



AS in Human Biology to
Bachelor of Science in Biomedical Science
With a Pre-Veterinary Medicine Concentration^T



Guided Pathway
Effective for the 2021-2022 Catalog
First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER	SUMMER SEMESTER
^C MATH 1414 College Algebra (020)	BIOL 1407 Biology for Science Majors II	^C CHEM 1412 General Chemistry II (030)
^C BIOL 1406 Biology for Science Majors I (030)	^C CHEM 1411 General Chemistry I (030)	
^C ENGL 1301 Composition I (010)	^C SPCH 1315, 1318 or 1321 (010)	
^C HIST 1301 United States History I (060)	^C HIST 1302 United States History II (060)	
Total Semester Hours: 14	Total Semester Hours: 14	Total Semester Hours: 4

Second Year – Central Texas College

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
^C BIOL 2421 Microbiology for Science Majors (030)	CHEM 2425 Organic Chemistry II
CHEM 2423 Organic Chemistry I	^C Language/Philosophy/Culture (040)
^C Social/Behavioral Science Selection (080) (TSU requires PSYC 2301 General Psychology)	^C GOVT 2306 Texas Government (070)
^C GOVT 2305 Federal Government (070)	^C Creative Arts Selection (050)
	KINE Physical Activity
Total Semester Hours: 14	Total Semester Hours: 14

AA: Biology – Human Biology

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 CTC (if offered) or TSU	
^C ENGL 1302 Composition II	AGRI 1419 Introductory Animal Science
PHYS 1401 College Physics I (PHYS 1301+1101) <u>or</u> PHYS 2425 University Physics I (PHYS 2325+2125)	PHYS 1402 College Physics II (PHYS 1302+1102) <u>or</u> PHYS 2426 University Physics II (PHYS 2326+2126)
^C MATH 2412 Precalculus Math or MATH 2413 – Calculus I	
Total Semester Hours: 11	Total Semester Hours: 8

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 2300 – Cell Biology	MATH 3450 – Principles of Bio-Statistics
BIOL 3303 – Genetics	BIOL 3353 – Ecology and Evolution
BIOL 3103 – Genetic Techniques	ANSC 3409 – Feeds and Feeding <u>or</u> ANSC 3308 – Principles of Animal Nutrition
BIOL 3406 – Comparative Vertebrate Anatomy	BIOL 4374 (Fall Only) – Biochemistry I
Total Semester Hours: 11	Total Semester Hours: 13

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 4460 – Animal Physiology	BIOL 4375 (Spring Only) – Biochemistry II
ENGL 3309 – Technical Writing and Document Design	BIOL 3380, 3395, 3402 (Summer Only), 3413, 3485, 4340, 4350, 4445, <u>or</u> 4378 (Spring Only)
BIOL 1185 – Career Pathways in Biomedical Science	BIOL 4398 – Current Topics in the Life Sciences
BIOL 3407 – Microbiology	Advanced Elective Course
Total Semester Hours: 12	Total Semester Hours: 12

Total Degree Hours: 127

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.

^C 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.