

NASSAU COUNTY COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
<i>A.A.S. in Electrical Engineering Technology</i>		<i>Bachelor of Science in Electrical and Computer Engineering Technology 2021-2022</i>	
Course	Credit	Course	Credit
<b>First Semester</b>			
ELT 103 : Elementary Engineering I	1	Balance CTEC 216	-
ELT 110 : Technical Practices	2	Tech Electives (2 cr.) + PHY 101 (1cr.) in lieu ETEC 490 Special Topics I	3
ELT 112 : Resistive Circuits	4	ETEC 110: Electrical Technology I	4
ENG 100 : Enhanced Composition I or ENG 101 : Composition I or ENG 108 The Craft of Composition/ Honors English I *	3	FCWR 101: Foundations of College Composition	3
Mat 109 College Algebra and Trigonometry	4	Math 135: Foundations of Pre-Calculus I	4
<b>Total Semester Credits</b>	<b>14</b>		
<b>Second Semester</b>			
ELT 113: Electronics I	4	ETEC 131 Electronics Technology I	4
ELT 115: Reactive Circuits	4	ETEC 120 Electrical Technology II	4
ELT 214 :Digital I	3	CTEC 216 (balance with ELT 103)	4
MATH 111: Pre-Calculus	4	MATH 136 Fundamentals of Pre-Calculus II	4
<b>Total Semester Credits</b>	<b>15</b>		
<b>Third Semester</b>			
COM 101 Interpersonal Communications	3	FCSP 105: Found. of Speech Communications	3
ELT 203 Automatic Control Theory II	3	ETEC 491: Special topics II	3
ELT 213 Electronics II	4	ETEC 231: Electronics Technology II	4
ELT 215 Digital II	3	CTEC 241: Circuit Design and Fabrication	3
ELT 217 Lab in Digital Electronics	1	CTEC 241: Laboratory	1
PHY 101 General Physics I	4	PHYS 130: Intro Physics I	3
<b>Total Semester Credits</b>	<b>18</b>		
<b>Fourth Semester</b>			
ELT 220 Advanced Topics in Digital Technology	4	CTEC 235: Microcomputers	4
ELT 240 Electronic Communication	4	ETEC 310: Communications Circuits I	4
PHY 102 General Physics II	4	PHY 150: Intro to Physics II	3
Social Sciences Elective	3	Lib Arts Elective	3
<b>Total Semester Credits</b>	<b>15</b>		
<b>TOTAL</b>	<b>62</b>	<b>TOTAL</b>	<b>61</b>

(\*). Depending on placement.

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>
CTEC 204	Programming Techniques I	3
CTEC 208	Programming Techniques II	3
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
ETEC 325	Applied Statistics	3
ETEC 410	Control Systems Technology	4
IENG 400	Technology and Global Issues	3
ETEC 495	Senior Design project	3
Electrical/Computer Technology Electives		3

Core and additional requirements:

Liberal Arts / Science Elective		3
Liberal Arts Elective		3
FCWR 151	Foundations of research Writing	3
FCWR304	Communication for Technical Professions	3
ICLT 3xx	Literature Choice	3
ICPH3xx	Philosophy Choice	3
ICBS 3xx	Behavioral Science Choice	3
MATH 161	Basic Applied Calculus	3
<b>Total Credits at New York Institute of Technology:</b>		<b>65</b>

Approved by Dean B. Beheshti, effective 2021



Babak Dastgheib- Beheshti, Dean  
College of Engineering & Computing Sciences

11/1/2021

Date