



Associate of Science-Chemistry to
Bachelor of Science in Chemistry – Biochemistry 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
BIOL 1406 Biology for Science Majors I	^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

^C First Year Seminar Elective (Learning Frameworks)	BIOL 1407 – General Biology II (BIOL 1307+1107)
^C Communication Core Elective	PHYS 1402 – College Physics II (PHYS 1302+1102)
PHYS 1401 – College Physics I (PHYS 1301+1101)	BCIS or COSC Elective (3 credits)

Total Semester Hours: 19-21

Third Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 3303 – Genetics	CHEM 4160 – Lab Safety & Ethics
BIOL 3103 – Genetic Techniques	CHEM 4408 – Instrumental Analysis
CHEM 3407 – Quantitative Analysis (Fall only)	BIOL 3407 - Microbiology
CHEM 4327 – Quantitative Organic Analysis (Spring only) <u>OR</u>	Advanced Elective (3 credits)
CHEM 4345 – Medicinal Chemistry (Fall only)	
ENGL 3309 – Technical Writing and Document Design	

Total Semester Hours: 14

Total Semester Hours: 12

Fourth Year – Tarleton State University

FIRST SEMESTER	SECOND SEMESTER
BIOL 3413 - Molecular Biology (Fall only)	BIOL 4378 – Biochemistry Lab (Spring only)
CHEM 3423 – Physical Chemistry I (Fall only)	CHEM 4375 – Biochemistry II (Spring only)
CHEM 4374 – Biochemistry I (Fall only)	Advanced Elective (3 credits)

Total Semester Hours: 11

Total Semester Hours: 9

TOTAL: 125-127

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.