

**Associate of Science in Chemistry to  
Bachelor of Science in Chemistry  
With an Interdisciplinary 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* (TSU requires SPCH 1321 Business and Professional 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 OR BIOL 1407 Biology for Science Majors II OR GEOL 1403 Physical Geology OR GEOL 1404 Historical Geology OR GEOL 1407 (GEOL 1405) Intro to Environmental Science	PHYS 1402 College Physics II
PHYS 1401 College Physics I	Support Field Elective (4 credit min)
Support Field 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	Tarleton Course
Total Semester Hours: 12	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.

<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.