



AS Biology-Human Biology to
Bachelor of Science in Biology – Molecular Concentration ^T
Guided Pathway
Effective for the 2019-2020 Catalog



First Year – Central Texas College

FIRST SEMESTER	SECOND SEMESTER	SUMMER SEMESTER
^C MATH 1414 College Algebra	BIOL 1407 Biology for Science Majors II	^C CHEM 1412 General Chemistry II
BIOL 1406 Biology for Science Majors I	^C CHEM 1411 General Chemistry I	
^C ENGL 1301 Composition I	^C SPCH 1315, 1318 or 1321	
^C HIST 1301 United States History I	^C HIST 1302 United States History II	
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	CHEM 2425 Organic Chemistry II
CHEM 2423 Organic Chemistry I	^C Language/Philosophy/Culture Studies
^{C*} Social/Behavioral Science Selection	^C GOVT 2306 Texas Government
^C GOVT 2305 Federal Government	^{C*} Creative Arts Selection
	KINE Physical Activity
Total Semester Hours: 14	Total Semester Hours: 14

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.

Total Semester Hours: 18

These courses may be completed at CTC (if offered) or TSU

^C ENGL 1302 – Composition II	^C MATH 2412 – Pre-Calculus Math
PHYS 1401 – College Physics I (PHYS 1301+1101)	PHYS 1402 – College Physics II (PHYS 1302+1102)
^C First Year Seminar Elective (Learning Frameworks)	

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 3485 – Immunology
MATH 3450 – Principles of Bio-Statistics	
ENGL 3309 – Technical Writing and Document Design	
Total Semester Hours: 14	Total Semester Hours: 11

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 3413 – Molecular Biology (Fall Only)	BIOL 4375 – Biochemistry II
BIOL 3395 – Pathogenic Microbiology (Fall Only)	BIOL 4378 – Biochemistry Lab (Spring Only)
BIOL 4374 – Biochemistry I (Fall Only)	BIOL 3430 – Phycology
BIOL 4398 – Current Topics in the Life Sciences	
Total Semester Hours: 13	Total Semester Hours: 10

Total Degree Hours: 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.

^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

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