



**THE CITY UNIVERSITY OF NEW YORK  
ARTICULATION AGREEMENT**



**Eugenio Maria de Hostos Community College and New York City College of Technology  
Transfer Articulation Agreement**

**A. SENDING AND RECEIVING INSTITUTIONS**

**Sending College:** Eugenio Maria de Hostos Community College (Hostos)  
**Department:** Mathematics | Engineering  
**Program:** Electrical Engineering  
**Degree:** A.S.

**Receiving College:** New York City College of Technology (City Tech)  
**Department:** Computer Engineering Technology  
**Program:** Computer Engineering Technology  
**Degree:** BTech

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**B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM**

Upon acceptance into the BTech in Computer Engineering Technology (CET) Program at New York City College of Technology (City Tech), graduates with an A.S. in Electrical Engineering (EE) from Eugenio Maria de Hostos Community College (Hostos) will be granted a total of 63 transfer credits from the EE program at Hostos. From course equivalence, 55 credits will count towards the BTech in CET. Transferring students will be required to complete additional 73 credits in the CET Program to earn the BTech in CET degree at City Tech.

### C. TRANSFER CREDITS AWARDED

CUNY Pathways Key:

RC = Required Core

CO = College Option

FC = Flexible Core

WI = Writing Intensive

LPS-Life/Phy Sci

E1; E2 –Eng Comp I, II

MQR-Math/Quan.Reasoning

IS-Ind/Society

SW-Scientific World

WC-World Cultures

US-US Exp/Diversity

<b>Hostos Community College (A.S.) Transfer Credits Awarded</b>	<b>Area</b>	<b>Credits</b>
<b>I. Required Core (4 courses, 14 credits)</b>		
ENG 110: Expository Writing (English Composition)	E1 RC	3
ENG 111: Literature and Composition (English Composition)	E2 RC	3
MAT 210: Calculus I	MQR RC	4
CHE 210: General Chemistry I (optional WI)	LPS RC	4
<b>II. Flexible Core (6 courses, 20 credits)</b>		
Flexible common core: World cultures and global issues	WC FC	3
Flexible common core: US experience in its diversity	US FC	3
Flexible common core: Creative expression	CE FC	3
Flexible common core: Individual & society	IS FC	3
CHE 220: General Chemistry II (optional WI)	SW FC	4
PHY 210: General Physics I (optional WI)	SW FC	4
<b>Total General Education Common Core Credits</b>	<b>Subtotal</b>	<b>34</b>
<b>III. Major Requirements (8 courses, 30 credits)</b>		
CSC 215: Modern Programming		3
ENGR 103: Analysis Tools for Engineers		2
ENGR 204: Electric Circuits		3
MAT 220: Calculus II		4
MAT 310: Calculus III		4
MAT 320: Linear Algebra & Vector Analysis		3
MAT 360: Ordinary Differential Equations		3
PHY 220: General Physics II (WI)		4
ENG 202: Technical Writing (optional WI)		3
<b>Total Major Requirements</b>	<b>Subtotal</b>	<b>29</b>
<b>Total A.S. Degree Requirements</b>		<b>63</b>

Students are required to take two (2) Writing Intensive (WI) courses to graduate from Hostos. They can fulfill this requirement taking Gen. Ed. WI courses and/or taking the WI courses offered within the EE Major. In general, Engineering students are advised and encouraged to take the latter option. **The 5 WI courses currently available in the EE major are marked with WI in the table above.**

## D. COURSE EQUIVALENCIES

Hostos Community College Course	Cr	City Tech Course	Cr
<b>1. Engineering Related Courses (8 Credits)</b>			
CSC 215: Modern Programming	3	EMT 1111 Logic and Problem-Solving	1
ENGR 103: Analysis Tools for Engineers	2	EMT 1120 Technical Graphics	1
ENGR 204: Electric Circuits	3	EMT 1130 Electromechanical Manufacturing Lab.	1
		EMT 1150 Electrical Circuits	5
<b>Subtotal</b>	<b>8</b>		<b>8</b>
<b>2. General Education (40 Credits)</b>			
ENG 110: Expository Writing (English Composition)	3	ENG 1101 English Composition I	3
ENG 111: Literature and Composition (English Composition)	3	ENG 1121 English Composition II	3
MAT 210: Calculus I	4	MAT 1475 Calculus or higher (SW)	4
PHY 210: General Physics I	4	Physics I (LPS)	4
PHY 220: General Physics II	4	Physics II (SW)	4
Flexible common core: World cultures and global issues	3	Flexible common core	3
Flexible common core: US experience in its diversity	3	Flexible common core	3
Flexible common core: Creative expression	3	*Flexible common core and/or Writing Intensive	3
Flexible common core: Individual & society	3	*Flexible common core an/or Writing Intensive	3
MAT 320: Linear Algebra & Vector Analysis	3	MAT 2580 Introduction to Linear Algebra (College Option)	3
MAT 310: Calculus III	4	(Mathematical and Quantitative Reasoning)	4
CHE 210: General Chemistry I	4	Liberal Arts (College Option)	3
<b>3. Other Major Requirements (7 Credits)</b>			
MAT 220: Calculus II	4	MAT 1575 Calculus II	4
MAT 360: Ordinary Differential Equations	3	MAT 2680 Differential Equations	3
<b>Total</b>	<b>56</b>		<b>55</b>

Note that the requirement of two GenEd Writing Intensive (WI) courses at City Tech will be satisfied with the two WI courses transferred from Hostos. The transferred WI courses could be Flexible Common Core WI courses and/or EE Major WI courses (CHEM 210-WI, CHEM 220-WI, PHY 210-WI, PHY 220-WI, ENG 202-WI).



**E. SENIOR COLLEGE COURSES REMAINING FOR COMPLETING BACCALAUREATE DEGREE**

	Area	Credits
<b>I College Option (23 courses, 6 Credits)</b>		
Interdisciplinary Course	CO	3
COM 1330 Public Speaking (or higher)	CO	3
	<b>Subtotal</b>	<b>6</b>
<b>II Program Core Discipline Related Courses (23 courses, 67 credits)</b>		
EMT 1220 Mechanisms		4
EMT 1250 Fundamentals of Digital Systems		4
EMT 1255 Electronics		4
EMT 2320 Advanced Mechanisms		5
EMT 2370 Computer Hardware Systems		2
EMT 2390L Operating Systems Laboratory		1
EMT 2455 Data Communications		2
EMT 2461 Electromechanical Systems Software Interface		2
EMT 2480L Electromechanical Systems Laboratory		1
EMT 2410 C/C++ Program. for Embedded Systems		3
CET 3510 Microcomputer Systems Technology		4
CET 3525 Electrical Networks		4
CET 3615 Instrumentation and Data Acquisition		4
CET 3625 Applied Analysis Laboratory		1
CET 3640 Software for Computer Control		3
CET 4705 Component and Subsystem Design I		2
CET 4711 Computer Controlled System Design		2
CET 4773 Inter-networking Technology		4
Tech Elective I		3
CET 4805 Component and Subsystem Design II		2
CET 4811 Capstone Design Project		2
CET 4864 Feedback Controlled Systems		4
Tech Elective II		4
	<b>Subtotal</b>	<b>73</b>
Total Credits Taken at New York City College of Technology		73
Total Credits Transferred from Hostos Community College		63
<b>Total Credits for the BTech</b>		<b>136</b>

**Prerequisite:** Students will be given a permission to take CET4711 with CET3640 as co or pre-requisite (instead of a pre-requisite).

**About COM 1330,** since graduated students with an A.S. in EE from Hostos have taken *VPA 192: Fundamentals of Public Speaking* (Flexible common core: Creative expression), transferring students should take a course at higher level than COM 1330 once at City Tech.

City Tech grants a BTech in CET upon satisfactory completion of the required 128 to 130 credits at City Tech. Students transferring from Hostos with an A.S. in EE (63 credits) and who complete the BTech in CET at City Tech (73 credits) will graduate with 136 credits (this includes the 55 credits of course equivalencies accepted towards the CET program and listed in Section D).

