

# DEGREE MAP

# LIBERAL ARTS: MATH AND 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
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
Humanities Course Option	PC		3	I
Flexible Core Course Option	FC		3	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 <sup>4</sup> (Life & Physical Sciences)	RC	x	4 (6hrs)	I
MAT200 Pre-Calculus (Scientific World) <sup>1</sup>	FC		4 (5hrs)	I
Flexible Core Course Option	FC		3	I
Unrestricted Elective – 1 credit required but may need 3 credit option	PC		0-1	II

## SEMESTER 3

Course	Category	Priority	Credits	Session
MAT201 Calculus I <sup>2</sup> or MAT120 Statistics I	PC	x	3-4	I
SCB202, SCC202, SCP202 or SCP232 (Scientific World)	FC	x	4 (6hrs)	I
Math or Science Elective	PC		4 (6hrs)	I
Flexible Core Course Option	FC		3	I
Social Science Course Option	PC		3	II

## SEMESTER 4

Course	Category	Priority	Credits	Session
LIB200 Humanism, Science & Technology <sup>3</sup>	PC	x	3	I
Math or Science Elective				
Math or Science Elective	PC		4 (6hrs)	I
Flexible Core Course Option	FC		3	I
Flexible Core Course Option (Urban Studies)	FC		3	I

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



### DEGREE FULFILLMENT

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

[laguardia.edu/MathScience](http://laguardia.edu/MathScience)

Effective Fall 2020-Spring 2021 Catalog. Reviewed April 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. LIB200 PRE: ENG102&103 & P/C: MAT107/115/117/119/120
4. SCP231 PRE: MAT201

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

## COURSE OPTIONS

**Math/Science Electives** (12 - 13 credits) Select three to four courses from the following:

*Students are advised to complete science sequences to ensure course-to-course transfer to 4-year colleges*

**Mathematics:** MAT120 Elementary Statistics I; MAT121 Elementary Statistics II; MAT201 Calculus (STEM); MAT202 Calculus II (STEM); MAT203 Calculus III (STEM); MAT204 Elementary Differential Equations; MAT210 Linear Algebra; MAT212 Linear Algebra and Vector Analysis; MAT221 Introduction to Probability; MAT231 Introduction to Discrete Math

**Biology:** SCB115 Principles of Biology; SCB201 General Biology I; SCB202 General Biology II; SCB203 Human Anatomy and Physiology I; SCB204 Human Anatomy and Physiology II; SCB208 Vertebrae Anatomy and Physiology I; SCB209 Vertebrae Anatomy and Physiology II; SCB252 Fundamentals of Biotechniques; SCB255 Cell Biology; SCB260 General Microbiology; SCB265 Fundamentals of Ecology

**Chemistry:** SCC201 General Chemistry I; SCC202 General Chemistry II; SCC251 Organic Chemistry I; SCC252 Organic Chemistry II

**Geography:** SCG120 Introduction to Oceanography; SCG150 Introduction to Geographic Information Systems

**Physics:** SCP201 Fundamentals of Physics I; SCP202 Fundamentals of Physics II; SCP231 General Physics I; SCP232 General Physics II; SCP233 Introduction to Modern Physics

Experiential Learning: SCI204 Research in Natural Sciences; LIB204 Experiential Learning in Liberal Arts

For detailed information on requirements, visit <https://www.laguardia.edu/MathScience> 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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