



Associate of Science in Biology  
Bachelor of Science in Biomedical Sciences –  
Pre-Pharmacy Concentration<sup>T</sup>



**Guided Pathway**  
Effective for the 2019-2020 Catalog

**First Year – Paris Junior College**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> BIOL 1406 – Biology for Science Majors I (030)	<sup>C</sup> BIOL 1407 – Biology for Science Majors II (030)
CHEM 1411 – General Chemistry I	CHEM 1412 – General Chemistry II
EDUC/PSYC 1300 – Learning Frameworks	<sup>C</sup> ENGL 1302 – Composition II (010)
<sup>C</sup> ENGL 1301 – Composition I (010)	<sup>C</sup> MATH 2312 – Pre-Calculus Math (090)
<sup>C</sup> 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	<sup>C</sup> GOVT 2306 – Texas Government (070)
<sup>C</sup> GOVT 2305 – Federal Government (070)	<sup>C</sup> HIST 1302 – United States History II (060)
<sup>C</sup> HIST 1301 – United States History I (060)	<sup>C</sup> HIST 2321 – World Civilizations I (040)
PHYS 1401 – College Physics	<sup>C</sup> MUSI 1306 – Music Appreciation (050)
	<sup>C</sup> 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**

<sup>C</sup> MATH 2412 – Precalculus Math or MATH 2413 – Calculus I	<sup>*C</sup> Communication Core Elective
PHYS 1402 – College Physics II (PHYS 1302+1102) or PHYS 2426 – University Physics II (PHYS 2326+2126)	MATH 2413 – Calculus I
<sup>C</sup> ECON 2301 – Principles of Macroeconomics	<sup>C</sup> PHIL 1301 – Introduction to Philosophy
CHEM 2425 – Organic Chemistry II (CHEM 2325+1125)	

Total Semester Hours: 25

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
BIOL 2300 – Cell Biology	BIOL 3407 – Microbiology
BIOL 3303 – Genetics	BIOL 1185 – Career Pathways in Biomedical Science
BIOL 3103 – Genetic Techniques	MATH 3450 – Principles of Bio-Statistics
BIOL 3406 – Comparative Vertebrate Anatomy	BIOL 4374 (Fall Only) – Biochemistry I

Total Semester Hours: 11

Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
BIOL 4460 – Animal Physiology	BIOL 3380, 3395, 3402 (Summer Only), 3413, 3485, 4340, 4350, 4445, 4375 (Spring Only), or 4378 (Spring Only)
BIOL 3353 – Ecology and Evolution	BIOL 3380, 3395, 3402 (Summer Only), 3413, 3485, 4340, 4350, 4445, 4375 (Spring Only), or 4378 (Spring Only)
BIOL 4185 – Seminar (Spring Only)	BIOL 4398 – Current Topics in the Life Sciences
	ENGL 3309 – Technical Writing and Document Design

Total Semester Hours: 8

Total Semester Hours: 11-14

Total Degree Hours: 127-130

**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 Biological Sciences department at 254-968-9159.