**AS Biology Field of Study to Bachelor in Science in Biology – Wildlife Concentration**

**Guided Pathway**

Effective beginning with the 2019-2020 catalog

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

### First Year - Collin College

#### FIRST SEMESTER
- ENGL 1301 Composition I
- MATH 2412 Pre-Calculus Math
- Speech (see list below) – 3 hours
- BIOL 1406 Biology for Science Majors I

#### SECOND SEMESTER
- ENGL 1302 Composition II (or ENG 2311)
- BIOL 1407 Biology for Science Majors II
- 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
- GOVT 2305 Federal Government
- PHYS 1401 College Physics I
- Social/Behavioral Science (see list below) – 3 hours
- CHEM 1412 General Chemistry II

#### SECOND SEMESTER
- GOVT 2306 Texas Government
- PHYS 1402 – College Physics II (PHYS 1302+1102)
- Creative Arts (see list below) – 3 hours
- 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
- WSES 2322 – Principles of Wildlife Conservation & Management (AGRI 2330)

**Third Year – Tarleton State University**

#### FIRST SEMESTER
- BIOL 2300 – Cell Biology
- BIOL 3303 – Genetics
- BIOL 3103 – Genetic Techniques
- MATH 3450 – Principles of Bio-Statistics
- ENGL 3309 – Technical Writing and Document Design

#### SECOND SEMESTER
- BIOL 3407 – Microbiology
- BIOL 3353 – Ecology and Evolution
- BIOL 4430 – Ornithology OR
- BIOL 4440 – Herpetology OR
- BIOL 4451 – Mammalogy OR
- BIOL 4462 – Ichthyology
- BIOL 4430 – Ornithology

Total Semester Hours: 14 Total Semester Hours: 15

### Fourth Year – Tarleton State University

#### FIRST SEMESTER
- BIOL 3436 – Plant Physiology OR
- BIOL 3440 – Invertebrate Zoology
- BIOL 4401 – Ecology
- BIOL 4430 – Ornithology OR
- BIOL 4440 – Herpetology OR
- BIOL 4451 – Mammalogy OR
- BIOL 4462 – Ichthyology

#### SECOND SEMESTER
- BIOL 4398 – Current Topics in the Life Sciences
- BIOL 4420 – Terrestrial Field Ecology
- BIOL 4430 – Ornithology OR
- BIOL 4440 – Herpetology OR
- BIOL 4451 – Mammalogy OR
- BIOL 4462 – Ichthyology
- BIOL 4430 – Ornithology

Total Semester Hours: 12 Total Semester Hours: 11

**TOTAL: 121**

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