

Civil Engineering Technology, B.S. Structures Concentration

303-556-3227 Plaza Building 262

Catalog 12-13

This sheet applies to the 2012-2013 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	43 min
Major courses	53-57
Concentration	18
Additional required courses	12
Total to graduate (min. 40 hrs. upper division)	129-135

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

***TO BE COMPLETED WITHIN FIRST 30-CREDIT HOURS AT MSU Denver**

Written Communication

- ENG 1010 (3hrs) Freshman Comp: the Essay*
OR ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II*
 ENG 1020 (3hrs) Freshman Comp: Anal., Rsrch & Docum. (must be completed within 45-credit hours)

Quantitative Literacy: students must earn a grade of "C" or higher

- MTH 1410 (4 hrs) Calculus I
or MTH 1400 (4 hrs) Pre-Calculus & MTH 1410 (4 hrs) Calculus I
(**Note:** MTH 1110-4 College Algebra & MTH 1120-3 Trigonometry may substitute for MTH 1400).

Oral Communication

- SPE 1010 (3 hrs) Public Speaking

Arts & Humanities

- (3 hrs)
 PHI 3360 (3 hrs) Business Ethics

Historical

- (3 hrs)

Natural & Physical Sciences: Students must earn a grade of "C" or higher

- CHE 1100 (4 hrs) Principles of Chemistry & CHE 1150 (1 hr) Lab
 PHY 2311 (4 hrs) General Physics I & PHY 2321 (1 hr) Lab
 PHY 2331 (4 hrs) General Physics II & PHY 2341 (1 hr) Lab

Social & Behavioral Science I

- IND 2810 (3 hrs) Technology & Design: Global Perspectives (recommended)

Social & Behavioral Science II

- ECO 2020-3 Principles of Economics: Micro

Global Diversity

- IND 2810 Technology & Design: Global Perspectives (recommended)

MAJOR COURSES: students must earn a grade of "C" or higher in all major courses

- CET 1100 (3 hrs) Introduction to Civil Engineering Technology**
 CET 1215 (3 hrs) Engineering Graphics
 CET 2100 (3 hrs) Structural Drawing
 CET 2150 (3 hrs) Mechanics I - Statics
 CET 3120 (3 hrs) Engineering Economy
 CET 3135 (3 hrs) Mechanics of Materials with Laboratory
 CET 3170 (3 hrs) Introduction to Structural Analysis
 CET 3185 (3 hrs) Fluid Mechanics I for Civil Engineering Technology
 CET 3190 (3 hrs) Fluid Mechanics II for Civil Engineering Technology
 CET 3330 (3 hrs) Environmental Technology Process
 CET 4100 (1 hr) Senior Project I
 CET 4110 (2 hrs) Senior Project II
 CET 4130 (4 hrs) Soils Mechanics (Senior Experience)
 CET 4135 (3 hrs) Foundation and Geotechnical Engineering
 CET 4150 (3 hrs) Highway Engineering and Surveying
 CET 4570 (3 hrs) Engineering Law
 COM 2610 (3 hrs) Introduction to Technical Writing
 MET 3110 (3 hrs) Thermodynamics
 MET 3160 (3 hrs) Mechanics II - Dynamics

One of the following:

- CS 1050-4 CSS 1247-4 CSS 1510-4 EET 2340-3

Structures Concentration

- CET 4120-3 CET 4400-3 CET 4450-3
 CET 4140-3 CET 4410-3 -3 approved tech. elective

Additional Requirements: Must earn a grade of "C" or higher

- MTH 1410-4 Calculus I (may meet general studies math requirement)
 MTH 2410-4 Calculus II
 MTH 2420-4 Calculus III

Multicultural Requirement

(may be satisfied within General Studies)