

# CONCRETE INDUSTRY MANAGEMENT BS

## More Information

### Advising Requirement

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

### E-advising Tools

Students are encouraged to use the interactive e-advising tools that have been designed to help them graduate within four years. These tools can be accessed through the Student Center.

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 CIMT 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.
- 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.

## 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.

## 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
<b>Lower Division</b>		
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
ERTH 102	Physical Geology	3
MATH 105	Introduction to Statistics	3
MATH 119	Precalculus Mathematics	4
PHYS 202A	General Physics I	4
<b>Upper Division</b>		
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 <sup>1</sup>	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
OSCM 440	Supply Chain Management	3
<b>Formal Business Administration Minor Requirement</b>		
The following courses or their approved transfer equivalents, also fulfill requirements for a minor in Business Administration. <sup>2</sup>		
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
<b>Total Units</b>		<b>84</b>

<sup>1</sup> Must be taken for 3 units.

<sup>2</sup> Students are responsible for declaring the Minor in Business Administration.

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).

- CIMT 363W is an approved major course substitution for 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 U.S. 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.

- 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 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.