



Associate of Science in Chemistry to  
Bachelor of Science in Chemistry  
Physical Science Teacher Certification Concentration <sup>T</sup>



**Guided Pathway**

Effective for the 2019-2020 Catalog

**First Year – Paris Junior College**

FIRST SEMESTER	SECOND SEMESTER
<sup>C</sup> CHEM 1411 – General Chemistry (030)	<sup>C</sup> ARTS 1301 – Art Appreciation (050)
EDUC/PSYC 1100 – Learning Frameworks	<sup>C</sup> CHEM 1412 – General Chemistry II (030)
<sup>C</sup> ENGL 1301 – Composition I (010)	<sup>C</sup> ENGL 1302 – Composition II (010)
<sup>C</sup> HIST 1301 – United States History I (060)	<sup>C</sup> HIST 1302 – United States History II (060)
<sup>C</sup> MATH 2413 – Calculus I (020)	<sup>C</sup> 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
<sup>C</sup> ECON 2301 – Principles of Macroeconomics (080)	<sup>C</sup> GOVT 2306 – Texas Government (070)
<sup>C</sup> GOVT 2305 – Federal Government (070)	<sup>C</sup> HIST 2321 – World Civilizations I (040)
PHYS 2425 – University Physics I	PHYS 2426 – University Physics II

Total Semester Hours: 14

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**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**

GEOL 1407 – Intro to Environmental Science (GEOL 1305+1105 or GEOL 1405)	<sup>C</sup> Communication Core Elective
Elective	BCIS or COSC Elective
PSYC 2308 – Child Psychology	

Total Semester Hours: 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 <u>OR</u>
	MATH 3433 – Calculus III

Total Semester Hours: 10

Total Semester Hours: 12-13

**TOTAL: 122**

**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.

<sup>C</sup> 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.

<sup>T</sup> Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.