

CIVIL ENGINEERING TECHNOLOGY, BACHELOR OF SCIENCE IN CIVIL ENGINEERING TECHNOLOGY

The major in civil engineering technology leads to a Bachelor of Science in Civil Engineering Technology (BSCET) Degree. This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>, under the General Criteria and the Civil Engineering Technology and Similarly Named Programs Program Criteria.

Admission

Students are typically admitted into the Civil Engineering Technology (CET) program as high school graduates, transfer students from other colleges, or transfer students from other units at this university. Therefore, students who join the CET program must meet the Colorado State University Pueblo admission requirements as described under admission requirements in this catalog.

The CET curriculum consists of courses listed under the following major categories:

Math, Science, & Computer Courses

Course	Title	Credits
CIS 100	Introduction to Word	1
CIS 103	Introduction to PowerPoint	1
CIS 104	Introduction to Excel Spreadsheets	1
CHEM 111 & 111L	Principles of Chemistry (GT-SC2) and Principles of Chemistry Lab (GT-SC1)	4
MATH 120	College Algebra (GT-MA1)	3.0
MATH 124	Pre-Calculus (GT-MA1)	5
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5
PHYS 201 & 201L	Principles of Physics I (GT-SC2) and Principles of Physics Lab I (GT-SC1)	4
Total Credits		24

Technical Sciences for Civil Engineering Technology

Course	Title	Credits
CET 202	Statics	3
CET 206	Strength of Materials	4
CET 222	Dynamics	3
CET 226	Engineering Problem Solving	2
Total Credits		12

Civil Engineering Technology Courses

Course	Title	Credits
CET 101	Intro to Civil Engineering Technology	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 and Methods	3
CET 208	Concrete and 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 System Design	3
CET 455	Senior Project Seminar	1
CET 456	Senior Project	3
CET 473	Highway Design	3
Total Credits		54

Civil Engineering Technology Elective Courses

Course	Title	Credits
Select two of the following:		6
CET 303	Construction Management	3
CET 304	Building Cost Estimating	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 (credits vary)	1-3
CET 495	Independent Study (credits vary)	1-3
Total Credits		6

Technical Electives

Course	Title	Credits
Technical Elective		4
Total Credits		124

Co-Curricular Activities

The CET faculty supports and encourages the involvement of civil engineering technology majors in at least one technical organization relevant to the civil engineering discipline.

- Students are required to complete an approved program of study with a cumulative GPA of 2.000 or better in the CET major courses.
- Civil Engineering Technology majors are required to demonstrate the ability to solve problems appropriate to their discipline and to complete a final senior-year technical project requiring a written report and an oral presentation.

Planning Sheet

Disclaimer: The Planning Sheet is designed as a guide for student's 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 the institution.

Course	Title	Credits
Freshman		
Fall		
CET 101	Intro to Civil Engineering Technology	2

CET 102	Surveying I	3
CET 115	Civil Drafting I	3
ENG 101	Rhetoric & Writing I (GT-CO1)	3
MATH 120	College Algebra (GT-MA1)	3
Credits		14
Spring		
CET 103	Surveying II	3
CET 116	Civil Drafting II	3
ENG 102	Rhetoric & Writing II (GT-CO2)	3
MATH 124	Pre-Calculus (GT-MA1)	5
General Education: Humanities		3
Credits		17
Sophomore		
Fall		
CET 202	Statics	3
CET 207	Construction Materials and Methods	3
CET 226	Engineering Problem Solving	2
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5
PHYS 201 & 201L	Principles of Physics I (GT-SC2) and Principles of Physics Lab I (GT-SC1)	4
Credits		17
Spring		
CET 206	Strength of Materials	4
CET 208	Concrete and Asphalt Materials	3
CET 222	Dynamics	3
MATH 156	Introduction to Statistics (GT-MA1)	3
CHEM 111 & 111L	Principles of Chemistry (GT-SC2) and Principles of Chemistry Lab (GT-SC1)	4
Credits		17
Junior		
Fall		
CET 316	Structural Analysis	3
CET 317	Hydraulics	3
CID 103	Speaking & Listening	3
General Education: Humanities		3
General Education: Social Science		3
Credits		15
Spring		
CE 361	Construction Engineering	4
CET 315	Soil Mechanics Technology	3
CET 372	Traffic Analysis and Control	3
CET 412	Hydrology	3
General Education: Social Science		3
Credits		16
Senior		
Fall		
CET 405	Reinforced Concrete Design	3
CET 415	Water & Sewer System Design	3
CET 455	Senior Project Seminar	1
CET 473	Highway Design	3
Technical Elective	Approved by faculty advisor	3
General Education: History		3
Credits		16
Spring		
CET 404	Structural Steel Design	3
CET 456	Senior Project	3
Technical Elective	Approved by faculty advisor	6
Credits		12
Total Credits		124