



Associate of Science in Biology
Bachelor of Science in Biomedical Sciences –
Pre-Medical/Pre-Dental Concentration ^T



Guided Pathway
Effective for the 2019-2020 Catalog

First Year – Paris Junior College

FIRST SEMESTER	SECOND SEMESTER
^C BIOL 1406 – Biology for Science Majors I (030)	^C BIOL 1407 – Biology for Science Majors II (030)
CHEM 1411 – General Chemistry I	CHEM 1412 – General Chemistry II
EDUC/PSYC 1300 – Learning Frameworks	^C ENGL 1302 – Composition II (010)
^C ENGL 1301 – Composition I (010)	^C MATH 2312 – Pre-Calculus Math (090)
^C MATH 1314 – College Algebra (020)	

Total Semester Hours: 17

Total Semester Hours: 14

Second Year – Paris Junior College

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

FIRST SEMESTER	SECOND SEMESTER
CHEM 2423 – Organic Chemistry I	^C GOVT 2306 – Texas Government (070)
^C GOVT 2305 – Federal Government (070)	^C HIST 1302 – United States History II (060)
^C HIST 1301 – United States History I (060)	^C HIST 2321 – World Civilizations I (040)
PHYS 1401 – College Physics	^C MUSI 1306 – Music Appreciation (050)
	^C PSYC 2314 – Lifespan Growth & Development (080)

Total Semester Hours: 14

Total Semester Hours: 15

AS: 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 PJC or TSU	
^C MATH 2412 – Pre-Calculus Math Core	*Communication Core Elective
PHYS 1402 – College Physics II (PHYS 1302+1102) or PHYS 2426 – University Physics II (PHYS 2326+2126)	CHEM 2425 – Organic Chemistry II (CHEM 2325+1125)
^C PSYC 2301 – General Psychology	

Total Semester Hours: 18

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	BIOL 1185 – Career Pathways in Biomedical Science
BIOL 3406 – Comparative Vertebrate Anatomy	BIOL 4374 (Fall Only) – Biochemistry I

Total Semester Hours: 11

Total Semester Hours: 11

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 4460 – Animal Physiology	BIOL 3380, 3395, 3402 (Summer Only), 3413, 4340, 4350, 4445, 4375 (Spring Only), or 4378 (Spring Only)
ENGL 3309 – Technical Writing and Document Design	BIOL 3485 – Immunology
BIOL 3407 – Microbiology	BIOL 4398 – Current Topics in the Life Sciences
	Advanced Elective Course

Total Semester Hours: 11

Total Semester Hours: 13-14

Total Degree Hours: 124-125

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.

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