Civil Engineering Technology, B.S. Construction Concentration

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.

<table>
<thead>
<tr>
<th>General Studies</th>
<th>43 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major courses</td>
<td>53-57</td>
</tr>
<tr>
<td>Concentration</td>
<td>18</td>
</tr>
<tr>
<td>Additional required courses</td>
<td>12</td>
</tr>
<tr>
<td>Total to graduate (min. 40 hrs. upper division)</td>
<td>129-135</td>
</tr>
</tbody>
</table>

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. See a faculty advisor
- 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

**Construction Concentration:**
- CET 3100-3  CET 4120-3  CET 4400-3  CET 4450-3
- CET 3110-3  __-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)