

**Associate of Science in Chemistry to  
Bachelor of Science in Chemistry  
With a Biochemistry Concentration †  
Guided Pathway  
Effective for the 2021-2022 Catalog**

**First Year – Tyler Junior College**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> CHEM 1411 General Chemistry I	<sup>C</sup> CHEM 1412 General Chemistry II
<sup>C</sup> ENGL 1301 Composition I	<sup>C</sup> ENGL 1302 Composition II*
<sup>C</sup> HIST 1301 United States History I	<sup>C</sup> HIST 1302 United States History II*
<sup>C</sup> EDUC 1300 Learning Framework*	MATH 2413 Calculus I
<sup>C</sup> MATH 1314 College Algebra*	

Total Semester Hours: 16

Total Semester Hours: 14

**Second Year – Tyler Junior College**

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

FIRST SEMESTER	SECOND SEMESTER
CHEM 2423 Organic Chemistry I	CHEM 2425 Organic Chemistry II
<sup>C</sup> GOVT 2305 Federal Government	<sup>C</sup> GOVT 2306 Texas Government
MATH 2414 Calculus II*	<sup>C</sup> SPCH 1315 Public Speaking*
<sup>C</sup> Creative Arts Core <sup>2</sup>	<sup>C</sup> Language, Philosophy & Culture <sup>3</sup>
	<sup>C</sup> Social and Behavioral Sciences Core <sup>4</sup>

Total Semester Hours: 14

Total Semester Hours: 16

**AS: Chemistry**

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 TJC (if offered) or TSU**

BIOL 1406 Biology for Science Majors I	BIOL 1407 Biology for Science Majors II
PHYS 1401 College Physics I	PHYS 1402 College Physics II
BCIS <u>or</u> COSC Elective (3 credit min)	
Total Semester Hours: 11	Total Semester Hours: 8

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Total Semester Hours: 12	Total Semester Hours: 12

**Fourth Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	Tarleton Course
Tarleton Course	
Total Semester Hours: 12	Total Semester Hours: 10

Total Degree Hours: 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.

<sup>1</sup>Science options for the TJC core include: BIOL 1406, 1407, 1408, 1409, 1411, 2401, 2402, 2404, 2406; CHEM 1405, 1406, 1411, 1412; GEOL 1401, 1403, 1404; PHYS 1401, 1403, 1404, 1405, 2425, 2426.

<sup>2</sup>Creative Arts options: ARTS 1301, DANC 2303, DRAM 1310, MUSI 1306, MUSI 1310.

<sup>3</sup>Language, Philosophy & Culture options: DANC 1305; ENGL 2322, 2323, 2327, 2328, 2332, 2333; HIST 2311, 2312; HUMA 1301; PHIL 1301, 1304, 2306.

<sup>4</sup>S/BS Core options: COMM 1307, CRIJ 1301, ECON 2301, GEOG 1303, PSYC 2301, PSYC 2314, SOCI 1301

( ) Course numbers shown in parentheses are equivalent to these courses at Tarleton State University.

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