DEGREE MAP | PROGRAMMING & SYSTEMS UNIX CONCENTRATION

LaGuardia Community College

Effective Fall 2018

This map will guide you through timely degree completion, though other paths are possible; please see other side if you require developmental English or Math, and for additional information. Contact an advisor through My LaGuardia for additional support.

1ST YEAR

SEMESTER 1

#	Course	Fulfills	Priority	Credits	Session
ECF090	First Year Seminar for Engineering and Computer Science	PC	X	0 (2HRS)	I
ENG101	English Composition I	RC	X	3 (4HRS)	I
MAT115	College Algebra and Trigonometry	RC	X	3 (4HRS)	I
SCB101	Topics in Biological Sciences or other Life & Physical Sciences Course Option	RC		3 (4HRS)	I
MAT200	Precalculus	PC	X	4 (5HRS)	II

SEMESTER 2

#	Course	Fulfills	Priority	Credits	Session
ENG102	English Composition II	RC	X	3	I
MAC101	Introduction to Computer Science	PC	X	3 (4HRS)	I
BTM101	Introduction to Business	PC		3	I
	Flexible Core Course Option	FC		3	I
MAC109	Introduction to Visual Programming	PC	X	3 (4HRS)	II
	Flexible Core Course Option	FC		3	II

2ND YEAR

SEMESTER 1

#	Course	Fulfills	Priority	Credits	Session
MAC125	Advanced C/C++ Programming	PC	X	3 (4HRS)	I
MAC260	Introduction to Teleprocessing	PC		3 (4HRS)	I
BTA111	Principles of Accounting I	PC		3 (4HRS)	I
MAC250	Database Concepts and Programming	PC		3 (4HRS)	II
	Unrestricted Elective	PC		1	II

SEMESTER 2

#	Course	Fulfills	Priority	Credits	Session
MAC110	Systems Analysis and Design	PC	X	3 (4HRS)	I
	Unix Concentration Option (see back)	PC	X		I
	Flexible Core Course Option	PC	X	3	I
	Unix Concentration Option (see back)	PC	X	3 (4HRS)	II

Your initial English and Math courses are based on placement exams. Please see reverse side if you placed into developmental English or Math.

INFO

CREDITS & HOURS

Courses often meet for the same hours per week as academic credits awarded, but in some cases your classes meet for more hours, listed here when applicable.

PRIORITY COURSES

Priority courses are designed to be taken at specific points in your studies and should be prioritized when scheduling your classes.

SESSION I & 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.

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

DEGREE FULFILLMENT

The Math, Engineering & Computer Science Department: Programming & Systems Unix Concentration major leads to an Associate of Applied Science degree.
It is recommended that you take both Pathways (RC & FC) and Program Core (PC) each semester.

12 Credits + 9 Credits + 39 Credits = 60 Credits

RC | Pathways Required Core

FC | Pathways Flexible Core

PC | Program Core

TOTAL CREDITS

For students placing into a developmental English or Math course

1ST SEMESTER

ENGLISH NEEDED

#	Course	Fulfills	Priority	Credits	Session
ECF090	First Year Seminar for Engineering and Computer Science	PC	X	0 (2HRS)	I
ENA101 or ENC101	Composition I - Accelerated Composition I - Introduction to Writing	RC	X	3 (7HRS) 3 (4HRS)	I
MAT115	College Algebra and Trigonometry	RC	X	3 (4HRS)	I
MAT200	Precalculus	PC	X	4 (5HRS)	II
SCB101	Topics in Biological Sciences or other Life & Physical Sciences Course Option	PC		3 (4HRS)	II

MATH NEEDED

#	Course	Fulfills	Priority	Credits	Session
ECF090	First Year Seminar for Engineering and Computer Science	PC	X	0 (2HRS)	I
ENG101	English Composition I	RC	X	3 (4HRS)	I
MAT117	Algebra and Trigonometry	RC	X	3 (7HRS)	I
MAT200	Precalculus	PC	X	4 (5HRS)	II
SCB101	Topics in Biological Sciences or other Life & Physical Sciences Course Option	PC		3 (4HRS)	II

INFO

Co-requisite English

If you need to take developmental English, and are eligible for ENA101 or ENC101, follow the 1st SEMESTER sequence shown on the left to satisfy developmental needs and the ENG101 Required Core, and then see other side for the second semester and beyond.

Co-requisite Math

If you need to take developmental Math, and are eligible for MAT117 (equivalent if MAT115) or MAT119 (equivalent of MAT120), follow the 1st SEMESTER sequence shown on the left to satisfy developmental math and the Mathematics Required Core, and then see other side for the second semester and beyond.

NOTES

Unix Concentration Option – Select 2 courses (you may pick a sequence or other combination):

MAC232 UNIX Network Operating Systems -> MAC252 Advanced UNIX

MAC233 Windows Network Operating System -> MAC253 Advanced Windows

MAC265 Computer Hardware Interfacing and Programming; MAC293 Computer Repair and Network Maintenance

MORE INFO

LaGuardia.edu/EngineeringScience