

NJIT

New Jersey's Science &
Technology University

THE EDGE IN KNOWLEDGE

Bachelor of Science Program in Concrete Industry Management Technology



Department of Engineering Technology

Newark College of Engineering

New Jersey Institute of Technology

WHY STUDY CONCRETE INDUSTRY MANAGEMENT TECHNOLOGY (CIMT)?

The BS in CIMT is a new degree program in Engineering Technology at NJIT that is business and technology intensive, providing management skills that are valuable in any industry. But the CIMT program also gives you a foundation in concrete-specific courses, such as the fundamentals of concrete, properties and testing, and concrete construction. When you graduate, you will enter the workforce with specific product knowledge. That's important because the concrete industry in the United States is a \$100 billion industry employing more than half a million people. The industry has a continuous need for new employees every year, particularly at the mid-level management and supervisory level.

The CIMT program is designed specifically to address the urgent need for professionals with the skills to meet the growing demands of a progressive, changing concrete industry. The goal of the program is to produce broadly educated, articulate graduates grounded in basic construction management, who are knowledgeable of concrete technology and techniques and who are able to manage people and systems and to promote products or services related to the concrete industry. This broad education provides CIMT graduates a wide choice of career opportunities in areas including sales, operations, project and production management. Opportunities are also available in tech services, concrete production; cement, admixtures, or equipment manufacturing as well as concrete or general contracting.

WHY STUDY CIMT AT NJIT?

The CIMT program at NJIT is one of only four such programs in the nation developed in partnership with the concrete industry. The program draws on the full resources of NJIT, with coursework and faculty from the Department of Engineering Technology, the School of Management, the Department of Civil Engineering, the College of Computing Sciences, and the College of Science and Liberal Arts. The curriculum emphasizes problem-solving, quality assurance and customer satisfaction, while providing students with a broad technological and business education.

HOW IS THE CONCRETE INDUSTRY INVOLVED IN THE PROGRAM?

The CIMT program is supported by virtually every sector of the concrete industry – producers and suppliers, equipment manufacturers, aggregate producers, trade associations, and concrete contractors – who see these programs as a way to ensure the vitality of their industry by producing the next generation of industry leadership. The industry is funding scholarships for students who major in CIMT, and is participating directly in the program through:

- Sponsored internships to give students hands-on experience
- Speakers, visiting faculty and mentors drawn from industry professionals
- Opportunities for professional networking beginning in the first year, through on-campus presentations and social events with industry representatives
- Support for student attendance at national industry conventions
- Opportunities for frequent plant and site visits.
- A program of collaborative research with NJIT faculty that will give students an opportunity for hands-on research experience

WHAT WILL I STUDY?

- Management and business principles
- Production, process, and transport
- Materials and construction procedures
- Safety and accident prevention
- Environmental issues and compliance
- Manufacturing processes
- Problem solving and project management
- Communication
- Computing
- Applied math and physics

WHAT KIND OF CAREER OPPORTUNITIES WILL I HAVE?

Graduates will qualify for mid-level supervisory and management positions in a variety of concrete-related companies. The pay is comparable to other high-tech industries. Examples of career opportunities include:

- Production Management in ready-mixed concrete plants, concrete pipe plants, concrete block plants, precast/prestressed concrete plants, quarry operations
- Sales and Marketing in concrete and concrete products, cement and admixtures, and equipment
- Product Distribution as an inventory control manager or a cement terminal manager.

IS FINANCIAL AID AVAILABLE?

In addition to the scholarships offered specifically to CIMT students, the Office of Student Financial Aid Services helps to provide NJIT students with every opportunity to obtain funding to support their educational costs.

The university encourages all students to apply for financial aid. <http://www.njit.edu/admissions/financialaid/index.php>

NJIT AT A GLANCE

- New Jersey's Science and Technology University, founded in 1881
- Enrollment of just over 8,000 undergraduate and graduate students in six schools provides small-college intimacy with big university resources
- 45-acre campus with a recently-completed \$83-million construction program featuring a new Campus Center
- A Princeton Review™ Best Value College and "Top 25 Most Connected College"
- Ranks 8th in the nation in diversity with students from more than 100 countries

FOR FURTHER INFORMATION:

For more information about CIMT, contact Professor Robert English, chair of Engineering Technology engineeringtechnology@njit.edu 973-596-3228

To find out more about NJIT, contact University Admissions admissions@njit.edu 1-800-925-NJIT