

Physical Sciences – Physics

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
	SCC201 General Chemistry I (required Life and Physical Sciences)	RC	4	I
	MAT201 Calculus I	PC	4	I
	SCP231 General Physics I (Scientific World: pre-req for SCP232)	FC	4	II

	Course	Category	Credits	Session
SEM. 3	MAT202 Calculus II	PC	4	I
	SCP232 General Physics II	PC	4	I
	Flexible Core Course	FC	3	I
	Flexible Core Course	FC	3	I

	Course	Category	Credits	Session
SEMESTER 4	SCP211 Research Methods in Physical Sciences (Capstone)	PC	3	I
	MAT203 Calculus III	PC	4	I
	SCP233 Modern Physics	PC	4	I
	Flexible Core Course (Urban Study)	FC	3	I
	Unrestricted Elective	PC	2	II
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. MAT200 PRE: MAT115/117
2. SCC201 PRE: English Proficiency & MAT115
3. MAT201 PRE: MAT200
4. SCP231 PRE: English Proficiency & MAT201
5. MAT202 PRE: MAT201
6. SCP232 PRE: SCP231 & MAT202
7. MAT203 PRE: MAT202
8. SCP233 PRE: SCP232 & MAT203
9. SCP211 PRE: ENG102 & P/C: SCP231 or SCC202

Program Notes

It is strongly recommended to complete MAT200 before SCC201

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): SCP231 General Physics I required

TRANSFER AGREEMENTS The Physical Sciences: Physics program has an agreement with the following 4-year college. 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. York College – BS in Physics