

***B.S.C.E. Civil Engineering: Environmental***

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

**Chattanooga State Community College**

| <b>First Year – 33 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          |
| Social/Behavioral Science to satisfy Gen Ed          | 3          | CHEM 1110: General Chemistry I            | 4          |
| MATH 1910: Calculus I*                               | 4          | MATH 1920: Calculus II*                   | 4          |
| Humanities/Fine Arts to satisfy Gen Ed               | 3          | Humanities/Fine Arts to satisfy Gen Ed    | 3          |
| History to satisfy Gen Ed                            | 3          | History to satisfy Gen Ed                 | 3          |
|  | 16         |   | 17         |
| <b>Second Year – 33 Hours</b>                        |            |   |            |
| <i>Fall Semester:</i>                                | <b>Hrs</b> | <i>Spring Semester:</i>                   | <b>Hrs</b> |
| ENGR 2110: Statics*                                  | 3          | ENGR 2120: Dynamics*                      | 3          |
| Social/Behavioral Science to satisfy Gen Ed          | 3          | PHYS 2120: Calculus-Based Physics II      | 4          |
| PHYS 2110: Calculus-Based Physics I*                 | 4          | MATH 2120: Differential Equations         | 3          |
| MATH 2050: Calculus based Probability and Statistics | 3          | MATH 2010: Introduction to Linear Algebra | 3          |
| MATH 2110: Calculus III                              | 4          | Literature to satisfy Gen Ed              | 3          |
|  | 17         |   | 16         |

\* Must earn a C or better grade

Students should verify Chattanooga State Community College graduation requirements.

**University of Tennessee at Chattanooga**

| <b>Third Year – 37 Hours</b>                     |            |  |            |
|--|------------|--|------------|
| <i>Fall Semester:</i>                            | <b>Hrs</b> | <i>Spring Semester:</i>                        | <b>Hrs</b> |
| ENCE 1010: Intro to Civil Engineering            | 2          | ENCE 3610/3610L: Soil Mechanics/Lab            | 4          |
| ENCE 1020: Intro to Engineering Graphics         | 1          | ENCE 3640: Structural Analysis I               | 3          |
| ENCE 2460/2460L: Mechanics of Materials/Lab      | 4          | ENCE 2620/2620L: Intro to Geomatics/Lab        | 3          |
| ENCE 2010: Intro to Environmental Engineering    | 3          | ENME 2240: Intro to Engineering Computations   | 3          |
| ENME 3070/3070L: Fluid Mechanics/Lab             | 4          | Engineering Specialty Elective (3000 Level)    | 3          |
| ENME 1030/1030L: Basic Engineering Science/Lab   | 4          | ENCE 3380: Water Resources Engineering         | 3          |
|  | 18         |  | 19         |
| <b>Fourth Year – 37-38 Hours</b>                 |            |  |            |
| <i>Fall Semester:</i>                            | <b>Hrs</b> | <i>Spring Semester:</i>                        | <b>Hrs</b> |
| ENCE 3850: Interdisciplinary Design Project I    | 3          | ENCE 4850: Interdisciplinary Design Project II | 3          |
| ENCE 3620: Transportation Engineering I          | 3          | ENCE 4480: Urban Stormwater Management         | 3          |
| ENCE 4610: Foundation Analysis Design            | 3          | ENCE 4380: Wastewater and Water Treatment      | 3          |
| Approved Environmental Engineering Elective      | 3-4        | ENCE 3520: Engineering Economy                 | 3          |
| ENCE 3500/3500L: Civil Engineering Materials/Lab | 4          | ENCE 3680: Design of Concrete Structures       | 3          |
| Approved Science Elective                        | 3-4        | Engineering Specialty Elective (4000 Level)    | 3          |
|  | 19-21      |  | 18         |

| <b>Completed:</b>                   |  |  |  |
|-------------------------------------|--|--|--|
| <b>Graduation Requirements:</b>     |  | <b>Degree Requirements:</b>                    |  |
| 128 Total Hours                     |  | 21 General Education Hours                     |  |
| 39 Upper Division (3000-4000) Hours |  | 106-107 Program (Major) Hours                  |  |
| 30 Hours at UTC                     |  | Minor Hours ( <i>Not Required</i> )            |  |
| 45 Hours at 4-year institution      |  | Elective Hours ( <i>Not Required</i> )         |  |
|                                     |  | Foreign Language Hours ( <i>Not Required</i> ) |  |

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.