

# B.S. in Concrete Industry Management

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The Concrete Industry Management (CIM) program is designed to train and educate the student in the field of concrete industry by exposing the student to a multidisciplinary program which draws on management and technology to produce a well-rounded graduate who is able to enter a career in the concrete industry. The four-year Bachelor of Science degree program focuses on science, technology, management and production as well as the mandatory university courses in English, history and the humanities. The concrete industry is a \$931 billion dollar industry which is eager to employ graduates, who are educated and trained, to manage, develop and own concrete industry businesses.

The objective of this program is to produce graduates grounded in the basics of concrete's production techniques and its use in a multitude of construction applications. In addition, graduates acquire a minor in business administration.

The full four-year curriculum for the program is shown below. Students who wish to enter the program as a transfer student are typically students with an A.A.S. degree in Civil or Construction Engineering Technology and should have completed most or all of the courses, or their equivalents, in the first two years of the program as shown below. Students in other majors, such as Business, may have taken many of the required courses. In the case of all students, both four-year and transfer, a minimum of 120 credits is required for graduation.

(120 credits minimum)

Course	Title	Credits
<b>First Year</b>		
<b>1st Semester</b>		
MATH 138	General Calculus I	3
PHYS 102	General Physics	3
PHYS 102A	General Physics Lab	1
CS 106	Roadmap to Computing for Engineers	3
HUM 101	English Composition: Writing, Speaking, Thinking I	3
MET 103	Engineering Graphics and Intro. to CAD	2
FRSH SEM	Freshman Seminar	0
Term Credits		15
<b>2nd Semester</b>		
ACCT 117	Principles Of Fin Accountng	3
CHEM 301	Chemical Technology	3
HUM 102	English Composition: Writing, Speaking, Thinking II	3
MGMT 290	Business Law I	3
CIMT 101	Introduction to Concrete	3
Term Credits		15
<b>Second Year</b>		
<b>1st Semester</b>		
ACCT 215	Managerial Accounting I	3
CIMT 205	Concrete Properties and Testing	3
CIMT 210	Concrete Applications I	3
History and Humanities GER 200 level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level</a> )		3
Technical Elective		3
Term Credits		15
<b>2nd Semester</b>		
MIS 245	Introduction to Management Information Systems	3
Technical Elective (100-200 level)		3
ENG 352	Technical Writing	3
MATH 305	Statistics for Technology	3
CIMT 305	Concrete Applications II	3
Term Credits		15
<b>Third Year</b>		
<b>1st Semester</b>		
CET 313	Construction Procedures I	3

MGMT 390	Principles of Business	3
CIMT 310	Concrete Products and Delivery	3
FIN 315	Fundamentals of Corporate Finance	3
CET 323	Construction Safety	3
	Term Credits	15
<b>2nd Semester</b>		
CET 314	Construction Procedures II	3
MRKT 330	Principles of Marketing	3
CIMT 315	Concrete Construction Methods	3
	History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level</a> )	3
MNET 420	Quality Systems	3
	Term Credits	15
<b>Fourth Year</b>		
<b>1st Semester</b>		
CET 411	Cost Estimating	3
CET 415	Construction Project Management	3
CIMT 405	Advanced Concrete Testing and Quality Assurance	3
CIMT 497	Co-op Work Experience I	3
	Technical Elective (300-400 level)	3
	Term Credits	15
<b>2nd Semester</b>		
	Humanities and Social Science Senior Seminar GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone</a> )	3
CET 413	Environmental Science	3
MNET 414	Industrial Cost Analysis	3
CIMT 410	Senior Project in CIM	3
	Technical Elective(300-400 level)	3
	Term Credits	15
	Total Credits	120

## Free Electives

Consult the program coordinator. Students transferring into this program with fewer than 9 credits in humanities/social science must take an appropriate humanities/social science course to fulfill the NJIT GER.

## Co-op

Co-op is a required course in this program, and must be approved by the faculty advisor and Career Services.

*This curriculum represents the maximum number of credits per semester for which a student is advised to register. A full-time credit load is 12 credits.*

*First-year students are placed in a curriculum that positions them for success which may result in additional time needed to complete curriculum requirements. Continuing students should consult with their academic advisor to determine the appropriate credit load.*