

| SUNY Canton Civil Engineering Technology AAS 517 |                                               |           | Fall 2026 |       |
|--------------------------------------------------|-----------------------------------------------|-----------|-----------|-------|
| 1 <sup>st</sup> Semester                         |                                               | Credit    | Term      | Grade |
| ENGS 101                                         | Introduction to Engineering                   | 2         |           |       |
| SOET 116                                         | Intro to Computer Aided Dr+D                  | 2         |           |       |
| CONS 101                                         | Elementary Surveying                          | 4         |           |       |
| MATH 123                                         | Pre-Calculus <sup>1</sup>                     | 4         |           |       |
| ENGL 101                                         | Composition and the Spoken Word (GER ½)       | 3         |           |       |
|                                                  |                                               | <b>15</b> |           |       |
| 2 <sup>nd</sup> Semester                         |                                               |           |           |       |
| CONS 201                                         | Civil Engineering Software Topics             | 3         |           |       |
| SOET 250                                         | Intro to 3D CADD and BIM                      | 2         |           |       |
| PHYS 131                                         | University Physics I                          | 3         |           |       |
| PHYS 135                                         | University Physics I Lab                      | 1         |           |       |
| MATH 161                                         | Calculus I <sup>1</sup>                       | 4         |           |       |
|                                                  | GenEd Elective (GER 6, 7, 8, 9, 10, 11)       | 3         |           |       |
|                                                  |                                               | <b>16</b> |           |       |
| 3 <sup>rd</sup> Semester                         |                                               |           |           |       |
| ENGS 201                                         | Statics                                       | 3         |           |       |
| CONS 280                                         | Civil Engineering Materials                   | 3         |           |       |
| CONS 222                                         | Construction Estimating                       | 2         |           |       |
| PHYS 132                                         | University Physics II                         | 3         |           |       |
| PHYS 136                                         | University Physics II Lab                     | 1         |           |       |
|                                                  | Diversity (GER 3)                             | 3         |           |       |
|                                                  |                                               | <b>15</b> |           |       |
| 4 <sup>th</sup> Semester                         |                                               |           |           |       |
| CONS 216                                         | Soils in Construction <sup>2</sup>            | 4         |           |       |
| ENGS 203                                         | Strength of Materials                         | 3         |           |       |
| CONS 275                                         | Strength of Materials Lab                     | 1         |           |       |
| CONS 322                                         | Hydraulics                                    | 4         |           |       |
| CONS 274                                         | Construction Management                       | 3         |           |       |
| CONS 282                                         | Introduction to Structural Engineering Design | 3         |           |       |
|                                                  |                                               | <b>18</b> |           |       |
| <b>Total Required Program Credits</b>            |                                               | <b>64</b> |           |       |

Notes:

<sup>1</sup> Math leveling. If leveled higher at MATH 161, will take MATH 161, MATH 162, MATH 263, and MATH 364

<sup>2</sup> Writing Intensive

**Graduation Requirements: Total Semester Credit Hours – 64      Minimum G.P.A. 2.0**