	

Total Semester Hours: 17

Total Semester Hours: 13

Associates of Arts- General Studies- Animal Science (Non Pre-Vet) Majors

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

^C CHEM 2423 – Organic Chemistry I (CHEM 2323+2123)	
---	--

Total Semester Hours: 4

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ANSC 2101 – Animal Science Industry	RNRM 3315 – Range Ecology
ANSC 2350 – Anatomy and Physiology of Domestic Animals	ANSC 3408 – Physiology of Reproduction
RNRM 3300 – Rangeland and Forest Plants	AGRI 3409 – Genetics
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	SOIL 3301 – Soil Science
ANSC 3319 – Animal Breeding	

Total Semester Hours: 17

Total Semester Hours: 17

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
ANSC 3309 – Applied Animal Nutrition and Feeding	ANSC 4185 – Animal Science Problems
RNRM 3301 – Principles of Range Management	RNRM 4312 – Range Improvement and Development
ANSC 4300 – Research and Writing in Animal Science	RNRM 4301 – Perspectives and Practices in Grazing Management
¹ ANSC Advanced Elective	BIOL 3436 – Plant Physiology <u>OR</u> BIOL 3415 – Plant Taxonomy
¹ ANSC Advanced Elective	RNRM 4384 – Internship <u>OR</u> ANSC 4084 – Internship

Total Semester Hours: 17

Total Semester Hours: 14-15

Total Degree Hours: 132

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.

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

^{*}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.