

CONCRETE INDUSTRY MANAGEMENT BS

The Bachelor of Science in Concrete Industry Management is founded on a strong lower-division base of general education, math, science, and business courses. The upper-division courses allow students to develop the necessary technical knowledge in concrete materials and processes. At the same time, courses in logistics and information systems, finance, marketing, law, safety, quality, and project management prepare students to become effective leaders in the concrete industry.

Students who complete the concrete industry management program curriculum will also have fulfilled all the course requirements for the Minor in Business Administration.

Program Goals

Student success in this program is best described by the following attributes of its graduates:

- First and foremost, California State University, Chico concrete industry management graduates understand how concrete materials and products are produced, used, and tested.
- They understand organizational leadership imperatives.
- They apply mathematics and science to enhance analysis and decision making.
- They have a thorough understanding of contemporary concrete blending, mixing, transport, placement, and finishing processes, and they understand the fundamental behavior of materials and have experience testing material properties.
- They understand project, quality, and safety management methods and the impact of their application on the financial and economic aspects of concrete materials, products, and services.
- They use contemporary computer applications, information systems, and software packages.
- They effectively communicate their ideas in oral, written, and graphical form.
- They work effectively with other people and are independently resourceful.
- They are able to prioritize and complete multiple, time-constrained requirements effectively.
- They have developed an appreciation for the legal and ethical implications of their work and are aware of the impact of their actions on individuals, society, and the environment.

Advising Requirement

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

E-advising Tools

Use the interactive e-advising tools designed to help students graduate within four years. These tools can be accessed through the Student Center in the Portal (<https://portal.csuchico.edu>).

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.

A grade of C- or higher is required in all Concrete Industry Management (CIMT) courses used for the major.

Course Requirements for the Major: 84 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.

Course	Title	Units
Lower Division		
CHEM 107	General Chemistry for Applied Sciences	4
CIMT 101	Introduction to Concrete	1
CIMT 125	Concrete Projects Drawings Reading	2
CIMT 231	Fundamentals of Concrete Properties & Testing	3
CIMT 241	Concrete Construction Methods	3
CIMT 251	Concrete Supply Logistics	3
ERTH 102	Physical Geology	3
MATH 105	Introduction to Statistics	3
MATH 119	Precalculus Mathematics	4
PHYS 202A	General Physics I	4
Upper Division		
AMAR 458	Project Management	3
CIMT 325	Concrete Project Estimating and Bidding	3
CIMT 348	Concrete Repair and Restoration	3
CIMT 363W	Sustainability and the Built Environment (W)	3
CIMT 365	Advanced Concrete Technology	3
CIMT 389	Concrete Industry Internship ¹	3
CIMT 453	Ready Mixed Concrete Production Management	3
CIMT 455	Precast Concrete Production Management	3
CIMT 466W	Concrete Capstone Project (W)	3
CMGT 460W	Legal Aspects of Construction (W)	3
Formal Business Administration Minor Requirement		
The following courses or their approved transfer equivalents, also fulfill requirements for a minor in business administration. ²		
ACCT 201	Introduction to Financial Accounting	3
ACCT 202	Introduction to Managerial Accounting	3
BLAW 203	Introduction to Business Law	3
ECON 103	Principles of Microeconomic Analysis	3
FINA 307	Survey of Finance	3
MGMT 303	Survey of Management	3
MINS 301	Corporate Technology Integration	3
or MGMT 450	Introduction to Entrepreneurship	
MKTG 305	Survey of Marketing	3
Total Units		84

¹ Must be taken for three units.

² Students are responsible for declaring the Minor in Business Administration.

general-education/#1A) requirement must be completed before a student is permitted to register for a GW course.

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-education-requirements>) and the Class Schedule (<http://www.csuchico.edu/schedule/>) for the most current information on General Education requirements and course offerings.

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/?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.

- CIMT 466W Concrete Capstone Project (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/>)