

NEW YORK CITY COLLEGE OF TECHNOLOGY OF THE CITY UNIVERSITY OF NEW YORK

ARTICULATION AGREEMENT FORM

Effective Date: Fall 2014

A. SENDING AND RECEIVING INSTITUTIONS

Sending College: Queensborough Community College (QCC)

Department: The Engineering Technology Program: Electronic Engineering Technology Degree: The Associate in Applied Science (A.A.S)

Receiving College: New York City College of Technology (NYCCT)

Department: Computer Engineering Technology Program: Computer Engineering Technology Degree: The Bachelor of Technology (B.Tech)

B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

- The A.A.S degree and a minimum GPA of 2.00
- GPA of 2.50 or better in major courses
- Grade of C or better in credit-bearing mathematics courses worth three or more credits

Students who wish to transfer but do not meet all of the above requirements or are unable to enroll within two years after graduation will receive admission consideration under our standard transfer credit policies.

In order to satisfy the B.Tech degree requirements, students must select the appropriate general education common core and flexible core courses to satisfy CUNY pathway requirements for the degree program.

Total transfer credits granted toward baccalaureate degree: 64

Total additional credits required at the senior college to complete baccalaureate degree: 64

Total credits required for the B.Tech degree in Computer Engineering Technology: <u>128</u>

C. COURSE TO COURSE EQUIVALENCES AND/OR TRANSFER CREDIT AWARDED

ELECTRONIC ENGINEERING TECHNOLOGY A.A.S DEGREE AT QCC

	Electronic E	ngineering Technology A.A.S. Degree Progra	am (EET-AAS) at QCC		
Requiremen	ts for the Major				
Code	Course Title				
ET-110	Electric Circuit	Analysis I		4	
ET-140	Sinusoidal and Transient Circuit Analysis				
ET-210	Electronics I				
ET-220	Electronics II				
ET-230	Telecommunications I				
ET-320	Electrical Controls Systems				
ET-410	Electronic Project Laboratory				
or ET-420	or Computer Project Laboratory				
ET-501	Computer Applications				
ET-509	C++Programming for Embedded Systems				
ET-510	Introduction to Digital Computers				
ET-560	Microprocessors and Microcomputers				
Electives	ET electives				
		Subtotal Crea	lits Required for the Major	36	
General Edu	cation Core Req	uirements			
EN-101	Required Core			3	
EIN-101	English Composition I English Composition				
EN-102	English Composition II Required Core English Composition			3	
EIN-102					
MA-114	College Algebra and Trigonometry for Technical Students		Required Core (QR)	4	
MA-128	Calculus for Ted	chnical and Business Students	Additional Course (QR)	4	
PH-201	General Physics	s1	Required Core	4	
111 201	General i mysics i		Life & Physical Sciences	4	
PH 202	General Physics II			4	
	General Hysics II		Scientific World		
Two approved courses in Social Science or History		World Cultures and Global Issues		İ	
		US Experience in its Diversity,	Flexible Core	6	
		Individual and Society or Scientific World			
Subtotal Credits Required for General Education					
			Total Credits	64	

D. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE

Courses students will be required to take at New York City College of Technology after completing the A.A.S. in Electronic Engineering Technology AT QCC:

		Program – Specific Degree Require				
Associate De	gree in Electronic Engin	eering Technology (AAS-EET) at QC	C, 36 transfer credits awarded at AA	S level		
Baccalaurea	te Level Degree Requir	ements for the Major (46 credits)				
Code	Course Title	Course Title				
CET 3510	Microcomputer Syste	Microcomputer Systems Technology				
CET 3615	Instrumentation and Data Acquisition					
CET 3625	Applied Analysis Laboratory					
CET 3640	Software for Computer Control					
CET 4705	Component and Subsystem Design I					
CET 4711	Computer Controlled System Design I					
CET 4952	Robotics Technology (Required only for students with AAS in CET/EET/TCET) Note: The course code will be changed to CET 4752					
CET 4773	Inter-networking Technology					
CET 4805	Component and Subsystem Design II					
CET 4811	Computer Controlled System Design					
CET 4864	Feedback Controlled Systems					
Technical Elective	CET 4900 Series, CET 3910, CST 3500 Series or higher, or TCET 3100 series or higher					
Technical	Must take CST 2403 (or equivalent) if not taken at Associate Level, or					
Elective	CET 4900 Series, CET 3910, CST 3500 Series or higher, or TCET 3100 series or higher			3		
MAT 1575	Calculus II	(Pathways: Flexible Core - Scientific World)		4		
MAT 2680	Differential Equation	, ,				
	S	ubtotal Credits Required for Baccald	aureate Level Degree Requirements	46		
General Edu	cation Core Requireme					
Life/Physical	Sciences) and Flexible		cical and Quantitative Reasoning, cues, US Experience in its Diversity, In rse, 28 transfer credits awarded at A			
Four approved courses in Behavioral Science/Social Science, Literature/Aesthetics/Philosophy		World Cultures and Global Issues US Experience in its Diversity Individual and Society Creative Expression	Flexible Core including interdisciplinary course - CityTech College Option	12		
COM 1330		Public Speaking or other	Speech/Oral Communication - CityTech College Option	3		
MAT 2580		Introduction to Linear Algebra	Pathways: Flexible Core - Scientific World	3		
		Subtotal Cred	dits Required for General Education	18		
			Total Credits	64		

Specialization: For students entering with an AAS in Electronic Engineering Technology, EMT 2455 Data Communications (2cr) and EMT 2390L Operating Systems Laboratory (1cr) will be required. Students may be able to meet these requirements by appropriate courses.

Total degree credits to be taken at New York City College of Technology: 64

Total Credits Required for the BTech Degree:

128

Total program-specific required and elective courses: <u>82 credits</u> (46 credits to be taken at NYCCT, 36 transfer credits awarded).

Total General Education Core: 46 credits (18 credits to be taken at NYCCT, 28 transfer credits awarded).