## Associate of Science to Bachelor of Science in Chemistry Professional Concentration

### Guided Pathway

Effective for the 2019-2020 catalog

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### First Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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ENGL 1301 – Composition I (010) | ENGL 1302 – Composition II (010) |
| MATH 2413 – Calculus I* (020) | HIST 1301 – United States History I (060) |
| EDUC 1300 – Learning Framework† | MATH 2414 – Calculus II |
| CHEM 1411 – General Chemistry I (030) | CHEM 1412 – General Chemistry II (030) |

Total Semester Hours: 14

### Second Year – Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland College

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

#### First Semester

Choose One:

- ENGL 2331 – World Literature (040)
- PHIL 1301 – Introduction to Philosophy (040)
- PHIL 2306 – Introduction to Ethics (040)

CHEM 2423 – Organic Chemistry I++

#### Second Semester

Choose One:

- ANTH 2346 – General Anthropology (080)
- COMM 2301 – Introduction to Mass Communication* (080)
- ECON 2301 – Principles of Macroeconomics* (080)
- PSYC 2301 – General Psychology (080)
- SOCI 1301 – Introduction to Sociology (080)

PHYS 2425 – University Physics I

### Third Year – Tarleton State University

#### First Semester

CHEM 3407 – Quantitative Analysis (Fall only)

#### Second Semester

CHEM 4328 – Inorganic Chemistry (Spring Only)

#### First Semester

CHEM 4374 – Biochemistry I (Fall only)

#### Second Semester

CHEM 4408 – Instrumental Analysis (Spring only)

#### First Semester

CHEM 4160 – Lab Safety & Ethics

#### Second Semester

CHEM 4378 – Biochemistry Lab (Spring Only)

#### First Semester

ENGL 3309 – Technical Writing and Document Design

#### Second Semester

CHEM 3424 – Physical Chemistry II (Spring Only)

Advanced Elective

Advanced Elective

Total Semester Hours: 14

### Fourth Year – Tarleton State University

#### First Semester

CHEM 3423 – Physical Chemistry I (Fall only)

#### Second Semester

CHEM 4327 – Qualitative Organic Analysis (Spring Even)

Advanced CHEM Elective

Advanced CHEM Elective

Total Semester Hours: 10

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**Notes:**

1. This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.
2. Part-time students may also follow this sequence. Developmental coursework may be required.
3. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by one of the seven colleges of the OCCC, awarding the degree.
4. All college students with fewer than 12 semester credit hours of successful college credit (grade of “C” or above) should take a student success course in the first semester.
5. To register for MATH 2413, students must have completed the prerequisite math courses as follows: MATH 1314, MATH 1316, MATH 2412
6. *You may use this pathway if you entered one of the seven colleges on or before this date.
7. Developmental coursework may be required.
8. You must earn a grade of "C" or better in English 1301 and the selected college-level mathematics course and receive a GPA of at least 2.00 on all college-level course work.
9. Degree availability varies by campus; consult [www.tarleton.edu](http://www.tarleton.edu) for more information.

Approved: 2019-2020 Guided Pathway