



**AS Biology Field of Study to
Bachelor of Science in Biology –
Life Science Teacher Concentration ^T
Guided Pathway**
Effective beginning with the 2019-2020 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	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.

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 2300 – Cell Biology	BIOL 3407 – Microbiology
BIOL 3303 – Genetics	READ 3351 – Content Area Literacy
BIOL 3103 – Genetic Techniques	BIOL 3449 – Invertebrate Zoology (Spring Only)
ENGL 3309 – Technical Writing and Document Design	Advanced BIOL Elective
EDUC 3321 – Foundations of Teaching: Middle & Secondary Classrooms	PSYC 2308 Child Psychology <u>OR</u> PSYC 3303 Educational Psychology <u>OR</u> CHFS 3300 Child Development
BIOL 3353 – Ecology and Evolution	

Total Semester Hours: 16

Total Semester Hours: 17

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 4370 – Analysis of Biological Principles (Fall Only)	BIOL 4398 – Current Topics in the Life Sciences
EDSP 4361 – Models of Instruction	BIOL 3415 – Plant Taxonomy (Spring Only)
EDUC 4331 – Instructional Strategies for Middle & Secondary Classrooms	EDUC 4335 – Issues of Professionalism
BIOL 4401 – Ecology (Fall Only)	EDUC 4690 – Clinical Teaching

Total Semester Hours: 13

Total Semester Hours: 16

TOTAL: 124

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 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.*