

# CONSTRUCTION MANAGEMENT BS

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 17 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.

## 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 (<https://www.bkstr.com/chicostatewildcatstore/home/>).

## 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 Construction Management (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
<b>Lower Division</b>		
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
<b>Upper Division</b>		
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
<b>Total Units</b>		<b>87</b>

## 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.

Honors in the Major is not 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: 43 units

See General Education (<https://catalog.csuchico.edu/colleges-departments/undergraduate-education-academic-success/general-education/#general-requirements-text>) 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 (3A) or Humanities (3B). The other is waived.
- CMGT 330 fulfills Upper-Division Physical and Biological Sciences (UD-5).

## American Institutions Course Requirements: 6 units

The American Institutions graduation requirement, as mandated in Title 5, Section 40404 ([https://govt.westlaw.com/calregs/Document/I56C041434C6911EC93A8000D3A7C4BC3/?](https://govt.westlaw.com/calregs/Document/I56C041434C6911EC93A8000D3A7C4BC3/?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default))

[viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/calregs/Document/I56C041434C6911EC93A8000D3A7C4BC3/?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default))), requires that students satisfactorily complete courses in United States history, the US Constitution, and government and American ideals (including California state and local government). At Chico State, HIST 130 meets the US history requirement (US-1), and POLS 155 meets the US Constitution and government requirement (US-2) and the California state and local government requirement (US-3). POLS 155 also fulfills three units of GE Area 4, Social and Behavioral Sciences. See Bachelor's Degree Requirements (<https://catalog.csuchico.edu/undergraduate-requirements/bachelors-degree-requirements/#amin>) for more information.

## 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. Many courses taken to satisfy

these requirements may also apply to General Education (<https://catalog.csuchico.edu/colleges-departments/undergraduate-education-academic-success/general-education/>).

## Upper-Division Writing Requirement

Writing Across the Curriculum (EM 17-009 (<https://www.csuchico.edu/pres/em/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 Writing and Math Requirements (<https://catalog.csuchico.edu/undergraduate-requirements/writing-math-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 English Composition (1A) (<https://catalog.csuchico.edu/colleges-departments/undergraduate-education-academic-success/general-education/#1A>) 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.