

**QUEENSBOROUGH
COMMUNITY COLLEGE**

**NEW YORK INSTITUTE
OF TECHNOLOGY**

*Associate in Applied Science
Computer Engineering Technology
2019*

*Bachelor of Science in
Electrical and Computer Engineering
Technology
2019*

Course	Credit	Course	Credit
General Education Core Requirements			
EN-101 English Composition I	3	FCWR 101 Found of College Composition I	3
EN-102 English Composition II	3	FCWR 151 Found. of College Composition II	3
MA-114 College Algebra and Trigonometry for Technical Students	4	MATH 135 Foundations of Pre-Calculus I	4
		MATH 155 Foundations of Pre-Calculus II	4
MA-128 Calculus for Technical and Business Students	4	MATH 161 Basic Applied Calculus	3
		Credit used for MATH 135	-
PH-201 General Physics I	4	PHYS 130 Introductory Physics +	3
		Credit used for MATH 135	-
PH-202 General Physics II	4	PHYS 150 Introductory Physics II	3
Electives in History or Social Science: Select two courses	3 3	Liberal Arts Elective	3
		Liberal Arts Elective	3
Requirements for the Major			
TECH-100 Intro. to Engineering and Technology	1	Credit used for MATH 135	-
ET-110 Electric Circuit Analysis I	4	ETEC 110 Electrical Technology I	4
ET-140 Sinusoidal and Transient Circuit Analysis	3	ETEC 120 Electrical Technology II	4
ET-210 Electronics I	4	ETEC 131 Electronics Technology I	4
ET-220 Electronics II	4	ETEC 231 Electronics Technology II	4
ET-230 Telecommunications I	4	ETEC 490 Special Topics I	3
ET-320 Electrical Control Systems	3	ETEC 410 Control Systems Technology	4
ET-410 Electronic Project Laboratory	1	Credit used for ETEC 410	-
ET-509 Programming for Embedded Systems	1	Credit used for MATH 135	-
ET 540 Digital Computer Theory I	4	CTEC 216 Digital Electronics	4
ET-560 Microprocessors and Microcomputers	4	CTEC 235 Microcomputers I	4
Electives			
ET Elective	3	ETEC/CTEC Elective	3
TOTAL	64	TOTAL	63

Program of study at New York Institute of Technology

Bachelor of Science in Electrical and Computer Engineering Technology

Courses to be completed at NYIT:

<u>Major courses:</u>		<u>Credits</u>
EETEC 310	Communications Circuits	4
EETEC 325	Applied Statistics	3
EETEC 495	Senior Design Project	3
CTEC 204	Programming Techniques I	3
CTEC 208	Programming Techniques II	3
CTEC 241	Circuit Design and Fabrication	4
CTEC 243	Applied Computational Analysis I	3
CTEC 247	Applied Computational Analysis II	3
CTEC 336	Embedded Systems and IOT	4
CTEC 350	Microcontroller Based Systems	3
IENG 240	Engineering Economics	3
IENG 251	Project Engineering	3
Electrical/Computer Technology Electives		3

Core and additional requirements:

FCSP 105	Foundations of Speech Communication	3
FCSC 101	Foundations of Scientific Process	3
FCIQ 101	Foundations of Inquiry	3
FCWR 304	Communication for Technical Professions	3
ICLT 3**	Literature Choice	3
ICPH 3**	Philosophy Choice	3
ICBS 3**	Behavioral Science Choice	3
ICSS 309/IENG 400	Technology and Global Issues	3
ETCS 105	Career Discovery	Waived

Total Credits at New York Institute of Technology: 66 Credits



Dr. Babak Dastgheib-Beheshti, Dean
College of Engineering and Computing Sciences

8/16/2019

Date

