CONSTRUCTION MANAGEMENT, BACHELOR OF SCIENCE

The major in construction management leads to the Bachelor of Science (BS) degree in Construction Management. Graduates of the Construction Management (CM) program enter the industry as project superintendents, field supervisors, project managers, or owner's representatives for a variety of construction-related firms such as general contractors, specialty subcontractors, construction managers, designers, developers, consultants, or owners.

Program Goals
The goal of the Construction Management program is to prepare baccalaureate degree graduates who have the necessary skills to plan, organize, staff, lead and exercise control in the directing and coordinating of resources to achieve construction project objectives. Therefore, the objective of the program is to produce graduates who have the technical grounding in construction processes for infrastructure and have managerial skills to plan and direct projects.

Co-curricular Activities
The CM faculty supports and encourages the involvement of construction management majors in at least one technical organization relevant to the construction enterprise.

Admission
Students are typically admitted into the Construction Management program as high school graduates, transfer students from other colleges, or transfer students from other units at this university. Therefore, students who join the Construction Management program must meet the Colorado State University-Pueblo admission requirements as described under admission requirements in this catalog.

Student Learning Outcomes
Students who successfully complete the CM program are expected to have the ability to:

- Apply knowledge, techniques, skills, and tools of the construction industry in construction activities;
- Select and apply knowledge of mathematics, science, and technology to construction problems;
- Perform standard tests, organize and interpret test data, and apply test results to improve construction processes;
- Function effectively as members or leaders on construction teams;
- Communicate effectively regarding subjects related to construction activities; and
- Demonstrate an understanding of professional and ethical responsibilities.

Outcomes Assessment Activities
- To be eligible for graduation, all construction management majors are required to take an exit examination. The results of the exit examination are used in the evaluation of the program but have no effect on the student's GPA.
- Graduates and their employers are surveyed on program satisfaction and job performance following their graduation.
- The CM Advisory Committee meets every year to review the three year cycle report and make suggestions for program improvement. The committee also meets with current CM students for an open discussion regarding the CM program.

Specific Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 101</td>
<td>Rhetoric &amp; Writing I (GT-CO1)</td>
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</tr>
<tr>
<td>ENG 102</td>
<td>Rhetoric &amp; Writing II (GT-CO2)</td>
<td>3</td>
</tr>
<tr>
<td>CID 103</td>
<td>Speaking &amp; Listening</td>
<td>3</td>
</tr>
<tr>
<td>General Education: History</td>
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<tr>
<td>General Education: Humanities</td>
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<tr>
<td>Social Sciences (6 hours listed under Business)</td>
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<tr>
<td>MATH 120</td>
<td>College Algebra (GT-MA1)</td>
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<tr>
<td>MATH 156</td>
<td>Introduction to Statistics (GT-MA1)</td>
<td>3</td>
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<tr>
<td>PHYS 201</td>
<td>Principles of Physics I (GT-SC2)</td>
<td>4</td>
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<tr>
<td>PHYS 201L</td>
<td>Principles of Physics Lab I (GT-SC1)</td>
<td>1</td>
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<td>Select one of the following:</td>
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<tr>
<td>CHEM 111</td>
<td>Principles of Chemistry (GT-SC2)</td>
<td>4</td>
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<tr>
<td>CHEM 111L</td>
<td>Principles of Chemistry Lab (GT-SC1)</td>
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<tr>
<td>GEOL 101</td>
<td>Earth Science (GT-SC2)</td>
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<tr>
<td>GEOL 101L</td>
<td>Earth Science Lab (GT-SC1)</td>
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Business and Management
- ACCT 201 Principles of Financial Accounting 3.0
- BSAD 270 Business Communications 3.0
- BSAD 302 Ethics in Business 3.0
- ECON 201 Principles of Macroeconomics (GT-SS1) 3
- ECON 202 Principles of Microeconomics (GT-SS1) 3
- MGMT 201 Principles of Management 3

Introduction to Computers
- CIS 100 Introduction to Word 1
- CIS 103 Introduction to PowerPoint 1
- CIS 104 Introduction to Excel Spreadsheets 1

Major Courses
- CET 102 Surveying I 3
- CET 103 Surveying II 3
- CET 115 Civil Drafting I 3
- CET 207 Construction Materials and Methods 3
- CET 208 Concrete and Asphalt Materials 3
- CET 303 Construction Management 3
- CET 304 Building Cost Estimating 3
- CET 305 Heavy/Highway Cost Estimating 3
- CM 101 Intro to Construction Management 2
- CM 231 Statics and Structures 4
- CM 320 Soils in Construction 3
- CM 330 Wood Structural Systems 3
- CM 341 Concrete and Steel Structures 4
- CM 351 Construction Planning & Scheduling 3
CM 445 Construction Safety 2
CM 451 Mechanical & Electrical Systems 4
CM 461 Construction Law 3
CM 465 Construction Accounting & Finance 3
CM 475 Senior Project 3

Technical and Management Electives
Select 6 credits from ACCT, BSAD, CET, CM, EN, FIN, MGMT or MKTG 6

Upper Division Technical and Management Electives
Select 3 credits from ACCT, BSAD, CET, CM, EN, FIN, MGMT or MKTG 3

Total Credits 120

1 ECON 201 Principles of Macroeconomics (GT-SS1) (3 c.h.) and ECON 202 Principles of Microeconomics (GT-SS1) (3 c.h.) are also counting for the Social Science General Education Requirement.

Specific Graduation Requirements

• Students are required to complete an approved program of study with a cumulative GPA of 2.000 or better in the CM major courses.
• Construction management majors are expected to demonstrate the ability to solve problems pertinent to the construction industry by completing a senior-year capstone activity that requires a packaged submittal and an oral presentation.