

NASSAU COMMUNITY COLLEGE

NEW YORK INSTITUTE OF TECHNOLOGY

Civil Engineering Technology, A.A.S.

Bachelor of Science Construction Engineering

2021

Course	Credit	Course	Credit
First Semester:			
CET 101 Residential Construction Methods	2	ARCH 476 Modern Construction Technologies	3
CET 150 Blueprint Reading	3	CENG 201 Civil Engineering Graphics	3
ENS 105 Introduction to CAD	2		
CET 103 Introductory Civil Engineering Technology	2	ETCS 105 Career Discovery	2
ENG 100 Enhanced Composition I or ENG 101 Composition I or ENG 108 The Craft of Composition / Honors English I	3	FCWR 101 Writing I	3
Math by Advisement Recommended: MAT 122 Calculus I	4	MATH 170 Calculus I	4
Second Semester:			
CET 111 Structural Drawing I (with CENG 211 below)	2	STEM elective	3
CET 218 Statics of Structures	3	MENG 211 Engineering Mechanics I	3
CET 231 Elementary Surveying	3	CENG 301 Surveying and Geomatics	3
English Elective (COM 101 or ENG 102)	3	FCSP 105 Speech Comm or FCWR 151 Writing II	3
Math by Advisement Recommended: MAT 123 Calculus II	4	MATH 180 Calculus II	4
Third Semester:			
CET 201 Construction Estimating	2	ARCH 473 Construction Management Contracts	3
CET 211 Structural Drawing II	2		
CET 219 Mechanics of Materials	3	MENG 212 Strength of Materials	3
CET 222 Materials Testing Laboratory	1		
CET 232 Route Surveying	3	Tech elective	3
PED Activity Course(s)	1		
PHY College Level, by Advisement Recommended: PHY 151 Physics Science and Math I	4	PHYS 170 General Physics I	4
Fourth Semester:			
CET 223 Structural Steel Design	3	CENG 310 Steel Structures	3
CET 225 Soils and Foundations	3	CENG 360 Geotechnical Engineering	3
CET 240 Hydraulics	3	CENG 380 Fluid Mechanics and Hydraulics	3
PED Activity Course(s)	1		
PHY College Level, by Advisement Recommended: PHY 152 Physics Science and Math II	4	PHYS 180 General Physics II	4
Social Science Elective	3	Liberal art elective	3
TOTAL	64	TOTAL	60

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*The following are courses necessary to complete the NYIT BS in Construction Engineering, after transferring from Nassau CC with a completed AAS in Civil Engineering Technology.
Please see preceding page for course-by-course transfer information.*

NYIT Course	Credit
Construction Engineering	
MENG 212 Engineering Mechanics II (Dynamics)	3
CENG 260 Civil Engineering Materials	3
CENG 312 Concrete Structures	3
CENG 320 Mechanical and Electrical Sys in Buildings	3
CENG 340 Structural Analysis and Design	3
ARCH 471 Construction Supervision and Management I	3
CENG 470 Construction Engineering Senior Design	4
Technology Elective	
	3
Computer Science	
MENG 201 Engineering Programming	3
Engineering Management	
IENG 240 Engineering Economics	3
IENG 245 Statistical Design I	3
IENG 251 Project Engineering	3
Mathematics and Sciences	
MATH 260 Calculus III	4
MATH 320 Differential Equations	3
CHEM 107 Engineering Chemistry I	4
Foundation Courses	
FCSP 105 Foundations of Speech Communication OR FCWR 151 Writing II	3
FCWR 304 Communication for Technical Professions	3
Seminars	
ICLT Literature Seminar	3
ICBS Behavioral Science	3
ICPH Philosophy Seminar	3
ICSS 309 Technology and Global Issues	3
TOTAL	66

Babak D. Beheshti

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11/1/2021

Date