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

First Year	Suggested Course Plan	
Fall: 16 credits	CET 1100 (3) Introduction to Civil Engineering Technology **(F,S,Su)** **OR** 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)**	
Spring: 15 credits	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 **AND** CHE 1150 (1) Principles of Chemistry Laboratory **(F,S,Su)**	

Second Year	Suggested Course Plan	
Fall: 18 credits	CET 2100 (3) Structural Drawing **(F)** **OR** 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 **AND** PHY 2321 (1) General Physics Laboratory I **(F,S,Su)**	
Spring: 15 credits	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)**	

Third Year	Suggested Course Plan	
Fall: 15 credits	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)**	
Spring: 15 credits	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)**	
	Approved (by CET advisor) Technical Elective (3)	
	Historical (3) HIS 1150, 1920, 3570, or 3580 recommended (multicultural) **(F,S,Su)**	

Fourth Year	Suggested Course Plan	
Fall: 17 credits	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)**	
Spring: 17 credits	CET 4135 (3) Foundation and Geotechnical Engineering **(S)**	
	CET 4110 (2) Senior Project II **(S)**	
	CET 4410 (3) Steel Design II **(S)**	
	CET 4140 (3) Concrete Design II	
	Social & Behavioral Science I (3) (global diversity)	
	PHI 1030 (3) Introduction to Ethics **OR** PHI 3360 (3) Business Ethics	