

# DEGREE MAP

# LIBERAL ARTS: APPLIED MATH OPTION, 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
LMF101 First Year Seminar for Liberal Arts: Math and Science	PC	x	3 (4hrs)	I
ENG101 English Composition I	RC	x	3 (4hrs)	I
MAT115 College Algebra and Trigonometry	RC	x	3 (4hrs)	I
Flexible Core Course Option	FC		3	I
MAT200 Pre-Calculus <sup>1</sup> (Scientific World)	FC		4 (5hrs)	II

Enroll in a Learning Community to take these courses together! See reverse.

## SEMESTER 2

Course	Category	Priority	Credits	Session
ENG102 Writing through Literature	RC	x	3	I
SCB201, SCC201, SCP201 or SCP231 (Life & Physical Sciences)	RC	x	3	I
MAT201 Calculus I <sup>2</sup> (Scientific World)	FC		4	I
MAC101 Introduction to Computer Science <sup>8</sup>	PC		3 (4hrs)	I
Flexible Core Course Option	FC		3	II

## SEMESTER 3

Course	Category	Priority	Credits	Session
MAT202 Calculus II <sup>3</sup>	PC	x	4	I
MAT210 Linear Algebra <sup>5</sup>	PC		3	I
Unrestricted Elective (1-2 credits required but may need 3 credit option)	PC		2	I
Flexible Core Course Option (Urban Studies)	FC		3	I
Flexible Core Course Option	FC		3	II

## SEMESTER 4

Course	Category	Priority	Credits	Session
LIB200 Humanism, Science & Technology <sup>7</sup> [Capstone]	PC	x	3	I
MAT203 Calculus III <sup>4</sup>	PC	x	4	I
MAT231 Introduction to Discrete Math <sup>6</sup>	PC		3	I
MAC190 Object-Oriented Programming <sup>9</sup>	PC		3	I

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



### DEGREE FULFILLMENT

- 12 credits Pathways Required Core (RC)
- 20 credits Pathways Flexible Core (FC)
- 28 credits Program Core (PC)
- 60 credits Total**

[laguardia.edu/Applied-Math](http://laguardia.edu/Applied-Math)

Effective Fall 2020-Spring 2021 Catalog. Reviewed May 2020. 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. MAT200 PRE: MAT 115/117
2. MAT201 PRE: MAT 200
3. MAT 202 PRE: MAT201
4. MAT203 PRE: MAT203
5. MAT210 PRE: MAT201
6. MAT231 PRE: CSE99 & ENG99 & P/C: MAT201
7. LIB200 PRE: ENG102&103 & P/C: MAT107/115/117/119/120
8. MAC101 PRE: CSE99&MAT200&P/C: ENG99
9. MAC190 PRE: MAC101

For a full list of pre and co-requisites, view CUNY First or the College Catalog.

## DEGREE MAP NOTES

For detailed information on requirements, visit <https://www.laguardia.edu/Applied-Math> and click "Curriculum" under the Degree Map section, or access DegreeWorks via MyLaGuardia

All Liberal Arts students, especially in the first semester, are highly encouraged to enroll in a learning community. For more information: <https://www.laguardia.edu/clusters>

## 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).

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