



AS Biology-Human Biology to  
Bachelor in Science in Biomedical Science –  
Pre-Veterinary Medicine Concentration<sup>T</sup>

**Guided Pathway**

Effective for the 2019-2020 Catalog

**First Year – Central Texas College**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> MATH 1414 College Algebra	BIOL 1407 Biology for Science Majors II
BIOL 1406 Biology for Science Majors I	<sup>C</sup> CHEM 1411 General Chemistry I
<sup>C</sup> ENGL 1301 Composition I	<sup>C</sup> SPCH 1315, 1318 or 1321
<sup>C</sup> HIST 1301 United States History I	<sup>C</sup> HIST 1302 United States History II
Total Semester Hours: 14	Total Semester Hours: 14

**SUMMER SEMESTER**

CHEM 1412 General Chemistry II	
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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
<sup>C</sup> BIOL 2421 Microbiology for Science Majors	CHEM 2425 Organic Chemistry II
CHEM 2423 Organic Chemistry I	<sup>C*</sup> Language/Philosophy/Culture Studies
<sup>C</sup> PSYC 2301 General Psychology	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> GOVT 2305 Federal Government	<sup>C*</sup> Creative Arts Selection
	KINE Physical Activity

Total Semester Hours: 14

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**AS: 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**

<sup>C</sup> ENGL 1302 – Composition II	AGRI 1419 – Introductory Animal Science
PHYS 1401 – College Physics I (PHYS 1301+1101) or PHYS 2425 – University Physics I (PHYS 2325+2125)	PHYS 1402 – College Physics II (PHYS 1302+1102) or PHYS 2426 – University Physics II (PHYS 2326+2126)
<sup>C</sup> MATH 2412 – Precalculus Math or MATH 2413 – Calculus I	

Total Semester Hours: 19

**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 or ANSC 4306 – Animal Nutrition
BIOL 3406 – Comparative Vertebrate Anatomy	BIOL 4374 (Fall Only) – Biochemistry I

Total Semester Hours: 11

Total Semester Hours: 13-14

**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, or 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: 12-13

**TOTAL: 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.

<sup>C</sup> 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.

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

For questions about the university portion of this pathway,  
Contact the Biology Department at 254-968-9159.