

This pathway leads from an Chemistry A.S. (TTP) degree from Chattanooga State Community College to a Bachelor of Science degree with a major in Chemistry: Chemistry from the University of Tennessee at Chattanooga.

**Chattanooga State Community College**

| <b>First Year – 34 Hours</b>   |            |   |            |
|--|------------|---|------------|
| <i>Fall Semester:</i>  | <b>Hrs</b> | <i>Spring Semester:</i>   | <b>Hrs</b> |
| ENGL 1010: English Composition I   | 3          | ENGL 1020: English Composition II*  | 3          |
| CHEM 1110: General Chemistry I   | 4          | CHEM 1120: General Chemistry II*  | 4          |
| MATH 1910: Calculus I  | 4          | MATH 1920: Calculus II*   | 4          |
| History to satisfy Gen Ed  | 3          | History to satisfy Gen Ed   | 3          |
| Humanities/Fine Arts to satisfy Gen Ed                                     | 3          | Humanities/Fine Arts to satisfy Gen Ed  | 3          |
|  | 17         |   | 17         |
| <b>Second Year – 28 Hours</b>  |            |   |            |
| <i>Fall Semester:</i>  | <b>Hrs</b> | <i>Spring Semester:</i>   | <b>Hrs</b> |
| CHEM 2010: Organic Chemistry I   | 4          | CHEM 2020: Organic Chemistry II*  | 4          |
| PHYS 2110: Calculus-Based Physics I (or PHYS 2010: Non-Calculus Physics I) | 4          | PHYS 2120: Calculus-Based Physics II (or PHYS 2020: Non-Calculus Physics II)* | 4          |
| COMM 2025: Fundamentals of Communication                                   | 3          | Literature to satisfy Gen Ed  | 3          |
| Social/Behavioral Science to satisfy Gen Ed**                              | 3          | Social/Behavioral Science to satisfy Gen Ed**                                 | 3          |
|  | 14         |   | 14         |

\* Must earn a C or better grade

\*\*Students who select the Chemistry TTP with the intention to concentrate in pre-med or other pre-health related fields are strongly recommended to take PSYC 1030 and SOCI 1010

Students should verify Chattanooga State Community College graduation requirements per catalog

**University of Tennessee at Chattanooga**

| <b>Third Year – 30-32 Hours</b>  |            |   |            |
|--|------------|---|------------|
| <i>Fall Semester:</i>  | <b>Hrs</b> | <i>Spring Semester:</i>   | <b>Hrs</b> |
| CHEM 3210/3210L: Quantitative Analysis/Lab                             | 4          | CHEM 4510: Biochemistry   | 3          |
| CHEM 3710/3710L: Physical Chemistry I/Lab                              | 4          | CHEM 3720/3720L: Physical Chemistry II/Lab  | 4          |
| CHEM 3820: Chemical Literature   | 1          | CHEM 2810: Scientific Communication   | 2          |
| MATH 2200: Elementary Linear Algebra                                   | 3          | Elective  | 3          |
| Foreign Language Sequence I***   | 3-4        | Foreign Language Sequence II***   | 3-4        |
|  | 15-16      |   | 15-16      |
| <b>Fourth Year – 28-30 Hours</b>                                       |            |   |            |
| <i>Fall Semester:</i>  | <b>Hrs</b> | <i>Spring Semester:</i>   | <b>Hrs</b> |
| CHEM 3310: Inorganic Chemistry   | 3          | CHEM 4320/4320L: Advanced Inorganic Chemistry/Lab   | 4          |
| CHEM 4230/4230L: Instrumental Analysis/Lab                             | 4          | Approved Chemistry Research Elective  | 1          |
| MATH 2100: Introductory Statistics<br>or MATH 3100: Applied Statistics | 3          | CHEM 4030: Advance Organic Chemistry, 4220: Methods of Environ. Analysis, or 4530: Proteins & Nucleic Acids | 4          |
| CHEM 4830r: Seminar  | 1          | Elective  | 3          |
| Elective   | 3          | Elective  | 2          |
|  |            | Elective  | 0-2        |
|  | 14         |   | 14-16      |

\*\*\*One year sequence of a single foreign language

| <b>Completed:</b>                   |  |                               |  |
|-------------------------------------|--|-------------------------------|--|
| <b>Graduation Requirements:</b>     |  | <b>Degree Requirements:</b>   |  |
| 120 Total Hours                     |  | 30 General Education Hours    |  |
| 39 Upper Division (3000-4000) Hours |  | 73 Program (Major) Hours      |  |
| 30 Hours at UTC                     |  | Minor ( <i>Not Required</i> ) |  |
| 60 Hours at 4-year institution      |  | 11-13 Elective Hours          |  |
|                                     |  | 6-8 Foreign Language Hours    |  |

This Transfer Path is a supplemental resource only. Students should consult their catalog year for official lists of general education courses, program requirements, pre-requisites, and co-requisites.