

ACADEMIC PLANNING SHEET

B.S.C.E.T. CIVIL ENGINEERING TECHNOLOGY

COLORADO STATE UNIVERSITY – PUEBLO

2014-2015 CATALOG

DEPARTMENT CHAIR: Dr. Sylvester Kalevela, Program Coordinator

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	Fall Semester		Spring Semester	
First Year	MATH 121: College Algebra CIS 100: Windows and Word CIS 103: PowerPoint and Web Publishing CIS 104: Excel Spreadsheets CET 101: Introduction to Engineering Technology CET 102: Surveying I CET 115: Civil Drafting I	4 1 1 1 2 3 3	ENG 101: English Composition I MATH 124: Pre-Calculus CET 103: Surveying II CET 116: Civil Drafting II General Education Course: Humanities	3 5 3 3 3
	TOTAL SEMESTER HOURS	15	TOTAL SEMESTER HOURS	17
Second Year	MATH 126: Calculus and Analytic Geometry I CET 202: Statics CET 207: Construction Materials and Methods CET 226: Engineering Problem Solving PHYS 201/L: Physics I/Lab	5 3 3 2 4	ENG 102: English Composition II CET 206: Strength of Materials CET 208: Concrete and Asphalt Materials CET 222: Dynamics General Education Course: Social Science	3 4 3 3 3
	TOTAL SEMESTER HOURS	17	TOTAL SEMESTER HOURS	16
Third Year	Gen Ed Course: Humanities (COMR 103) CHEM 111/L: Principles of Chemistry/Lab CET 316: Structural Analysis CET 317: Hydraulics CET 305: Heavy/Highway Cost Estimating	3 4 3 3 3	CET 315: Soil Mechanics Technology CET 372: Traffic Analysis and Control CET 412: Hydrology General Education Course: Social Science General Education Course: Humanities	3 3 3 3 3
	TOTAL SEMESTER HOURS	16	TOTAL SEMESTER HOURS	15
Fourth Year	CET 455: Senior Project Seminar CET 405: Reinforced Concrete Design CET 415: Water and Sewer Systems Design CET 473: Highway Design CET Elective General Education Courses: History	1 3 3 3 3 3	CET 456: Senior Project CET 404: Structural Steel Design CET Elective Technical Elective	3 3 3 3
	TOTAL SEMESTER HOURS	16	TOTAL SEMESTER HOURS	12

<http://ceeps.colostate-pueblo.edu/CET>

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.

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General Education Requirements:

Required Semester Hours: **24 semester hours**

- o ENG 101: English Composition I (3)
- o ENG 102: English Composition II (3)
- o Mathematics Course (3)
 - MATH 121: College Algebra (4)*
- o Humanities Courses (9)
 - COMR 103: Speaking and Listening (3) –written communication
- o History Course (3)
- o Social Sciences Courses (6)
- o 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)*

<u>Course Completed elsewhere</u>	<u>CSU-Pueblo equivalent</u>
(Ex: English 101)	(Ex: English 101)

Major Requirements:

Math, Science and Computer Courses: 25 semester hours

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

Technical Sciences for CET: 12 semester hours

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

Institutional Graduation Requirements:

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

Additional Major Graduation Requirements:

- o Total of 124 semester hours, minimum.
- o Graduates are required to complete an approved program of study with a cumulative GPA of 2.00 or better in their major courses.
- o 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

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

Technology Elective Courses: 6 semester hours

Select two courses for a total of 6 credits

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

Technical Electives: 3 semester hours

- o Approved Technical Electives (3)

(Courses *italicized* meet General Education requirements)

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