DEGREE MAP | COMPUTER SCIENCE, AS

Follow this map to graduate in two years, though other paths are possible. Contact an advisor on My LaGuardia for additional support or if you require developmental courses. See reverse for additional information.

SEMESTER 1

Course	Category	Priority	Credits	Session
CSF101 First Year Seminar for Computer Science[3]	PC	x	2 (3hrs)	I
ENG101 English Composition I	RC	x	3 (4hrs)	I
MAT115 College Algebra and Trigonometry	RC	x	3 (4hrs)	I
Life & Physical Sciences Course Option	RC		3 (4hrs)	I
MAT200 Precalculus[1]	FC	x	4 (5hrs)	II
Flexible Core Creative Expression Course Option	FC		3	II

SEMESTER 2

Course	Category	Priority	Credits	Session
ENG102 English Composition II	RC	x	3	I
MAT201 Calculus[2]	FC	x	4	I
MAC101 Introduction to Computer Science[6]	PC	x	3 (4hrs)	I
MAT231 Introduction to Discrete Math[4]	PC		3	I
MAC125 Advanced C/C++ Programming[7]	PC		3 (4hrs)	II

SEMESTER 3

Course	Category	Priority	Credits	Session
MAT202 Calculus II[5]	PC	x	4	I
MAC281 Discrete Structures[9]	PC	x	3	I
MAC190 Object-Oriented Programming[8]	PC	x	3 (4hrs)	I
Flexible Core Course Option	FC		3	I
Flexible Core Course Option	FC		3	II

SEMESTER 4

Course	Category	Priority	Credits	Session
MAC283 Computer Organization & Assembly Language[10]	PC	x	3 (4hrs)	I
MAC286[11] or MAC270** Data Structures or Advanced Topics in Computer Science	PC	x	3 (4hrs)	I
MAT210 Linear Algebra[12]	PC	x	3	I
Flexible Core Course Option (Urban Studies)	FC		3	I

Register in CUNYfirst for "Intent to Graduate" (GRD000) in your final semester.

DEGREE FULFILLMENT

12 credits	Pathways Required Core (RC)
18 credits	Pathways Flexible Core (FC)
30 credits	Program Core (PC)
60 credits	**Total**

laguardia.edu/ComputerScience

Effective Fall 2019-Spring 2020 Catalog. Reviewed July 2019. Check Degree Audit and speak to an advisor if you enrolled prior to the listed catalog year.

LaGuardia Community College

PRE-/CO-REQUISITES

Refer to the Pre– and Co– Requisite List below to best select courses for each semester.

PRE-REQUISITE A pre-requisite course must be completed prior to taking another course.

CO-REQUISITE Co-requisite courses must be taken during the same session as another course.

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Pathways Flexible Core
1. MAT200 PRE: MAT115/117
2. MAT201 PRE: MAT200

Program Core
3. CSF101 PRE: None
4. MAT231 PRE: CSE99 & ENG99 & P/C: MAT201
5. MAT202 PRE: MAT201
6. MAC101 PRE: CSE99 & MAT200 &P/C: ENG99
7. MAC125 PRE: MAC101
8. MAC190 PRE: MAC101/MAC108
9. MAC281 PRE: MAC101 & MAT231
10. MAC283 PRE: MAC101/MAC109
11. MAC286 PRE: MAC190 & P/C: MAC281
12. MAT210 PRE: MAT 201/242

**Only students intending to transfer to Queens College should complete MAC270 instead of MAC286

IMPORTANT NOTES

DEVELOPMENTAL COURSES Based on placement results, you may require additional preparation before entering college-level English or Math courses. Options can include
a) developmental courses such as ENA099 or MAT095;
b) English-as-a-Second-Language (ESL) courses;
c) Co-requisite courses such as ENA/ENC101, CSE111, or MAT117/119/123; or
d) CUNY Start.
Speak to an advisor to find out more.

SESSIONS I AND II Each semester has two parts, Session I (12-weeks) and Session II (6-weeks). It is recommended that you take 15 credits per semester for timely graduation. For questions regarding financial aid or tuition and fees, please visit Student Financial Services in C-107.

CREDITS & HOURS Courses often meet for the same number of hours per week as academic credits awarded, but in some cases your classes meet for more hours, listed in the CREDITS column when applicable.

PRIORITY COURSES Priority Courses are important for your progress in the degree and should be taken in the suggested order.

PATHWAYS FLEXIBLE CORE You may choose Flexible Core courses based on interests or transfer goals. Speak to an advisor or view Degree Audit to see a full list of options and/or requirements. Generally, you must take courses in different categories:
- Creative Expressions
- Individual and Society
- Scientific World
- U.S. Experience in its Diversity
- World Cultures and Global Issues

URBAN STUDIES All students must complete an Urban Studies course to graduate. Urban Studies courses have an "N" at the end of the course code (e.g. HUN192).