

Dual Degree Program (150 credits)
B.S. in Concrete Industry Management (CIM)
B.S. in Industrial Engineering Technology (IET)

Freshman (36 credits)

MATH 138 (GER)	General Calculus I	3		MATH 105	Elementary Probability and Statistics	3	
SDET 101 or CS 106 (GER)	Fundamentals of Software and Data Technologies ¹ or Introduction to Computing	3		PHYS 103	General Physics II	3	
PHYS 102	General Physics I	3		PHYS 103A	General Physics II Lab	1	
PHYS 102A	General Physics I Lab	1		ENGL 102	English Comp: Introduction to Writing for Research	3	
ENGL 101 (GER)	English Comp: Writing, Thinking, Speaking	3		ACCT 117	Principles Of Fin Accountng	3	
MET 103	Introduction to Engineering Technology Design	2		MET 105	Applied Computer Aided Design	2	
CIM 101	Introduction to the Concrete Industry	3		ECET 201	Circuit Analysis DC and AC	3	
ET 101	Intro. to Engineering Tech.	0					
Freshman Seminar	Freshman Seminar	0					
	Total:	(18)			Total:	(18)	

Sophomore (35 credits)

ENGR 211	Professional Skills for Engineers I	1		MNET 215	Materials and Processes for Technology	3	
ECON 201	Economics ²	3		MGMT 290	Business Law I	3	
CIM 205	Concrete Properties & Testing	3		MIS 245	Introduction to Management Information Systems	3	
CIM 210	Concrete Applications	3		CIM 215	Concrete Repair	3	
History and Humanities GER 200 level		3		COM 313	Technical Writing	3	
CHEM 121	Fundamentals of Chemical Principles I	3		MET 205	Advanced Computer Aided Design	3	
CHEM 125A	General Chemistry Lab I	1					
	Total:	(17)			Total:	(18)	

Junior (37 credits)

CET 313	Principles of Heavy Highway Construction	3		COM 310	Organizational and Group Communication	3	
MGMT 390	Principles of Business	3		ECET 329	Analog and Digital Electronics	3	
MNET 300	Concepts In Machining	3		IET 318	Applied Process Design	3	
CIM 310	Concrete Products and Delivery	3		IE 355	Human Factors	3	
MNET 315	Industrial Statistics	3		CIM 315	Concrete Construction Methods	3	
ENGR 312	Professional Skills for Engineers II	1		CET 314	Principles of Building Construction	3	
HRM 301	Organizational Behavior	3					
	Total:	(19)			Total:	(18)	

New Jersey Institute of Technology

School of Applied Engineering & Technology

Senior (36 credits)

IET 423	Workplace Design and Measurement	3		MRKT 330	Principles of Marketing	3	
IET 416	Applied Operations and Project Management	3		MNET 414	Industrial Cost Analysis	3	
CIM 405	Advanced Concrete Testing and Quality Assurance	3		MET 415	Automatic Control Systems	3	
MNET 420	Quality Systems	3		CET 413	Environmental Science	3	
CET 423	Construction Safety	3		ET 450	Multidisciplinary Capstone Project	3	
FIN 315	Fundamentals of Corporate Finance	3		Humanities and Social Science Senior Seminar GER		3	
	Total:	(18)			Total:	(18)	

Summer/Fifth Year (6 credits)

CIM 497	Co-op Work Experience I	3					
Technical Elective ³		3					
	Total:	(6)					

¹. This Computing Literacy GER can be satisfied with any course from the Computing Literacy GER.

². This course can be satisfied with ECON 265 or ECON 266.

³. From Approved Technical Electives listed in the B.S. in Concrete Industry Management and B.S. in Industrial Engineering Technology programs.