



METROPOLITAN STATE UNIVERSITY
OF DENVER
College of Professional Studies

Civil Engineering Technology, B.S. - Structures Concentration

Minor (not required)

Fall 2020 Catalog Year

| First Year | | |
|-----------------------|---|--|
| Fall: 16 Credits | COMM 1010 (3) Presentational Speaking OR | |
| | COMM 1100 (3) Fundamentals of Oral Communication | |
| | CET 1100 (3) Introduction to Civil Engineering Technology OR | |
| | CET 1040 (3) Introduction to Engineering | |
| | Historical (3) MC or GD recommended | |
| | MTH 1410 (4) Calculus I | |
| | ENG1010 Composing Arguments (3) | |
| Spring: 15 Credits | CET 1215 (3) Engineering Graphics | |
| | MTH 2410 (4) Calculus II | |
| | PHY 2311 (4) General Physics I AND | |
| | PHY 2321 (1) General Physics I Laboratory | |
| | ENG1020 Research & Argument Writing (3) | |

| Second Year | | |
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| Fall: 18 Credits | ARCH 2003 (3) Building Structures | |
| | CET 2150 (3) Mechanics I - Statics | |
| | MTH 2420 (4) Calculus III | |
| | CHE 1100 (4) Principles of Chemistry AND | |
| | CHE 1150 (1) Principles of Chemistry Laboratory | |
| | JMP 2610 (3) Introduction to Technical Writing | |
| Spring: 15 Credits | CET 3135 (4) Mechanics of Materials with Laboratory | |
| | MET 3160 (3) Mechanics II - Dynamics | |
| | ECO 2020 (3) Principles of Microeconomics | |
| | PHY 2331 (4) General Physics II AND | |
| | PHY 2341 (1) General Physics II Laboratory | |

| Third Year | | |
|-----------------------|---|--|
| Fall: 15 Credits | CET 3120 (3) Engineering Economy | |
| | CET 3185 (3) Fluid Mech I for Civil Engineering Technology (Fall) | |
| | MET 3110 (3) Thermodynamics | |
| | EET 2350 (3) Advanced Technical Programming | |
| | CET 4570 (3) Engineering Law | |
| Spring: 15 Credits | CET 3190 (3) Fluid Mechanics II for CET (spring) | |
| | CET 3170 (3) Intro to Structural Analysis (Sp21, Fa21, Su22) | |
| | CET 4150 (3) Highway Engineering and Surveying | |
| | CET 3330 (3) Environmental Tech Processes | |
| | Arts & Humanities (3) | |

| Fourth Year | | |
|-----------------------|---|--|
| Fall: 17 Credits | CET 4100 (1) Senior Project I (Summer and Fall) | |
| | CET 4120 (3) Concrete Design I (Fall) | |
| | CET 4400 (3) Steel Design I (Fall) | |
| | PHI 3360 (3) Business Ethics OR | |
| | PHI 1030 (3) Introduction to Ethics | |
| | CET 4130 (4) Soil Mechanics (Fall) | |
| | Social & Behavioral Sciences (3) MC or GD Recommended | |
| Spring: 17 Credits | CET 4450 (3) Timber Design | |
| | CET 4110 (2) Senior Project II (Spring and Summer) | |
| | CET 4135 (3) Foundation & Geotechnical Engineering (spring) | |
| | CET4140 (3) Concrete Design II (spring only) | |
| | CET4410 (3) Steele Design II (spring only) | |

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| Approved Technical Elective (3)* | |
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*Please consult a CET advisor