

AS General Studies-Chemistry Emphasis to

Bachelor of Science in Chemistry Pre-Pharmacy Concentration T



Effective beginning with the 2019-2020 catalog



First Year - Collin College

(Developmental coursework may be required.)

FIRST SEMESTER	SECOND SEMESTER
^c ENGL 1301 Composition I	^c ENGL 1302 Composition II (or ENG 2311)
^C MATH 2413 Calculus I	^c CHEM 1412 General Chemistry II
^c Speech (see list below) – 3 hours	^c Lang, Phil, & Culture (see list below) - 3 hours
^c History (see list below) – 3 hours	^c History (see list below) – 3 hours
^C CHEM1411 General Chemistry I	MATH 2414 Calculus II (090)

Total Semester Hours: 17

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Second Year - Collin 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 GOVT 2306 Texas Government
CHEM 2423 Organic Chemistry I	^c Creative Arts (see list below) – 3 hours
^c Social/Behavioral Science (see list below) -3 hours	CHEM 2425 Organic Chemistry II
MATH 2425 Calculus III	MATH 2320 Differential Equations

Total Semester Hours: 14

Total Semester Hours: 13

AS in General Studies – Chemistry Emphasis

Contact your advisor at Collin College for information about applying for your Associate's degree.

Total Semester Hours: 22

These courses may be completed at CC or TSU		
BIOL 1406 – General Biology (BIOL 1306+1106)	BIOL 1407 – General Biology II (BIOL 1307+1107)	
PHYS 1401 – College Physics I (PHYS 1301+1101)	PHYS 1402 – College Physics II (PHYS 1302+1102)	
*CFirst Year Seminar Elective (Learning Frameworks)	ECON 2301 – Principles of Microeconomics <u>OR</u>	
	PSYC 2301 – General Psychology <u>OR</u>	
	PSYC 2314 – Lifespan Growth and Development	

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)	MATH 3450 – Principles of Biostatistics
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 Physiology (Fall only)	Advanced CHEM Elective
CHEM 3423 – Physical Chemistry I (Fall only)	Advanced CHEM Elective
CHEM 4374 – Biochemistry I (Fall only)	BIOL 4375 – Biochemistry II (Spring only) <u>OR</u>
	BIOL 4378 – Biochemistry Lab (Spring only)
CHEM 4160 – Lab Safety & Ethics	

Total Semester Hours: 12

Total Semester Hours: 8 Total Degree Hours: 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.

This course counts for the Core Curriculum at any public college or university in Texas.

Ocurse numbers shown in parentheses are equivalent to these courses at Tarleton State University. Degree availability varies by campus; consult www.tarleton.edu for more information.

Collin Options:

Speech - choose one from: SPCH 1311, 1315, or 1321

History - choose two from: HIST 1301, 1302, 2301

Language, Philosophy, & Culture - choose one from: ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, HIST 2311, 2312, 2321, 2322, HUMA 1301, PHIL 1301, 1304, 2303, 2306, 2307, 2321 Creative Arts - choose one from: ARTS 1301, 1303, 1304, 1313, DANC 2303, DRAM 1310, 2361, 2362, 2366, MUSI 1306, 1307, 1310

Social and Behavioral Sciences - choose one from: ANTH 2302, 2346, 2351, ECON 2301, 2302, PSYC 2301, SOCI 1301, 1306