QUEENSBOROUGH COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY 2017	
Associate in Applied Science Electronic Engineering Technology		***Bachelor of Science in Electrical and Computer Engineering Technology***	
Course	**Credit**	**Course**	**Credit**
Common Core Requirements (24 credits)			
ENGL 101 English Composition I	3	FCWR 101 Writing I	3
ENGL 102 English Composition II	3	FCWR 151 Writing II	3
MA 114 College Algebra and Trigonometry for Technical Students	4	MATH 135 Fundamentals of Precalculus I* MATH 136 Fundamentals of Precalculus II	4 4
PH 201 General Physics I	4	PHYS 130 Introductory Physics and 1 credit used for MATH 135	3
PH 202 General Physics II	4	PHYS 150 Introductory Physics II and 1 credit used for MATH 135	3
History or Social Science (2 courses)	6	Liberal Arts Elective	6
Major Requirements (33 credits)			
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 310 Communication Circuits	4
ET 320 Electrical Control Systems	3	ETEC 410 Control Systems Technology	4
ET 410 Electronic Project Laboratory	1	Credit used for ETEC 120	-
ET 501 Computer Applications	1	Credit used for ETEC 410	-
ET 509 C++ Programming for Embedded Systems	1	Credit used for MATH 135	-
ET 510 Introduction to Digital Electronics	4	CTEC 216 Digital Electronics	4
ET 560 Microprocessors and Microcomputers	4	CTEC 235 Microcomputers I	4
Additional Major Requirement (4 credits)			
MA 128 Calculus for Technical and Business Students	4	MATH 161 Basic Applied Calculus and 1 credit used for MATH 135	3
ET Electives (3 credits)			
ET Elective	3	ETEC 490 Special Topics or Tech Equivalent	3
TOTAL	**64**	**TOTAL**	**64**

*Students will be excused from this course based on satisfactory completion of MA 114

PLAN OF STUDY

Approved by Dr. Nada Anid, Dean
School of Engineering and Computing Sciences, NYIT

- *Effective as of 2017*

Program of Study at New York Institute of Technology

Bachelor of Science, Electrical and Computer Engineering Technology

Courses to be completed at NYIT:

Major courses:		Credits
ETEC 325	Applied Statistics	3
ETEC/CTEC 495	Seminar 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 335	Microcomputers II	4
CTEC 350	Microcontroller Bases Systems	3
Electrical/Computer Technology Electives		6
Engineering Management:		
IENG 240	Engineering Economics	3
IENG 251	Project Engineering	3
Core and additional requirements:		
FCSP 105	Foundations of Speech Communication	3
FCIQ 101	Foundations of Inquiry	3
FCSC 101	Foundations of Scientific Process	3
FCWR 304	Communication for Technical Professions	3
ICBS 3XX	Behavioral Science Seminar	3
ICLT 3XX	Literature Seminar	3
ICPH 3XX	Philosophy Seminar	3
ICSS 309	Technology and Global Issues	3
Total credits at New York Institute of Technology:		65