



**AS Biology Field of Study to  
Bachelor in Science in Biology –  
Wildlife Concentration<sup>T</sup>  
Guided Pathway**



Effective beginning with the 2020-2021 catalog

## First Year - Collin College

(Developmental/Pre-requisite coursework may be required.)

FIRST SEMESTER	SECOND SEMESTER
ENGL 1301 Composition I	ENGL 1302 Composition II (or ENG 2311)
MATH 2412 Pre-Calculus Math	BIOL 1407 Biology for Science Majors II
Speech (see list below) – 3 hours	CHEM 1411 General Chemistry I
History (see list below) – 3 hours	History (see list below) – 3 hours
BIOL 1406 Biology for Science Majors I	
17 credit hours	14 credit hours

## Second Year - Collin College

Apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
GOVT 2305 Federal Government	GOVT 2306 Texas Government
PHYS 1401 College Physics I	Creative Arts (see list below) – 3 hours
Social/Behavioral Science (see list below) -3 hours	CHEM 2423 Organic Chemistry
CHEM 1412 General Chemistry II	Elective (see below) (TSU requires PHYS 1402 – College Physics II (PHYS 1302+1102))
Lang, Phil, & Culture (see list below) – 3 hours	
17 credit hours	14 credit hours

## AS Biology Field of Study

Contact your advisor at Collin College for information about applying for your Associate's degree.

### These courses may be taken at Collin College or TSU

General Elective	*First Year Seminar Elective (Learning Frameworks)
WSES 2322 – Principles of Wildlife Conservation & Management (AGRI 2330)	

Total Semester Hours: 7-9

## Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 2300 – Cell Biology	BIOL 3407 – Microbiology
BIOL 3303 – Genetics	BIOL 3353 – Ecology and Evolution
BIOL 3103 – Genetic Techniques	BIOL 4430 – Ornithology <u>OR</u> BIOL 4440 – Herpetology <u>OR</u> BIOL 4451 – Mammology <u>OR</u> BIOL 4462 – Ichthyology
MATH 3450 – Principles of Bio-Statistics	BIOL 3415 – Plant Taxonomy
ENGL 3309 – Technical Writing and Document Design	

Total Semester Hours: 14

Total Semester Hours: 15

## Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 3436 – Plant Physiology <u>OR</u> BIOL 3449 – Invertebrate Zoology	BIOL 4398 – Current Topics in the Life Sciences
BIOL 4401 – Ecology	BIOL 4420 – Terrestrial Field Ecology
BIOL 4430 – Ornithology <u>OR</u> BIOL 4440 – Herpetology <u>OR</u> BIOL 4451 – Mammology <u>OR</u> BIOL 4462 – Ichthyology	BIOL 4430 – Ornithology <u>OR</u> BIOL 4440 – Herpetology <u>OR</u> BIOL 4451 – Mammology <u>OR</u> BIOL 4462 – Ichthyology

Total Semester Hours: 12

Total Semester Hours: 11

TOTAL: 121

**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.

\* You may take a different course to meet this requirement. A specific list is available from your advisor.

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

() Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

T Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.

Speech – choose one from: SPCH 1311, 1315, or 1321

History – choose two from: HIST 1301, 1302, 2301

Language, Philosophy, & Culture – choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, HIST 2311, 2312, 2321, 2322, HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321

Creative Arts – choose one from: ARTS 1301, 1303, 1304, 1313, DANC 2303, DRAM 1310, 2361, 2362, 2366, MUSI 1306, 1307, 1310

Social and Behavioral Sciences – choose one from: ANTH 2302, 2346, 2351, ECON 2301, 2302, PSYC 2301, SOCI 1301, 1306

Elective – choose one course from any discipline (MATH 1342 or MATH 2413 highly recommended for prerequisite courses into STEM programs at 4 year universities).

*For questions about the university portion of this pathway,  
contact the Biological Sciences department at 254-968-9159.*