



Associate of Science-Chemistry to
Bachelor of Science in Chemistry
Physical Science Teacher Certification Concentration^T
Guided Pathway
Effective for the 2019-2020 Catalog
First Year – Galveston College



FIRST SEMESTER	SECOND SEMESTER
^C ENGL 1301 Composition I	^C ENGL 1302 Composition II
^C HIST 1301 US History I	^C HIST 1302 US History II
^C MATH 2413 Calculus I	^C MATH 2414 Calculus II
^C CHEM 1411 General Chemistry I	^C 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
^C GOVT 2305 Federal Government	^C Social & Behavioral Science Elective
^C CHEM 2423 Organic Chemistry I	^C GOVT 2306 Texas Government
^C PHYS 2425 University Physics I	^C CHEM 2425 Organic Chemistry II
Elective	^C PHYS 2426 University Physics II
^C Language, Philosophy & Culture Elective	^C 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

GEOL 1407 – Intro to Environmental Science (GEOL 1305+1105 or GEOL 1405)	^C Communication Core Elective
^C First Year Seminar Elective (Learning Frameworks)	BCIS or COSC Elective
PSYC 2308 – Child Psychology	

Total Semester Hours: 14-16

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
CHEM 3407 – Quantitative Analysis (Fall only)	CHEM 4408 – Instrumental Analysis (Spring only)
CHEM 4160 – Lab Safety & Ethics	ENGL 3309 – Technical Writing and Document Design
EDUC 3320 – Foundations of Teaching: Elementary (EC-6)	EDUC 3330 – Models of Instruction
READ 3351 – Content Area Literacy	PHYS 3334 – Modern Physics I

Total Semester Hours: 11

Total Semester Hours: 13

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
CHEM 3423 – Physical Chemistry I (Fall only)	EDUC 4335 – Issues of Professionalism
EDUC 4330 – Application of Effective Teaching Practices	EDUC 4690 – Clinical Teaching
Advanced CHEM Elective	MATH 3306 – Differential Equations OR MATH 3433 – Calculus III

Total Semester Hours: 10

Total Semester Hours: 12-13

TOTAL: 120-123

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.

^C 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.

^T Degree availability varies by campus; consult www.tarleton.edu for more information.

For questions about the University portion of this pathway, contact the Chemistry, Geoscience and Physics department at 254-968-9143.