Civil Engineering Technology, B.S. Construction Concentration

303-556-3227 Plaza Building 262
College of Professional Studies

This sheet applies to the 2015-2016 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 min.
Total to graduate (min. 40 hrs. upper division) 128-135

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

Written Communication
ENG 1010 (3 hrs) Composing Arguments*
OR ENG 1008/1009 (6 hrs) Intro to Composition I and II*
ENG 1020 (3 hrs) 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 and MTH 1410 (4 hrs) Calculus I
(Note: MTH 1110 (4 hrs) College Algebra and MTH 1120 (3 hrs) Trigonometry may substitute for MTH 1400).

Arts & Humanities
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 and CHE 1150 (1hr) Lab
PHY 2311 (4 hrs) General Physics I and PHY 2321 (1hr) 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

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 1015 (3 hrs) Mechanics I - Statics
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 (Sr. Exp.)
CET 4110 (2 hrs) Senior Project II (Sr. Exp.)
CET 4130 (4 hrs) Soils Mechanics (Sr Exp.)
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 hrs) Calculus II
MTH 2420 (4 hrs) 4 Calculus III
PHY 2331 (4 hrs) General Physics II and PHY 2341 (1 hr) Lab

Construction Concentration:
CET 3100 (3 hrs) CET 4400 (3 hrs)
CET 3110 (3 hrs) CET 4450 (3 hrs)
CET 4120 (3 hrs) 3 hrs approved technology elective

Multicultural Requirement
(may be satisfied within General Studies, major, minor or elective)

ELECTIVES