# Academic Planning Sheet

**B.S.C.E.T.**  
**Civil Engineering Technology**

**Colorado State University – Pueblo**  
2018-2019 Catalog

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<table>
<thead>
<tr>
<th></th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 121: College Algebra</td>
<td>4</td>
<td>ENG 101: English Composition I</td>
</tr>
<tr>
<td>CIS 100: Windows and Word</td>
<td>1</td>
<td>MATH 124: Pre-Calculus</td>
</tr>
<tr>
<td>CIS 103: PowerPoint and Web Publishing</td>
<td>1</td>
<td>CET 103: Surveying II</td>
</tr>
<tr>
<td>CIS 104: Excel Spreadsheets</td>
<td>1</td>
<td>CET 116: Civil Drafting II</td>
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<tr>
<td>CET 101: Introduction to Engineering Technology</td>
<td>2</td>
<td>General Education Course: Humanities</td>
</tr>
<tr>
<td>CET 102: Surveying I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CET 115: Civil Drafting I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Semester Hours</strong></td>
<td>15</td>
<td><strong>Total Semester Hours</strong></td>
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<tr>
<td><strong>Second Year</strong></td>
<td></td>
<td></td>
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<tr>
<td>MATH 126: Calculus and Analytic Geometry I</td>
<td>5</td>
<td>ENG 102: English Composition II</td>
</tr>
<tr>
<td>CET 202: Statics</td>
<td>3</td>
<td>CET 206: Strength of Materials</td>
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<tr>
<td>CET 207: Construction Materials and Methods</td>
<td>3</td>
<td>CET 208: Concrete and Asphalt Materials</td>
</tr>
<tr>
<td>CET 226: Engineering Problem Solving</td>
<td>2</td>
<td>CET 222: Dynamics</td>
</tr>
<tr>
<td>PHYS 201/L: Physics I/Lab</td>
<td>4</td>
<td>General Education Course: Social Science</td>
</tr>
<tr>
<td><strong>Total Semester Hours</strong></td>
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<td><strong>Total Semester Hours</strong></td>
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<tr>
<td><strong>Third Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gen Ed Course: Humanities (COMR 103 )</td>
<td>3</td>
<td>CET 315: Soil Mechanics Technology</td>
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<tr>
<td>CHEM 111/L: Principles of Chemistry/Lab</td>
<td>4</td>
<td>CET 372: Traffic Analysis and Control</td>
</tr>
<tr>
<td>CET 316: Structural Analysis</td>
<td>3</td>
<td>CET 412: Hydrology</td>
</tr>
<tr>
<td>CET 317: Hydraulics</td>
<td>3</td>
<td>General Education Course: Social Science</td>
</tr>
<tr>
<td>CET 305: Heavy/Highway Cost Estimating</td>
<td>3</td>
<td>General Education Course: Humanities</td>
</tr>
<tr>
<td><strong>Total Semester Hours</strong></td>
<td>16</td>
<td><strong>Total Semester Hours</strong></td>
</tr>
<tr>
<td><strong>Fourth Year</strong></td>
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<tr>
<td>CET 455: Senior Project Seminar</td>
<td>1</td>
<td>CET 456: Senior Project</td>
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<tr>
<td>CET 405: Reinforced Concrete Design</td>
<td>3</td>
<td>CET 404: Structural Steel Design</td>
</tr>
<tr>
<td>CET 415: Water and Sewer Systems Design</td>
<td>3</td>
<td>CET Elective</td>
</tr>
<tr>
<td>CET 473: Highway Design</td>
<td>3</td>
<td>Technical Elective</td>
</tr>
<tr>
<td>CET Elective</td>
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<td></td>
</tr>
<tr>
<td>General Education Courses: History</td>
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<td></td>
</tr>
<tr>
<td><strong>Total Semester Hours</strong></td>
<td>16</td>
<td><strong>Total Semester Hours</strong></td>
</tr>
</tbody>
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**Disclaimer:** The Academic Planning Sheet is designed as a guide for students planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice and consent of an academic advisor. While accurately portraying the information contained in the college catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered CSU-Pueblo.

http://ceeps.csupueblo.edu/CET
General Education Requirements:
Required Semester Hours: 35 semester hours

- ENG 101: English Composition I (3)
- ENG 102: English Composition II (3)
- Mathematics Course (3)
  - MATH 121: College Algebra (4)
- Humanities Courses (9)
  - COMR 103: Speaking and Listening (3) - written communication
- History Course (3)
- Social Sciences Courses (6)
- Natural and Physical Sciences Courses (8) (2 courses with labs)
  - CHEM 111/L: Principles of Chemistry (4)
  - PHYS 201/L: Principles of Physics I/Lab (4)

Course Completed elsewhere CSU-Pueblo equivalent
(Ex: English 101)

Major Requirements:
Math, Science and Computer Courses: 25 semester hours

- CIS 100: Intro to Word & Windows (1)
- CIS 103: Power Point & Web Publishing (1)
- CIS 104: Excel Spreadsheets (1)
- MATH 121: College Algebra (4)
- MATH 124: Pre-Calculus Math (5)
- MATH 126: Calculus & Analytic Geometry (5)
- CHEM 111/L: Principles of Chemistry/Lab (4)
- PHYS 201/L: Principles of Physics I/Lab (4)

Technical Sciences for CET: 12 semester hours

- CET 202: Statics (3)
- CET 206: Strengths of Materials (4)
- CET 222: Dynamics (3)
- CET 226: Engineering Problem Solving (2)

Institutional Graduation Requirements:
- Total of 120 semester hours, minimum.
- Complete a minimum of 40 semester hours in upper-division courses.
- Overall cumulative grade point average of 2.00.
- A minimum of 60 semester hours must be earned from a four year institution. Of theses, a minimum of 30 semester hours of credit must be earned in residence.
- Of the last 30 semester credits earned immediately preceding graduation, no more than 15 may be completed at other colleges or universities.
- All other requirements as specified in the Catalog.

Additional Major Graduation Requirements:
- Total of 124 semester hours, minimum.
- Graduates are required to complete an approved program of study with a cumulative GPA of 2.00 or better in their major courses.
- Graduates are required to demonstrate skill and knowledge in the areas of quantitative analysis and science with a cumulative GPA of 2.0 or better in the mathematics and physics courses.

Civil Engineering Technology Courses: 54 semester hours

- CET 101: Introduction to CET (2)
- CET 102: Surveying I (3)
- CET 103: Surveying II (3)
- CET 115: Civil Drafting I (3)
- CET 116: Civil Drafting II (3)
- CET 207: Construction Materials & Methods (3)
- CET 208: Concrete & Asphalt Materials (3)
- CET 305: Heavy/Highway Cost Estimating (3)
- CET 315: Soil Mechanics Technology (3)
- CET 316: Structural Analysis (3)
- CET 317: Hydraulics (3)
- CET 372: Traffic Analysis and Control (3)
- CET 404: Structural Steel Design (3)
- CET 405: Reinforced Concrete Design (3)
- CET 412: Hydrology (3)
- CET 415: Water & Sewer Systems Design (3)
- CET 455: Senior Project Seminar (1)
- CET 456: Senior Project (3)
- CET 473: Highway Design (3)

Technology Elective Courses: 6 semester hours
Select two courses for a total of 6 credits

- CET 303: Construction Management (3)
- CET 304: Building Cost Estimating I (3)
- CET 312: Route Surveying (3)
- CET 401: Land Surveying (3)
- CET 414: Bridge Design (3)
- CET 475: Engineer-in-Training Preparation (3)
- CET 491: Special Topics (1-3)
- CET 495: Independent Study (1-3)

Technical Electives: 3 semester hours
- Approved Technical Electives (3)

(Courses italicized meet General Education requirements)

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