

Physics, BA

Academic Plan: PHYS-BA
Program Code: 34052

This degree map is a term-by-term sample course schedule designed to assist you and your advisor in planning your 4-year academic path to graduation with a Physics Degree.

You and your advisor will use it, along with the program of study for your major (found in the [Lehman Bulletin](#) for the year of your major declaration) and Degree Works (degree audit system), to formulate your customized plan.

30

CUNY Common Core Credits

12

Lehman College Option Credits

38

Major Credits

12

Minor or Certificate Credits (recommended)

28

Elective Credits

LEGEND:

Course Abbreviation

Credits

Class Name

Blue: Lehman Core Requirement (LCR)
Requirement fulfilled

Green: Major Requirement

Gold: Elective, Minor, or Certificate

- see footnote

Underlined information is hyperlinked

FRESHMAN

FALL	
ENG 111 English Composition I <i>Required Core – Communication</i>	3 CR
LCR <i>Flexible Core – World Cultures and Global Issues</i>	3 CR
LCR <i>Flexible Core – Individual and Society</i>	3 CR
MAT 104 (depending on your math placement) or Elective	3 CR
Elective LEH 100 (recommended) The Liberal Arts - Freshman Seminar	3 CR

SPRING	
ENG 121 English Composition II <i>Required Core – Communication</i>	3 CR
LCR <i>Flexible Core – Creative Expression</i>	3 CR
LCR <i>Flexible Core - US Experience in Its Diversity</i>	3 CR
MAT 172 Precalculus <i>Required Core – Quantitative Skills</i>	4 CR
Elective	3 CR

15 FALL CREDITS + 16 SPRING CREDITS = 31 CREDITS

SOPHOMORE

FALL	
LCR Foreign Language I <i>Required Core - Foreign Language</i>	3 CR
LCR <i>Flexible Core – Scientific World</i>	3 CR
MAT 175 Calculus I	4 CR
MAT 155 Calculus I Lab	1 CR
Elective	3 CR
Elective	2 CR

SPRING	
LCR Foreign Language II <i>Required Core - Foreign Language</i>	3 CR
LCR <i>Flexible Core – Any Area</i> ^[1]	3 CR
MAT 176 Calculus II	4 CR
MAT 156 Calculus II Lab	1 CR
Elective	3 CR
Elective	2 CR

31 PRIOR CREDITS + 16 FALL CREDITS + 16 SPRING CREDITS = 63 CREDITS

JUNIOR

FALL

LCR	3 CR
<u>LEH 352, 353, 354, or 355</u> ^[2] <i>Lehman College Option</i>	
<u>MAT 226</u> Vector Calculus	4 CR
<u>PHY 168 - LCR</u> ^[3] Physics I for Scientists and Engineers <i>Required Core – Life and Physical Science</i>	5 CR
Elective	3 CR

SPRING

LCR	3 CR
<u>LEH 352, 353, 354, or 355</u> ^[2] <i>Lehman College Option</i>	
<u>PHY 169</u> ^[3] Physics II for Scientists and Engineers	5 CR
<u>PHY 207</u> Mathematics for the Physical Sciences	4 CR
Elective	3 CR

63 PRIOR CREDITS + 15 FALL CREDITS + 15 SPRING CREDITS = 93 CREDITS

SENIOR

FALL

<u>AST or PHY 2## or 3## or 4 ##</u> ^[4] Major Electives	3 CR
<u>AST or PHY 2## or 3## or 4 ##</u> ^[4] Major Electives	3 CR
Elective	3 CR
Minor or Certificate Course I ^[5]	3 CR
Minor or Certificate Course II ^[5]	3 CR

SPRING

<u>AST or PHY 2## or 3## or 4 ##</u> ^[4] Major Electives	3 CR
<u>AST or PHY 2## or 3## or 4 ##</u> ^[4] Major Electives	3 CR
Minor or Certificate Course III ^[5]	3 CR
Minor or Certificate Course IV ^[5]	3 CR

93 PRIOR CREDITS + 15 FALL CREDITS + 12 SPRING CREDITS = 120 CREDITS

[1] No more than two courses in one discipline may be used to satisfy Flexible Core requirements.

[2] These are variable topics courses, where each section treats a special topic. Pre-requisite: You must have achieved 60 credits and declared your major. Integration Courses: LEH 352: Studies in Literature; LEH 353: Studies in Arts; LEH 354: Studies in Historical Studies; LEH 355: Studies in Philosophy, Theory & Abstract Thinking. (LEH 351: Studies in Science & Applied Perspectives, is NOT a College Option for this Major).

[3] With permission from the Chair students may take PHY 166, PHY 167 in place of PHY 168, PHY 169.

[4] 12 Credits in at least four additional PHY or AST courses at the 200-Level or above: With permission from the Chair one of these additional courses may be at the 100-Level.

[5] We strongly recommend clustering 12- 15 elective credits to obtain a minor or certificate that complements your general and major field of study. The choice of the minor or certificate depends on your interest and should be coordinated with advisors. Check out more information on Minors or Certificates with your advisor.

NOTE: Writing Intensive Sections: Complete 4 sections designated as writing-intensive, 3 prior to earning 60th credit and 1 following. Individual sections of courses will be designated as writing-intensive (by a W) and are offered in General Education, major, minor and elective courses.

See other degree maps.