



Associate of Science-Chemistry to
Bachelor of Science in Chemistry
Pre-Medical and Pre-Dental 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

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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
^C Communication Core 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

General Elective	BIOL 1407 – General Biology II (BIOL 1307+1107)
BIOL 1406 – General Biology (BIOL 1306+1106)	PHYS 1401 – College Physics I (PHYS 1301+1101)
^C First Year Seminar Elective (Learning Frameworks)	PHYS 1402 – College Physics II (PHYS 1302+1102)

Total Semester Hours: 20-22

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 3303 – Genetics	CHEM 4408 – Instrumental Analysis (Spring only)
BIOL 3103 – Genetic Techniques	BIOL 3407 – Microbiology
CHEM 3407 – Quantitative Analysis (Fall only)	BIOL 4185 – Seminar (Spring only)
CHEM 4345 – Medicinal Chemistry (Fall only)	MATH 3450 – Principles of Biostatistics

Total Semester Hours: 11

Total Semester Hours: 13

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 4460 – Animal Physiology	CHEM 4375 – Biochemistry II (Spring only)
CHEM 3423 – Physical Chemistry I (Fall only)	BIOL 3485 – Immunology
CHEM 4374 – Biochemistry I (Fall only)	ENGL 3309 – Technical Writing and Document Design
CHEM 4160 – Lab Safety & Ethics	

Total Semester Hours: 12

Total Semester Hours: 10

TOTAL: 126-128

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.