CONSTRUCTION MANAGEMENT BS

More Information
Advising Requirement
Advising is mandatory for this program. Consult your department advisor or program coordinator for information.

Laptop Requirement
Students need a laptop for this program. Consult with the department for hardware and software requirements. Discounts are available through the Chico State Wildcat Store.

The Bachelor of Science in Construction Management provides a broad base of knowledge and skills targeted toward the management of construction operations. Particular emphasis is on project estimating, CPM scheduling, cost control, legal aspects, and construction operations at the project and company level. Courses provide students with simulated management experience utilizing actual contract plans and specifications.

The curriculum is focused on providing students with the skill set comparable to the 20 student learning outcomes prescribed by the program’s accrediting body, the American Council for Construction Education (ACCE) (https://www.acce-hq.org/). To obtain this degree, students complete a blend of selected construction management courses plus an appropriate complement of business, law, math, science, and General Education courses.

Grading Requirement
All courses taken to fulfill program course requirements must be taken for a letter grade except those courses specified by the department as credit/no credit grading only.

The following courses or their equivalents must each be completed with a grade of C or higher prior to enrollment in any required 300-level Construction Management (CMGT) course: CMGT 100, CMGT 105, CMGT 110, CMGT 135, CMGT 210, and CMGT 235.

Enrollment in any mathematics course requires a grade of C- or higher in all prerequisite courses or their transfer equivalents.

Course Requirements for the Major: 87 units
Completion of the following courses, or their approved transfer equivalents, is required of all candidates for this degree. Courses in this program may complete more than one graduation requirement.

Priority for enrollment in all CMGT courses will be given to CMGT majors. Construction Management students taking any CMGT course for the first time will be granted priority over CMGT students who are attempting to repeat a course.

Course | Title | Units
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ACCT 201 | Introduction to Financial Accounting | 3
ACCT 202 | Introduction to Managerial Accounting | 3
BLAW 203 | Introduction to Business Law | 3
CHEM 107 | General Chemistry for Applied Sciences | 4
CMGT 100 | Concepts of Construction | 3
CMGT 105 | Computer Applications in Construction Management | 3
CMGT 110 | Construction Graphics | 3
CMGT 135 | Construction Materials and Systems | 3
CMGT 210 | Analysis of Construction Drawings and Specifications | 3
CMGT 235 | Electrical and Mechanical Systems | 3
ECON 103 | Principles of Microeconomic Analysis | 3
MATH 120 | Analytic Geometry and Calculus | 4
PHYS 202A | General Physics I | 4

Upper Division
BCOM 300W | Communication in Business (W) | 3
CMGT 330 | Soil Mechanics, Concrete, and Construction Surveying | 3
CMGT 332 | Construction Method Analysis | 3
CMGT 335 | Construction Equipment | 3
CMGT 350 | Principles of Statics and Strength of Materials | 3
CMGT 360W | Construction Project Management (W) | 3
CMGT 385 | Concepts of Sustainable Construction | 3
CMGT 440 | Temporary Structures | 3
CMGT 450 | Building Estimating | 3
CMGT 455 | Construction Cost Management | 3
CMGT 457 | Project Scheduling and Control | 3
CMGT 458 | Heavy Construction Estimating | 3
CMGT 460W | Legal Aspects of Construction (W) | 3
CMGT 462 | Construction Contracts | 3
MGMT 303 | Survey of Management | 3

Total Units 87

Honors in the Major
Honors in the Major is a program of independent work in your major. It requires six units of honors coursework completed over two semesters.

The Honors in the Major program allows you to work closely with a faculty mentor in your area of interest on an original performance or research project. This year-long collaboration allows you to work in your field at a professional level and culminates in a public presentation of your work. Students sometimes take their projects beyond the University for submission in professional journals, presentation at conferences, or academic competition. Such experience is valuable for graduate school and professional life. Your honors work will be recognized at your graduation, on your permanent transcripts, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair.

Some common features of Honors in the Major program are:

- You must take six units of Honors in the Major coursework. All six units are honors courses (marked by a suffix of H), and at least three of these units are independent study (399H, 499H, 599H) as specified by your department. You must complete each course with a minimum grade of B.
- You must have completed 9 units of upper-division coursework or 21 overall units in your major before you can be admitted to Honors in
the Major. Check the requirements for your major carefully, as there may be specific courses that must be included in these units.

- Your cumulative GPA should be at least 3.5 or within the top 5% of majors in your department.
- Your GPA in your major should be at least 3.5 or within the top 5% of majors in your department.
- Most students apply for or are invited to participate in Honors in the Major during the second semester of their junior year. Then they complete the six units of coursework over the two semesters of their senior year.
- Your honors work culminates with a public presentation of your honors project.

While Honors in the Major is part of the Honors Program, each department administers its own program. Please contact your major department or major advisor to apply.

See Bachelor’s Degree Requirements (https://catalog.csuchico.edu/undergraduate-requirements/bachelors-degree-requirements/) for complete details on general degree requirements. A minimum of 39 units, including those required for the major, must be upper division.

General Education Requirements: 48 units
See General Education (https://catalog.csuchico.edu/colleges-departments/undergraduate-education/general-education/) and the Class Schedule (http://www.csuchico.edu/schedule/) for the most current information on General Education Requirements and course offerings.

This major has approved GE modification(s). See below for information on how to apply these modification(s).

- Take only one course in either Arts (C1) or Humanities (C2). The other is waived.
- CMGT 330 fulfills Upper-Division Scientific Inquiry and Quantitative Reasoning (UD-B).

Diversity Course Requirements: 6 units
You must complete a minimum of two courses that focus primarily on cultural diversity. At least one course must be in US Diversity (USD) and at least one in Global Cultures (GC). See Diversity Requirements (https://catalog.csuchico.edu/undergraduate-requirements/diversity-requirements/) for a full list of courses. Most courses taken to satisfy these requirements may also apply to General Education (https://catalog.csuchico.edu/colleges-departments/undergraduate-education/general-education/).

Upper-Division Writing Requirement
Writing Across the Curriculum (EM 17-009 (http://www.csuchico.edu/prs/EMs/2017/17-009.shtml/)) is a graduation requirement and may be demonstrated through satisfactory completion of four Writing (W) courses, two of which are designated by the major department. See Mathematics/Quantitative Reasoning and Writing Requirements (https://catalog.csuchico.edu/undergraduate-requirements/mathematicsquantitative-reasoning-writing-requirements/) for more details on the four courses. The first of the major designated Writing (W) courses is listed below.

- CMGT 360W Construction Project Management (W)

The second major-designated Writing course is the Graduation Writing Assessment Requirement (GW) (EO 665 (https://calstate.policystat.com/policy/9585618/latest/)). Students must earn a C- or higher to receive GW credit. The GE Written Communication (A2) (https://catalog.csuchico.edu/colleges-departments/undergraduate-education/general-education/#A2) requirement must be completed before a student is permitted to register for a GW course.

Minimum GPA for Acceptance
For both continuing and transfer students, a minimum cumulative GPA of 2.0 is a prerequisite for being accepted as a construction management major.