



A Solid Degree in Concrete

The Concrete Industry Management (CIM) program is designed for students who are interested in the future of the concrete industry, offering students a four-year bachelor's of science degree in the field of concrete industry management.

In 2008, Texas State University in San Marcos announced the addition of the CIM program to its curriculum starting in the spring of 2009. Middle Tennessee State University (MTSU), Arizona State University, the New Jersey Institute of Technology and the California State University have similar programs.

The CIM program is a great fit for Texas since the state ranks second in the nation for the number of ready mix concrete plants in production. The need for devoted concrete-specific professionals is critical, and Texas State University has received more than \$750,000 in pledges to the program.

Students already enrolled in the CIM program at MTSU announced the addition of five research projects earlier this year:

-A collaborative project with five other labs across the United States to determine the best way to consolidate and cast cylindrical specimens for pervious cement

-Comparison of new fiber with existing market fibers to determine viability of the fiber to prevent plastic shrinkage cracking

-Investigation of a new liquid admixture that could be used to enhance workability, set time and cement replacement for pervious concrete mixes

-Review of the pull-out strength of rebar in high-strength lightweight concrete with local precast plants and Stalite, Inc.

-Two industry literature searches: 1) compilation of all pervious concrete research that has been done to-date and 2) compilation of all papers that reference the comparison of fiber-reinforced concrete vs. welded-wire fabric and how well it performs

These projects were chosen based on the time available with the students during the semester and the short-term needs of the industry.

About CIM

Receiving tremendous support from the concrete industry, the CIM program was the first of its kind in the United States—a four-year bachelor of science degree in concrete industry management. The need for such a program was recognized in 1994 and executed by the concrete industry. The end-result was a partnership between the concrete industry and Middle Tennessee State University (MTSU) to develop the CIM program, implementing it with its first two students in 1996. Available at MTSU, Arizona State University, California State University, Chico, the New Jersey Institute of Technology, and Texas State University, the program has been successful for both the industry and the graduates. To learn more about the program, visit www.concretedegree.com. 

CIM Curriculum

CIM 1010—Introduction to the Concrete Industry

CIM 1050—Blueprint Reading

CIM 3000—Fundamentals of Concrete: Properties & Testing

CIM 3050—Concrete Construction Methods

CIM 3060—Understanding the Concrete Construction System

CIM 3100—Applications of Concrete in Construction

CIM 4050—Management of Concrete Products: Ordering and Delivering

CIM 4030—Issues in Concrete & Construction Industry

CIM 4060—Management of Concrete Products: Production Facilities

CIM 4150—Concrete Problems: Diagnosis, Prevention and Dispute Resolution

CIM 4910—Capstone

CIM 4200—Senior Concrete Lab