

**Metropolitan State University of Denver**  
**Civil Engineering Technology Major, B.S.: Construction Concentration**  
**Minor (not required):**  
**Fall 2014 catalog year**

First Year	Suggested Course Plan
<b>Fall: 16 credits</b>	CET 1100 (3) Introduction to Civil Engineering Technology (F,S,Su) <b>OR</b> CET 1040 (3) Introduction to Engineering
	MTH 1410 (4) Calculus I (F,S,Su)
	ENG 1010 (3) Composing Arguments (F,S,Su)
	SPE 1010 (3) Public Speaking (F,S,Su)
	Arts and Humanities (3) ARTH 1600 is recommended (global diversity) (F,S,Su)
<b>Spring: 15 credits</b>	CET 1215 (3) Engineering Graphics (F,S,Su)
	MTH 2410 (4) Calculus II (F,S,Su)
	ENG 1020 (3) Freshman Composition: Analysis, Research, & Documentation (F,S,Su)
	CHE 1100 (4) Principles of Chemistry <b>AND</b> CHE 1150 (1) Principles of Chemistry Laboratory (F,S,Su)

Third Year	Suggested Course Plan
<b>Fall: 15 credits</b>	CET 3185 (3) Fluid Mechanics I for Civil Engineering Technology (F)
	CET 3120 (3) Engineering Economy (F)
	CET 3330 (3) Environmental Technology Processes (F)
	MET 3110 (3) Thermodynamics (F)
	CET 4150 (3) Highway Engineering and Surveying (S)
<b>Spring: 15 credits</b>	CET 3190 (3) Fluid Mechanics II for Civil Engineering (S)
	CET 3170 (3) Introduction to Structural Analysis (S)
	EET 2350 (3) Advance Technical Programming (F,S)
	CET 3100 (3) Construction Methods (S)
	Historical (3) HIS 1150, 1920, 3570, or 3580 recommended (multicultural)

<b>Summer: 3 credits</b>	Approved (by CET advisor) Technical Elective (3)
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Second Year	Suggested Course Plan
<b>Fall: 18 credits</b>	CET 2100 (3) Structural Drawing (F) <b>OR</b> ARCH 2003 (3) Building Structures
	CET 2150 (3) Mechanics I-Statics (F,S,Su)
	COM 2610 (3) Introduction to Technical Writing (F,S,Su)
	MTH 2420 (4) Calculus III (F,S,Su)
	PHY 2311 (4) General Physics I <b>AND</b> PHY 2321 (1) General Physics Laboratory I (F,S,Su)
<b>Spring: 15 credits</b>	CET 3135 (4) Mechanics of Materials with Laboratory (F,S)
	MET 3160 (3) Mechanics II Dynamics (F,S)
	PHY 2331 (4) General Physics II AND PHY 2341 (1) General Physics II Laboratory (F,S,Su)
	ECO 2020 (3) Principals of Microeconomics (F,S,Su)

Fourth Year	Suggested Course Plan
<b>Fall: 17 credits</b>	CET 4130 (4) Soil Mechanics (F) (Senior Experience)
	CET 4100 (1) Senior Project (F)
	CET 4400 (3) Steel Design (F)
	CET 4120 (3) Concrete Design (F)
	CET 4570 (3) Engineering Law (F)
	CET 4450 (3) Timber Design (F)
<b>Spring: 14 credits</b>	CET 4135 (3) Foundation and Geotechnical Engineering (S)
	CET 4110 (2) Senior Project II (S)
	CET 3110 (3) Construction Estimating (F)
	PHI 3360 (3) Business Ethics <b>OR</b> PHI 1030 (3) Introduction to Ethics
	Social & Behavioral Science I (3) IND 2810 recommended (global diversity)