

Physical Sciences – Chemistry

Associate of Science | Degree Map

Follow this map to graduate in two years, though other paths are possible. You must average 15 credits a semester to finish in two years. Contact an advisor for additional support, and see the back for more information.

	Course	PC = Program Core; RC = Required Core; FC = Flexible Core	Category	Credits	Session
SEMESTER 1	NSF101 First Year Seminar for Natural Sciences		PC	2	I
	ENG101 English Composition I (or ENA101)		RC	3	I
	MAT115/117 Algebra and Trigonometry (see Math note on back)		RC	3	I
	Flexible Core Course (see back for more information)		FC	3	I
	MAT200 Precalculus (Scientific World: pre-req for MAT201)		FC	4	II

	Course	Category	Credits	Session
SEM. 2	ENG102 English Composition II	RC	3	I
	Flexible Core Course	FC	3	I
	SCC201 General Chemistry I (Life Physical Sciences: pre-req for SCC202)	RC	4	I
	SCC202 General Chemistry II (Scientific World: pre-req for SCC251)	FC	4	II

	Course	Category	Credits	Session
SEM. 3	MAT201 Calculus I	PC	4	I
	SCC251 Organic Chemistry I	PC	5	I
	Flexible Core Course	FC	3	I
	SCP231 General Physics I	PC	4	II

	Course	Category	Credits	Session
SEMESTER 4	SCP211 Research Methods in Physical Sciences (Capstone)	PC	3	I
	MAT202 Calculus II	PC	4	I
	SCC252 Organic Chemistry II	PC	5	I
	Flexible Core Course (Urban Study)	FC	3	I
Register for GRDOOO "Intent to Graduate" in CUNYfirst to apply for graduation in your final semester Students must take at least one Urban Study course				

Start planning now for what comes after graduation! Connect with [Transfer Services](#) and the [Center for Career & Professional Development](#). Also see the back of this map for more information on transfer.



Credits Required to Graduate

Pathways Required Core (RC)	13
Pathways Flexible Core (FC)	20
Program Core (PC)	27
Total	60

More information at laguardia.edu/physical-science

Effective Fall 2019-Spring 2020 catalog. Updated: 5/11/2022
 Follow the map for the catalog year in which you first enrolled.
 Check Degree Audit & speak to an advisor for more support.

Program Core (PC) and Pre/Co-requisites

The Program Core (PC) is the required set of major-specific courses. 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. SCC201 PRE: English Proficiency & MAT115
2. MAT200 PRE: MAT115/117
3. SCC202 PRE: English Proficiency & MAT115
4. MAT201 PRE: MAT200
5. SCP231 PRE: English Proficiency & MAT201
6. SCC251 PRE: SCC202
7. MAT202 PRE: MAT201
8. SCC252 PRE: SCC251
9. SCP211 PRE: ENG102 & P/C: SCP231 or SCC202

Program Notes

It is strongly recommended to complete MAT 200 before SCC 201

Before enrolling in a Science lab course in the short session, it is strongly recommended that students discuss their enrollment with a faculty advisor, the course instructor or the program director.

Pathways Requirements & Transfer

PATHWAYS REQUIRED CORE (RC) Pathways is CUNY's general education framework. For Required Core, students must take 2 English courses, 1 Mathematics and Quantitative Reasoning course, and 1 Life and Physical Sciences course. For more details visit the [Pathways Required Core website](#).

MATHEMATICS AND QUANTITATIVE REASONING Physical Sciences students should take MAT115/117 Algebra & Trigonometry, unless placing into MAT200 Pre-calculus.

PATHWAYS FLEXIBLE CORE (FC) allows students to choose courses based on interests, transfer or career plans, or for general exploration. Associate of Science students must take one course from each category listed below, plus an additional course from any category. View DegreeWorks or our [Pathways website](#) to see a full range of options, or talk with the program director or an advisor. Note: your program has specific requirements listed below:

- Creative Expression
- Individual & Society
- Scientific World: MAT200 Precalculus required
- U.S. Experience in its Diversity
- World Cultures and Global Issues
- Additional (Scientific World): SCC202 General Chemistry II required

TRANSFER AGREEMENTS The Physical Sciences: Chemistry program has an agreement with the following 4-year colleges. By graduating from LaGuardia and meeting certain requirements, you will be able to complete your studies at a 4-year college and earn a bachelor's degree. For more information, visit our [Transfer Agreement \(Articulation\) web page](#).

1. Brooklyn College – BA/BS in Chemistry
2. City Tech – BS in Applied Chemistry
3. York College – BS in Chemistry