

### 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: Computer 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: 128COURSE TO

# COURSE EQUIVALENCES AND/OR TRANSFER CREDIT AWARDED

# COMPUTER ENGINEERING TECHNOLOGY A.A.S DEGREE AT QCC

Computer Engineering Technology A.A.S. Degree Program (CET-AAS) at QCC								
Requirement	s for the Major							
Code	Course Title							
ET-110	Electric Circuit Analysis I							
ET-140	Sinusoidal and Transient Circuit Analysis							
ET-210	Electronics I							
ET-350	Computer Control Systems							
ET-420	Computer Project Laboratory							
or ET-410	or Electronic Project Laboratory							
ET-501	Computer Applications							
ET-502	Introduction to Computer Programming							
ET-504	Operating Systems and System Deployment							
ET-509	C++Programming for Embedded Systems							
ET-540	Digital Computer Theory I							
ET-542	Computer and Electrical Device Applications							
ET-560	Microprocessors and Microcomputers							
ET-704	Networking Fundamentals I							
Electives	ET electives							
Subtotal Credits Required for the Major								
General Educ	cation Core Req	uirements						
EN-101	English Composition I		Required Core	3				
EIN-101			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 Technical and Business Students		Additional Course (QR)	4				
PH-201	General Physics I		Required Core	4				
F11-201	Life & Physical Sciences			4				
PH 202	General Physics II  Flexible Core Scientific World		Flexible Core	4				
111202			Scientific World	7				
Two approve	ved courses ence or History	World Cultures and Global Issues		6				
		US Experience in its Diversity,	Flexible Core					
III Jociai Jelei	nee or riistory	Individual and Society or Scientific World						
Subtotal Credits Required for General Education								
			Total Credits	64				

### C. 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 Computer Engineering Technology at QCC:

Computer Engineer	ing Technology	Program – Specific Degree Requirer	ments and Electives					
Associate Degree in	Computer Engin	eering Technology (AAS-CET) at QCC	C, 36 transfer credits awarded at AA	S level				
Baccalaureate Level Degree Requirements for the Major (46 credits)								
Code Cour	se Title			Credits				
CET 3510 Micro	ocomputer Syste	ems Technology		4				
CET 3615 Instr	umentation and	Data Acquisition		4				
CET 3625 Appli	Applied Analysis Laboratory							
CET 3640 Softv	Software for Computer Control							
CET 4705 Com	Component and Subsystem Design I							
CET 4711 Com	Computer Controlled System Design I							
CFT 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	Inter-networking Technology							
CET 4805 Com	Component and Subsystem Design II							
	Computer Controlled System Design							
CET 4864 Feed	Feedback Controlled Systems							
Technical CET 4	CET 4900 Series, CET 3910, CST 3500 Series or higher, or TCET 3100 series or higher							
Technical Must	Must take CST 2403 (or equivalent) if not taken at Associate Level, <b>or</b>							
Elective CET 4	CET 4900 Series, CET 3910, CST 3500 Series or higher, or TCET 3100 series or higher							
MAT 1575 Calcu	Calculus II (Pathways: Flexible Core - Scientific World)							
MAT 2680 Diffe	Differential Equations (Pathways: Flexible Core - Scientific World)			3				
Subtotal Credits Required for Baccalaureate Level Degree Requirements								
General Education Core Requirements								
CUNY Pathway: Required Core (English Composition I and II, Mathematical and Quantitative Reasoning, Life/Physical Sciences) and Flexible Core (World Cultures and Global Issues, US Experience in its Diversity, Individ and Society, Creative Expression, Scientific World), and Additional Course, 28 transfer credits awarded at AAS le								
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 Credits Required for General Education								
Total Credits								

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

## **Total Credits Required for the B.Tech Degree:**

64 128

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).