CV THE CITY UNIVERSITY OF NEW YORK ARTICULATION AGREEMENT

A. SENDING AND RECEIVING INSTITUTIONS

Sending College: Bronx Community College of the City University of New York Department: Engineering, Physics and Technology Program: Electronic Engineering Technology Degree: Associate in Applied Science <u>Receiving College</u>: New York City College of Technology of the City University of New York Department: Electrical & Telecommunications Engineering Technology Program: Electrical Technology Degree: Bachelor of Technology

B. Admission Requirements for Senior College Program

AAS in Electronic Engineering Technology from Bronx Community College with a minimum GPA of 2.5

Bronx Community College graduates with the AAS in Electronic Engineering Technology will receive 64 credits toward the Bachelor of Technology in Electrical Technology at New York City College of Technology.

Total transfer credits granted toward the baccalaureate degree: 64

Total additional credits required at the senior college to complete baccalaureate degree: 66-68

C. COURSE TO COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

CUNY	Pathways	General	Education	Requirements
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Convir i aniways General Education Regultements					
Required Common Core					
A. English Composition (2 courses)					
ENG 110 Fundamentals of Composition and Rhetoric OR	14				
ENG 111 Composition and Rhetoric I AND					
ENG 112 Composition and Rhetoric II					
B. Mathematical and Quantitative Reasoning (1 course)					
MTH 30 Pre-Calculus Mathematics (4 cr)					
C. Life and Physical Sciences (1 course)					
PHY 11 College Physics I (4 cr)					
Flexible Common Core					
A. World Cultures and Global Issues (1 course)					
HIS 10 History of the Modern World OR HIS 11 Introduction to the Modern World					
D. Individual and Society (1 course)					
COMM 11 Fundamentals of Interpersonal Communication	10				
E. Scientific World (1 course)	10				
PHY 12 College Physics II (4 cr)					
Subtotal	24				

Major Requirements				
Bronx Community College Course & Title	Credit	New York City College of Technology Course & Title	Credit transfer red	Granted Towards degree
ELC 15 Computer Application	2	EET 1102 Techniques of Electrical Technology	2	2
ELC 11 DC Circuit Analysis	4	EET 1122 Circuit Analysis I	4	4
ELC 51 Electronic Controls	3	EET 2220 Electronic Controls	3	3
ELC 96 Digital Electronics	4+	EET 2162 Digital Electronics 1	3 +	8
ELC 21 Ac Circuit Analysis	4	EET 1222 Circuit Analysis II	5	
ELC 25 Electronics I		EET 1240 Electronics +	4 +	5
	4+	EET 1241 Electronics Laboratory	1	
ART 10 Art Survey OR	1			
MUS 10 Music Survey				
ELC 35 Electronics 2	4	EET 2122 Advanced Circuit Analysis +	3+	4
	4	EET 1202 Electrical Drafting	1	
ELC 81 Electronic Communications		EET 2140 Communications Electronics +	3+	4
	4	EET 2141 Communications Electronics	1	
		Laboratory		
ELC 94 Laser & Fiber Optics		EET 2171 Projects Laboratory +	1+	6
ELC 18 Computer Programming	4+	EET 2251 Electric Machines Laboratory +	1+	
	2	EET 2262 Digital Electronics II +	3+	
		EET 2271 Circuit Analysis Laboratory	1	
FYS 11 First Year Seminar	1	Elective Credit	1	0
MTH 31 Calculus and Analytical	4	MAT 1475 Calculus I	4	4
Geometry I				
PEA Physical Education Activity	1	Elective Credit	1	0
Course				
SUBTOTAL 42				

TOTAL

D. Associate Level and Senior College Upper Division Courses Remaining For Baccalaureate Degree Completion

Pathways	Credits
FLEXIBLE CORE	
US Experience in its Diversity	
 ECON 1101 Macroeconomics (3 cr) 	
Creative Expression	
 Any Approved Course (3 cr) 	
Individual and Society	
 PHIL 2106 Philosophy of Technology (3 cr) 	16
COLLEGE OPTION REQUIREMENTS	
BCC's COMM 11 will fulfill the speech requirement.	
Interdisciplinary Liberal Arts and Sciences	
Any approved course (3 cr)	
Additional Liberal Arts	
 MAT 1575 Calculus II (4 cr) 	
SUBTOTAL	16
Writing Intensive Requirement	
Students at New York City College of Technology must complete two courses designated Writing Inten	sive
(WI) for the baccalaureate level, one from General Education (liberal arts) and one from the major.	<i>a</i> u
Electrical Technology Major	Credits
Associate-Level Courses	
EET 2150 Electric Machines Theory (3 cr)	
Baccalaureate-Level Courses	
EET 3102 Signals and Systems (4 cr)	
EET 3112 Advanced Microcontroller and Embedded System Design (3 cr)	
EET 3122 Sensors and Instrumentation (3 cr)	
EET 3202 Principles of Communications Systems (4 cr)	36
EET 3212 Control Systems (4 cr)	
EET 3222 Power Electronics (3 cr)	
EET 4102 Electrical Power Systems (3 cr)	
EET 4112 Applied Mechatronics (3 cr)	
EET 4202 Digital Signal Processing (3 cr)	
EET 4212 Capstone Project (3 cr)	
MAT 1372 Statistics with Probability	3 OR 4
OR	
MAT 2572 Probability and Mathematical Statistics L	
ENG 2570 Writing in the Workplace (3 cr)	6
ENG 2575 Technical Writing (3 cr)	Ũ
Technical Electives	
Students should select two technical electives from the following list in consultation with a faculty	
advisor:	
EET 3132 Remote Sensing (3 cr)	
EET 4120 Engineering Technology Management (2 cr)	
TCET 3222 Satellite Transmission (3 cr)	5-6
TCET 4102 Fiber-Optic Communications (3 cr)	
TCET 4132 Wireless Communications (3 cr)	
TCET 4140 Telecommunications Network Management (3 cr)	
TOTAL	

E. Articulation Agreement Follow-Up Procedures

1. Procedures for reviewing, up-dating, modifying or terminating agreement:

When either of the degree programs involved in this agreement undergoes a change, the agreement will be reviewed and revised accordingly by faculty from each institution's respective departments or programs, selected by their Chairpersons and program directors.

2. Procedures for evaluating agreement, e.g., tracking the number of students who transfer under the articulation agreement and their success:

The CUNY Institutional Research Database will be used to track performance (in terms of credit accumulation and GPA) and persistence (in terms of retention and graduation) of Bronx Community College students who transfer to New York City College of Technology under this agreement

3. Sending and receiving college procedures for publicizing agreement, e.g., college catalogs, transfer advisers, Websites, etc.:

Notice of articulation will be placed in the respective catalogues, recruiting brochures, and websites.

Respective transfer and academic advisers will be informed and provided with copies of this agreement.

The New York City College of Technology Electrical and Telecommunications Engineering Technology will coordinate efforts with their respective Admissions Office to make certain that materials are sent with recruitment officers for BCC's annual Transfer Day event or STEM Fair.