



Associate of Science-Chemistry to  
Bachelor of Science in Chemistry  
Chemistry Teacher Certification 8-12 Concentration<sup>T</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> HIST 1301 US History I	<sup>C</sup> HIST 1302 US History II
<sup>C</sup> MATH 2413 Calculus I	<sup>C</sup> MATH 2414 Calculus II
<sup>C</sup> CHEM 1411 General Chemistry I	<sup>C</sup> CHEM 1412 General Chemistry II
Total Semester Hours: 14	Total Semester Hours: 14

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> GOVT 2305 Federal Government	<sup>C</sup> Social & Behavioral Science Elective
<sup>C</sup> CHEM 2423 Organic Chemistry I	<sup>C</sup> GOVT 2306 Texas Government
<sup>C</sup> PHYS 2425 University Physics I	<sup>C</sup> CHEM 2425 Organic Chemistry II
<sup>C</sup> Communication Core Elective	<sup>C</sup> PHYS 2426 University Physics II
<sup>C</sup> Language, Philosophy & Culture Elective	<sup>C</sup> Creative Arts Elective
Total Semester Hours: 15	Total Semester Hours: 17

**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 GC or TSU**

<b>GEOL 1407</b> – Intro to Environmental Science (GEOL 1305+1105 or GEOL 1405)	BCIS or COSC Elective (3 credits)
<sup>C</sup> First Year Seminar Elective (Learning Frameworks)	General Elective (3 credits)
<b>PHYS 1401</b> – College Physics I (PHYS 1301+1101)	<b>PHYS 1402</b> – College Physics II (PHYS 1302+1102)
<b>PSYC 2308</b> – Child Psychology	

Total Semester Hours: 22-24

**Third Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>CHEM 3407</b> – Quantitative Analysis (Fall only)	<b>CHEM 4408</b> – Instrumental Analysis (Spring only)
<b>CHEM 4160</b> – Lab Safety & Ethics	<b>ENGL 3309</b> – Technical Writing and Document Design
<b>EDUC 3320</b> – Foundations of Teaching: Elementary (EC-6)	<b>EDUC 3330</b> – Models of Instruction
	<b>READ 3351</b> – Content Area Literacy

Total Semester Hours: 8

Total Semester Hours: 13

**Fourth Year – Tarleton State University**

FIRST SEMESTER	SECOND SEMESTER
<b>CHEM 3423</b> – Physical Chemistry I (Fall only)	<b>EDUC 4335</b> – Issues of Professionalism
<b>EDUC 4330</b> – Application of Effective Teaching Practices	<b>EDUC 4690</b> – Clinical Teaching
Advanced Elective (3 credits)	Advanced CHEM Elective (3 credits)
Advanced CHEM Elective (2 credits)	

Total Semester Hours: 12

Total Semester Hours: 12

TOTAL: 127-129

**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.