Computer Technology
Associate of Applied Science | Degree Map

Follow this map to graduate in two years, though other paths are possible. You must average 15 credits a semester to finish in two years. Contact an advisor for additional support, and see the back for more information.

	Course PC = Program Core; RC = Required Core; FC = Flexible Core	Category	Credits	Session
SEMESTER 1	CSF101 First Year Seminar for Computer Science	PC	2	I
	ENG101 English Composition I (or ENA101)	RC	3	I
	MAT115/117 Algebra and Trigonometry (pre-requisite for MAT200)	RC	3	I
	SCP101 Topics in Physics or SCP231 General Physics I (see note on back)	RC	3	I
	MAT200 Precalculus	PC	4	II

	Course	Category	Credits	Session
SEMESTER 2	ENG102 English Composition II	RC	3	I
	MAC241 Computer Electronics I	PC	4	I
	MAC291 Computer Logic, Design & Implementation I	PC	4	I
	MAT201 Calculus I (recommended – see back)	FC	3	I
	Unrestricted (MAC101 Intro Computer Science or MAC108 Introduction to Python recommended)	PC	2	II

	Course	Category	Credits	Session
SEMESTER 3	MAC242 Computer Electronics II	PC	3	I
	MAC265 Computer Hardware Interfacing and Programming (or MAC283 - see note on back)	PC	3	I
	MAC292 Computer Logic, Design & Implementation II	PC	4	I
	Flexible Core Course	FC	3	I
	MAC289 Computer Technology Project Lab	PC	2	II

	Course	Category	Credits	Session
SEMESTER 4	MAC293 Computer Repair and Network Maintenance	PC	4	I
	MAC295 Computer Architecture (Capstone)	PC	4	I
	BTM101 Introduction to Business	PC	3	I
	Flexible Core Course (Urban Study)	FC	3	I
	Register for GRDOOO "Intent to Graduate" in CUNYfirst to apply for graduation in your final semester **Students must take at least one Urban Study course**			

Start planning now for what comes after graduation! Connect with Transfer Services and the Center for Career & Professional Development. Also see the back of this map for more information on transfer.

Program Core (PC) and Pre/Co-requisites

The Program Core (PC) is the required set of major-specific courses. Refer to the Pre- and Co-requisite list below to ensure you register for the appropriate courses.

Pre-requisite: A course which must be completed <u>prior</u> to taking another course
Co-requisite: A course which must be taken during the <u>same session</u> as another course.

1. CSF101 PRE: None
2. MAT200 PRE: MAT115/117
3. MAC241 PRE: MAT200 & English Proficiency
4. MAC242 PRE: MAC241
5. MAC265 PRE: MAC101/108/241
6. MAC289 PRE: MAC292
7. MAC291 PRE: MAT200 & English Proficiency
8. MAC292 PRE: MAC291
9. MAC293 PRE/CO: MAC242/292
10. MAC295 PRE: MAC292
11. BTM101 PRE: English Proficiency

Course Notes

Physics: Students who plan to transfer to City Tech for Computer Engineering Technology should note they will be required to take General Physics I and II at City Tech. Students can consider taking SCP231 General Physics I at LaGuardia to fulfill the Life & Physical Sciences requirement. Contact the Program Director to request a substitution. You will need to first complete MAT201 Calculus if you wish to take SCP231.

MAC265 Computer Hardware Interfacing & Programming: Students may opt to take MAC283 Computer Organization and Assembly Language instead of MAC265. Contact the Program Director to request a substitution.

Pathways Requirements & Transfer

PATHWAYS REQUIRED CORE (RC) Pathways is CUNY's general education framework. For Required Core, students must take 2 English courses, 1 Mathematics and Quantitative Reasoning course, and 1 Life and Physical Sciences course. For more details, including a list of Life and Physical Sciences courses, visit the Pathways Required Core website.

MATHEMATICS AND QUANTITATIVE REASONING
Computer Technology students should take MAT115/117 Algebra & Trigonometry because it is required for MAT200 Precalculus.

PATHWAYS FLEXIBLE CORE (FC) allows students to choose courses based on interests, transfer or career plans, or for general exploration. Associate of Applied Science students must take three courses from three separate categories listed below. View DegreeWorks or our Pathways website to see a full range of options, or talk with the program director or an advisor. <u>Note: your program has specific recommendations listed below.</u>
- <u>Creative Expression</u>
- <u>Individual & Society</u>
- <u>Scientific World</u>: **MAT201 Calculus I** recommended because it is required at City Tech
- <u>U.S. Experience in its Diversity</u>
- <u>World Cultures and Global Issues</u>

TRANSFER AGREEMENTS The Computer Technology program has an agreement with the following 4-year college. By graduating from LaGuardia and meeting certain requirements, you will be able to complete your studies at a 4-year college and earn a bachelor's degree. For more information, visit our Transfer Agreement (Articulation) web page.
1. City Tech – B.Tech in Computer Engineering Technology (https://www.citytech.cuny.edu/nsf-hsi-iuse-program/)