

Concrete Industry Management



Career Opportunities

The broad range of course work and practical instruction in technical laboratories prepares tomorrow's concrete professionals for a variety of rewarding and challenging careers in the industry.

Graduates of CIM programs have found employment with exceptional companies across the state and nation. Some job titles of CIM graduates include concrete technician, concrete estimator, project coordinator, sales manager, concrete superintendent, concrete project manager, plant manager, operations/production manager and production distribution manager.

Admission to Texas State

For more information on Texas State and how to apply for admission, visit admissions.txstate.edu or contact the Office of Undergraduate Admissions at admissions@txstate.edu or 512.245.2364.

Financial Aid and Scholarships

Texas State offers scholarships to students of all majors. Visit finaid.txstate.edu or contact Financial Aid and Scholarships at finaid@txstate.edu or 512.245.2315. Other scholarships are available specifically for CIM and engineering technology majors. Information on department-specific scholarships can be found at txstate.edu/technology/student-resources/scholarships.



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Concrete industry management (CIM) is a hands-on technology discipline that prepares students for a wide range of exciting technical and managerial careers in concrete-related industries. Texas State is one of four universities in the nation to offer this innovative degree program. The goal of this industry-driven program is to produce broadly educated, articulate graduates who are grounded in basic construction management, knowledgeable in concrete technology and techniques, and able to manage people and systems to promote products and services related to the concrete industry.

Why Concrete Industry Management?

Concrete is the most widely used man-made product in the world. The concrete industry is the largest manufacturing sector in the United States. Within this industry, thousands of companies manufacture cement, ready-mix concrete, concrete pipe, concrete block, pavement, and precast and prestressed concrete products. Also, concrete materials and products are the foundation of the multibillion-dollar construction industry, which is one of the major drivers of the U.S. economy. Texas ranks second nationwide in its volume of ready-mix concrete production and its number of production plants.

Today's rapidly changing concrete industry needs educated professionals with the potential to grow into managerial responsibilities. The need for people with enhanced technical communication and management skills prompted a team of concrete industry leaders to create the CIM degree.

If you are a curious and practically oriented person who enjoys hands-on work, troubleshooting and solving problems, consider a CIM degree.

The Department of Engineering Technology offers a bachelor of science degree with a major in concrete industry management.

The CIM major requires 120 credit hours of study. Course work is drawn from business, construction management, engineering, math, science, concrete technology, arts, humanities and social sciences. Most of the technology courses involve laboratory work in which students learn by doing.

In order to facilitate hands-on learning, the Department of Engineering Technology, in conjunction with the Ingram School of Engineering, operates the following 20 laboratories:

- Applied Thermodynamics
- Automated Machining
- Computer-Aided Design
- Computer Integrated Manufacturing
- Concrete Testing
- Construction Systems
- Digital Systems
- Electronics
- Human Factors
- Material Removal
- Mechanical, Electrical and Plumbing Systems
- Metal Casting
- Metallurgy
- Microelectronics Manufacturing
- Microprocessors and Microcontrollers
- Plastics and Composites
- Quality Assurance
- Rapid Prototyping
- Senior Design Project
- Welding and Fabrication

The following courses provide a solid foundation in concrete technology:

- Introduction to the Construction and Concrete Industry
- Fundamentals of Concrete: Properties and Testing
- Concrete Construction Methods
- Understanding the Concrete Construction System
- Applications of Concrete in Construction
- Senior Concrete Lab
- Management of Concrete Products: Ordering and Scheduling
- Concrete Problems: Diagnosis, Prevention and Dispute Resolution
- Capstone

The CIM major also includes a 24-hour minor in business. Through the minor, CIM graduates gain a background in accounting, business law, economics, finance, management and marketing.

Faculty

The Department of Engineering Technology has 16 full-time faculty members with a range of educational, industrial and research experience. These faculty members hold degrees from respected American and international institutions of higher education that are leaders in technology. The faculty size allows for a favorable student-faculty ratio and covers a spectrum of technologies. The faculty has built a strong reputation for dedicated teaching, academic advising and career counseling. An open-door policy exists throughout the department.

Location

Texas State is located in San Marcos, at the edge of the Texas Hill Country. Its location in the Austin Metropolitan Area provides students opportunities for industrial field trips, concrete-oriented research, internships and employment.



[txstate.edu/technology/cim](https://www.txstate.edu/technology/cim)

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