



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



**Guided Pathway**

Effective for the 2019-2020 Catalog

**First Year – Galveston College**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> ENGL 1301 Composition I	<sup>C</sup> ENGL 1302 Composition II
<sup>C</sup> MATH 2413 Calculus I	<sup>C</sup> MATH 2414 Calculus II
<sup>C</sup> BIOL 1406 General Biology I	<sup>C</sup> BIOL 1407 General Biology II
<sup>C</sup> CHEM 1411 General Chemistry I	<sup>C</sup> CHEM 1412 General Chemistry II
Total Semester Hours: 15	Total Semester Hours: 15

**Second Year – Galveston 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> HIST 1301 US History I	<sup>C</sup> HIST 1302 US History II
* <sup>C</sup> Communication Core Elective	<sup>C</sup> PHIL 1301 – Introduction to Philosophy
<sup>C</sup> GOVT 2305 Federal Government	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> CHEM 2423 Organic Chemistry I	<sup>C</sup> PHYS 1401 College Physics I
<sup>C</sup> Creative Arts Elective	<sup>C</sup> ECON 2301 - Principles of Macroeconomics
Total Semester Hours: 16	Total Semester Hours: 16

**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 taken at Galveston College or TSU	
Elective	<sup>C</sup> First Year Seminar Elective (Learning Frameworks)
<b>PHYS 1402</b> – College Physics II (PHYS 1302+1102) or <b>PHYS 2426</b> – University Physics II (PHYS 2326+2126)	<b>CHEM 2425</b> - Organic Chemistry II (CHEM 2325+1125)
<sup>C</sup> <b>MATH 2412</b> – Precalculus Math	
Total Semester Hours: 16-18	

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>BIOL 2300</b> – Cell Biology	<b>BIOL 3407</b> – Microbiology
<b>BIOL 3303</b> – Genetics	<b>BIOL 1185</b> – Career Pathways in Biomedical Science
<b>BIOL 3103</b> – Genetic Techniques	<b>MATH 3450</b> – Principles of Bio-Statistics
<b>BIOL 3406</b> – Comparative Vertebrate Anatomy	<b>BIOL 4374</b> (Fall Only) – Biochemistry I
Total Semester Hours: 11	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>BIOL 4460</b> – Animal Physiology	<b>BIOL 3380, 3395, 3402</b> (Summer Only), <b>3413, 3485, 4340, 4350, 4445, 4375</b> (Spring Only), or <b>4378</b> (Spring Only)
<b>BIOL 3353</b> – Ecology and Evolution	<b>BIOL 3380, 3395, 3402</b> (Summer Only), <b>3413, 3485, 4340, 4350, 4445, 4375</b> (Spring Only), or <b>4378</b> (Spring Only)
<b>BIOL 4185</b> – Seminar (Spring Only)	<b>BIOL 4398</b> – Current Topics in the Life Sciences
Total Semester Hours: 8	Total Semester Hours: 12-14

TOTAL: 121-125

**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.

<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>†</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.