

Civil Engineering Technology, B.S. Structures Concentration

303-556-3227 Plaza Building 262

College of Professional Studies

Catalog 14-15

This sheet applies to the 2014-2015 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	38 min
Major courses	72
Concentration	18
Total to graduate (min. 40 hrs. upper division)	128-135

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) Composing Arguments*
OR ENG 1008/1009 (6 hrs.) Intro to Composition I & II*
___ ENG 1020 (3hrs) Freshman Comp: Anly, Rsrch, & Documt. (must be completed within 45-credit hours)

Oral Communication*

- ___ SPE 1010 (3 hrs) Public Speaking

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).

Arts & Humanities

- ___ (3 hrs)
___ PHI 1030 (3 hrs) Ethics
OR 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

Social & Behavioral Science I*

- ___ (3 hrs)

Social & Behavioral Science II*

- ___ ECO 2020 (3 hrs) Principles of Microeconomics

Global Diversity

- ___ (3 hrs) may be satisfied within General Studies

Multicultural Requirement

- (may be satisfied within General Studies)

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

- ___ **CET 1100 (3 hrs) Introduction to Civil Engineering Technology.**
OR **CET 1040 (3 hrs) Introduction to Engineering**
___ CET 1215 (3 hrs) Engineering Graphics
___ CET 2100 (3 hrs) Structural Drawing
OR ARCH 2003 (3 hrs) Building Structures
___ CET 2150 (3 hrs) Mechanics I - Statics
___ CET 3120 (3 hrs) Engineering Economy
___ CET 3135 (4 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
___ EET 2350 (3 hrs) Advanced Technical Programming
___ MET 3110 (3 hrs) Thermodynamics
___ MET 3160 (3 hrs) Mechanics II - Dynamics
___ MTH 2410-4 Calculus II
___ MTH 2420-4 Calculus III
___ PHY 2331 (4 hrs) General Physics II & PHY 2341 (1 hr) Lab

Structures Concentration

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

Electives