

Curriculum Requirements (LaGuardia Community College) Physical Sciences: Chemistry and Physics Tracks Course Requirements

AS Degree in Physical Sciences: Chemistry Track

Pathways Common Core: 33 credits
This program has a waiver to require STEM courses in the Common Core. REQUIRED CORE

A. Required Core: 13 credits

English: 6 credits

ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores) ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits

MAT115 College Algebra and Trigonometry 3
MAT117 Algebra and Trigonometry 3

Life & Physical Sciences: 4 credits

SCC201 General Chemistry I 4

B. Flexible Core: 20 credits

Select one course from each of the five flexible core categories AND one additional course from any flexible core category. Note: Students can select only two courses from any one discipline.

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World – MAT200 PreCalculus I 4
SCC202 General Chemistry II 4

Students are advised to select one Urban Study course to complete college requirement.

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed in the program handbook.

Program Core: 27 credits

First Year Seminar in Natural Sciences: 2 credits
NSF 101 First Year Seminar

Math/Science: 22 credits

MAT201 Calculus I 4
MAT202 Calculus II 4
SCP232 General Physics I 4
SCC251 Organic Chemistry I 5
SCC252 Organic Chemistry II 5

Capstone Course: 3 credits

SCP 211 Research Methods

Total: 60 credits

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First Year Seminar in Natural Sciences: 2 credits
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Math/Science: 23 credits

MAT201 Calculus I 4
MAT202 Calculus II 4
MAT203 Calculus III 4
SCP232 General Physics II 4
SCP233 Modern Physics 4
Unrestrictive electives: 2 credits

Capstone Course: 3 credits

SCP 211 Research Methods

Total: 60 credits