

Liberal Arts: Math & Science

Associate of Science | Degree Map

Follow this map to graduate in two years, though other paths are possible. Contact an advisor through My LaGuardia for additional support, and see reverse for more information.

	Course	Category	Priority	Credits	Session
SEMESTER 1	Liberal Arts Math and Science First Year Learning Community (see note on reverse)	PC	x	3 (4hrs)	I
	- LMF101 First Year Seminar for Liberal Arts: Math and Science	RC	x	3 (4hrs)	I
	- ENG101 English Composition I				
	- MAT115 College Algebra and Trigonometry (or MAT117)	RC	x	3 (4hrs)	I
	(You may take these courses separately if the learning community is not available)				
	Humanities Course Option	PC		3	I
	Flexible Core Course Option	FC		3	II

	Course	Category	Priority	Credits	Session
SEMESTER 2	ENG102 Writing through Literature or ENG259 Technical Writing	RC	x	3	I
	SCB201, SCC201, SCP201 or SCP231 (Life and Physical Sciences)	RC	x	4 (6hrs)	I
	MAT200 Pre-Calculus (Scientific World)	FC		4 (5hrs)	I
	Flexible Core Course Option	FC		3	I
	Unrestricted Elective: 0-1 credits required but may need 3 credit option	PC		0-1	II

	Course	Category	Priority	Credits	Session
SEMESTER 3	MAT201 Calculus I 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 (Urban Studies)	FC		3	I
	Social Science Course Option	PC		3	II

	Course	Category	Priority	Credits	Session
SEMESTER 4	LIB200 Humanism, Science & Technology (Capstone)	PC	x	3	I
	Math or Science Elective	PC		4 (6hrs)	I
	Math or Science Elective	PC		4 (6hrs)	I
	Flexible Core Course Option	FC		3	I
Register for GRDOOO "Intent to Graduate" in CUNYfirst to apply for graduation in your final semester					



Credits Required to Graduate

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

More information at laguardia.edu/MathScience

Effective Fall 2021-Spring 2022 catalog. Updated: 4/7/2021

Follow the map for the catalog year in which you first enrolled.
Check Degree Audit & speak to an advisor for more support.

Pre/Co-requisites

Refer to the Pre- and Co-requisite list below to ensure you register for the appropriate courses.

Pre-requisite: A course which must be completed prior to taking another course

Co-requisite: A course which 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 Catalogue

Other Program Notes

Math/Science Electives (12 - 13 credits) Students are advised to complete science sequences to ensure course-to-course transfer to 4-year colleges. Select three to four courses from the following:

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 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/>

General Information

DEVELOPMENTAL COURSES Based on your incoming proficiency, you may require additional preparation before entering college-level English (ENG101) or Math (MAT107,115,120,etc.). Options can include:

- A) Co-requisite courses such as ENA101, MAT117/119/123
- B) CUNY Start, Math Start, or CLIP
- C) English-as-a-Second-Language (ESL) courses
- D) Developmental courses such as ENA099 or MAT099
- E) First Year Institute Program (FYIP) Workshops

SESSIONS I AND II Each semester, Fall and Spring, has two sessions, 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 speak with Student Financial Services in C-107 or e-mail Financialaid@lagcc.cuny.edu

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. Most degrees require 60 academic credits.

PRIORITY COURSES Priority Courses are important for your progress 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 your Degree Audit to see a full list of options and/or requirements. Associate of Arts or Science degrees require you to take one course in each bucket below, plus one additional course (18+ credits). Associate in Applied Science degrees require you to take one course in three buckets (9+ credits).

- Creative Expression
- Individual & 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 (example: HUN192).