

DEGREE MAP

NETWORK ADMINISTRATION & INFORMATION SECURITY

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	PC	x	2 (3hrs)	I
ENG101 English Composition I	RC	x	3 (4hrs)	I
MAT115 College Algebra & Trigonometry	RC	x	3 (4hrs)	I
MAC108 Programming with Python ²	PC	x	3 (4hrs)	I
Flexible Core Course Option	FC		3	II

SEMESTER 2

Course	Category	Priority	Credits	Session
ENG102 English Composition II	RC	x	3	I
SCP140 Topics in Astronomy or other Life and Physical Sciences Course Option	RC		3 (4hrs)	I
MAC227 Introduction to Cryptography and Applications ⁹	PC	x	3	I
MAC232 UNIX Network Operating Systems ³	PC	x	3 (4hrs)	I
MAC233 Windows NT Network Operating System ⁴	PC	x	3 (4hrs)	I

SEMESTER 3

Course	Category	Priority	Credits	Session
MAC237 Computer Security ¹⁰	PC	x	3	I
MAC245 Data Communication and Network Security ⁵	PC	x	3 (4hrs)	I
MAC250 Database Management Systems ⁸	PC	x	3	I
BTM101 Introduction to Business ¹	PC		3	I
MAC246 Advanced Network Security ⁶	PC		3 (4hrs)	II

SEMESTER 4

Course	Category	Priority	Credits	Session
MAC247 Advanced Systems Security ¹¹	PC	x	3	I
MAC254 Advanced Operating Systems ⁷	PC	x	4	I
MAC257 Digital Forensics ¹²	PC	x	3	I
Flexible Core Course Option	FC		3	I
Flexible Core Course Option (Urban Studies)	FC		3	II

Register in CUNY First for "Intent to Graduate" (GRDOOO) in your final semester.



DEGREE FULFILLMENT

- 12 credits Pathways Required Core (RC)
- 9 credits Pathways Flexible Core (FC)
- 39 credits Program Core (PC)
- 60 credits Total

laguardia.edu/Network-Administration

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.

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.



1. BTM101 PRE: CSE 95 & ENG 99
2. MAC108 PRE: MAT115
3. MAC232 PRE: CSE99 & ENG99 & P/C: MAC101
4. MAC233 PRE: CSE99 & ENG99 & P/C: MAC101
5. MAC245 PRE: MAC101/MAC108
6. MAC246 PRE: MAC245 & (MAC 232/233)
7. MAC254 PRE: MAC232 & 233
8. MAC250 PRE: MAC101/MAC108
9. MAC227 PRE: MAT115/117 & PRE/CO: MAC101/108
10. MAC237 PRE: MAC227 & PRE/CO: MAC 250
11. MAC247 PRE: MAC237
12. MAC257 PRE: MAC237 & 246 & PRE/CO: MAC254

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).

**Mathematics, Engineering,
& Computer Science**
E-218 | 718-482-5710

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