



AS- General Studies – Pre-Veterinarian to
Bachelor of Science in Wildlife, Sustainability
and Ecosystem 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

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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
PSYC 2301 General Psychology	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

^C CHEM 2423 – Organic Chemistry I (CHEM 2323+2123)	CHEM 2425 – Organic Chemistry II
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Total Semester Hours: 8

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
WSES 2405 – Ecology for Natural Resource Managers	BIOL 3407 – Microbiology
WSES 2322 – Principles of Wildlife Conservation & Management	BIOL 3303 – Genetics <u>OR</u> AGRI 3409 – Genetics
BIOL 4374 – Biochemistry I	ANSC 3308 – Principles of Animal Nutrition
MATH 3450 – Principles of Bio-Statistics	Advanced WSES Elective
WSES 4084 – Internship <u>OR</u> WSES 4088 – Undergraduate Research <u>OR</u> WSES 4340 – Natural Resource Field Studies <u>OR</u> WSES 4342 – Field Study Abroad	ENGL 3309 – Technical Writing & Document Design

Total Semester Hours: 17

Total Semester Hours: 16-17

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
WSES 3311 – Wildlife Disease <u>OR</u> WSES 3303 – Veterinary Entomology	WSES 3310 – Wildlife Management Techniques
WSES 3340 – Fisheries Conservation and Management <u>OR</u> WSES 3403 – Natural History of the Vertebrates <u>OR</u> WSES 4401 – Ethology <u>OR</u> WSES 4327 – Avian Ecology and Management <u>OR</u> WSES 4326 – Big Game Ecology and Management <u>OR</u> BIOL 4430 – Ornithology <u>OR</u> BIOL 4440 – Herpetology <u>OR</u> BIOL 3406 – Comparative Vertebrate Anatomy <u>OR</u> BIOL 4451 – Mammalogy	WSES 3340 – Fisheries Conservation and Management <u>OR</u> WSES 3403 – Natural History of the Vertebrates <u>OR</u> WSES 4401 – Ethology <u>OR</u> WSES 4327 – Avian Ecology and Management <u>OR</u> WSES 4326 – Big Game Ecology and Management <u>OR</u> BIOL 4430 – Ornithology <u>OR</u> BIOL 4440 – Herpetology <u>OR</u> BIOL 3406 – Comparative Vertebrate Anatomy <u>OR</u> BIOL 4451 – Mammalogy
WSES 4187 – Senior Capstone Seminar	WSES 4302 – Habitat Management
WSES 3385 – Fish and Wildlife Laws and Administration <u>OR</u> WSES 3386 – Human Dimensions of Fish & Wildlife Management <u>OR</u> WSES 3323 – Ethical Issues in Agriculture & the Natural Resources	WSES 4301 – Population Dynamics, Modeling, and Analysis

Total Semester Hours: 10-11

Total Semester Hours: 12-13

Total Degree Hours: 128

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.

*For questions about the university portion of this pathway,
contact the Wildlife, Sustainability, & Ecosystem Sciences Department at 254-968-9221.*