



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



Guided Pathway

Effective for the 2019-2020 Catalog

First Year – Paris Junior College

FIRST SEMESTER	SECOND SEMESTER
^C CHEM 1411 – General Chemistry (030)	^C ARTS 1301 – Art Appreciation (050)
EDUC/PSYC 1100 – Learning Frameworks	^C CHEM 1412 – General Chemistry II (030)
^C ENGL 1301 – Composition I (010)	^C ENGL 1302 – Composition II (010)
^C HIST 1301 – United States History I (060)	^C HIST 1302 – United States History II (060)
^C MATH 2413 – Calculus I (020)	^C MATH 2414 – Calculus II (090)

Total Semester Hours: 15

Total Semester Hours: 17

Second Year – Paris Junior College

It's best to apply to Tarleton State University a full semester before you plan to transfer.

FIRST SEMESTER	SECOND SEMESTER
CHEM 2423 – Organic Chemistry I	CHEM 2425 – Organic Chemistry II
^C ECON 2301 – Principles of Macroeconomics (080)	^C GOVT 2306 – Texas Government (070)
^C GOVT 2305 – Federal Government (070)	^C HIST 2321 – World Civilizations I (040)
PHYS 2425 – University Physics I	PHYS 2426 – University Physics II

Total Semester Hours: 14

Total Semester Hours: 14

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 taken at Paris Junior College 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)	^C Communication Core Elective
	PHYS 1402 – College Physics II (PHYS 1302+1102)

Total Semester Hours: 19

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: 125

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.