

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	PC	3	I
	MAC292 Computer Logic, Design & Implementation II	PC	4	I
	Flexible Core (SCP232 Physics II if transferring to City Tech – see back)	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) (student choice)	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.



Credits Required to Graduate

Category	Credits
Pathways Required Core (RC)	12
Pathways Flexible Core (FC)	9
Program Core (PC)	39
Total	60

More information at laguardia.edu/computer-technology

Effective Fall 2019-Spring 2020 catalog. Updated: 4/8/2022

Follow the map for the catalog year in which you first enrolled.
Check Degree Audit & speak to an advisor for more support.

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 prior to taking another course

Co-requisite: A course which must be taken during the same session 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

Transfer-related Course Notes

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. Students can consider taking these courses while at LaGuardia. A student can request a substitution to take SCP231 General Physics I as a Life and Physical Sciences course, and then can take SCP232 General Physics II as a Flexible Core course. Please note, if pursuing this option, students will need to wait to take SCP231 until they have completed MAT201 Calculus I. In this case, students could take BTM101 and an Urban Study course earlier in their plan.

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 Pre-calculus.

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. Note: your program has specific recommendations listed below.

- [Creative Expression](#)
- [Individual & Society](#)
- [Scientific World: MAT201 Calculus I](#) recommended because it is required at City Tech
- [U.S. Experience in its Diversity](#)
- [World Cultures and Global Issues](#)
- [Additional Flexible Core: SCP232 General Physics II](#), if taking SCP231 for Life and Physical Sciences (students should consider these courses if transferring to City Tech)

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/>)