

B.S. in Concrete Industry Management

(120 credits minimum)

First Year

1st Semester		Credits
MATH 138	General Calculus I ¹	3
PHYS 102	General Physics I	3
PHYS 102A	General Physics I Lab	1
SDET 101 or CS 106	Fundamentals of Software and Data Technologies ² or Introduction to Computing	3
ENGL 101	English Composition: Introduction to Academic Writing	3
CIM 101	Introduction to the Concrete Industry	3
FYS SEM	First-Year Student Seminar	0
Term Credits		16

2nd Semester

Free Elective ³		3
ACCT 117	Principles Of Fin Accountng	3
CHEM 121	Fundamentals of Chemical Principles I	3
CHEM 125A	General Chemistry Lab I	1
ENGL 102	English Composition: Introduction to Writing for Research	3
MET 103	Introduction to Engineering Technology Design	2
Term Credits		15

Second Year**1st Semester**

CIM 205	Concrete Properties & Testing	3
CIM 210	Concrete Applications	3
MET 105	Applied Computer Aided Design	2
Technical Elective (100-200 level)		3
Free Elective		3
Term Credits		14

2nd Semester

MIS 245	Introduction to Management Information Systems	3
Technical Elective (100-200 level)		3
COM 313	Technical Writing	3
History and Humanities GER 200 level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/)		3
CIM 215	Concrete Repair	3
Term Credits		15

Third Year**1st Semester**

CET 313	Principles of Heavy Highway Construction	3
MGMT 390	Principles of Business	3
CIM 310	Concrete Products and Delivery	3
FIN 315	Fundamentals of Corporate Finance	3
CET 423	Construction Safety	3
Term Credits		15

2nd Semester

CET 314	Principles of Building Construction	3
MRKT 330	Principles of Marketing	3
CIM 315	Concrete Construction Methods	3

History and Humanities GER 300+ level (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/)		3
MNET 315	Industrial Statistics	3
Term Credits		15
Fourth Year		
1st Semester		
CIM 405	Advanced Concrete Testing and Quality Assurance	3
MNET 420	Quality Systems	3
IET 416	Applied Operations and Project Management	3
CIM 497	Co-op Work Experience I	3
Technical Elective (300-400 level)		3
Term Credits		15
2nd Semester		
CIM 410	Senior Project in CIM	3
Humanities and Social Science Senior Seminar GER (http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/)		3
CET 413	Environmental Science	3
MNET 414	Industrial Cost Analysis	3
Technical Elective(300-400 level)		3
Term Credits		15
Total Credits		120

¹ MATH 107 is taken based on math course placement.

² This Computing Literacy GER can be satisfied with any course from this link: [Computing Literacy GER](#)

³ MATH 138 is taken here if MATH 107 was taken based on math course placement.

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.

Approved Technical Electives

Code	Title	Credits
ECET 201	Circuit Analysis DC and AC	3
CET 317	Construction Computing	3
CET 322	Construction Codes and Regulations	3
MATH 238	General Calculus II	3
MET 235	Statics for Technology	3
MET 237	Strength of Materials for Technology	3
SET 200	Introduction To Geomatics	2
SET 200A	Introduction to Geomatics Lab	1

Additional courses may be substituted as Technical Electives after obtaining prior approval from the CIM Program Coordinator. MATH 107/108/110 cannot be used to satisfy any technical electives.

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.