

Macaulay Honors College

Physics, BA

Academic Plan: MHCPHY-BA
Program Code: 34266

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****9-18****Additional Macaulay Honors Requirements****12****Lehman College Option Credits****38****Major Credits****22-31****Elective Credits****LEGEND:****Course Abbreviation****Credits**

Class Name

Blue: Lehman Core Requirement (LCR) &
Macaulay Honors College Requirement*Requirement fulfilled*

Green: Major Requirement

Gold: Elective, Minor, or Certificate

- see footnote

Underlined information is hyperlinked

FRESHMAN

FALL		
<u>ENG 111</u>	English Composition I <i>Required Core – Communication</i>	3 CR
<u>MHC 350</u>	The Arts in New York City <i>Fulfills Flexible Core – Creative Expression</i>	3 CR
LCR	<i>Flexible Core – World Cultures and Global Issues</i>	3 CR
<u>MAT 104</u> (depending on your math placement) or <u>MAT 172</u> or Elective		3-4 CR
LCR	Foreign Language I <i>College Option - Foreign Language</i>	3 CR
Note: Macaulay Honors Advisement ^[4]		

SPRING		
<u>MHC 351</u>	The Peopling of New York City <i>Fulfills Flexible Core – US Experience in Its Diversity</i>	3 CR
LCR	Foreign Language II <i>College Option - Foreign Language</i>	3 CR
LCR	<i>Required Core – Life and Physical Science</i>	3 CR
<u>MAT 172</u> or Elective	Precalculus <i>Required Core – Quantitative Skills</i>	4 CR
Elective		3 CR
Note: Macaulay Honors Advisement ^[4]		

15 FALL CREDITS + 16 SPRING CREDITS = 31 CREDITS

SOPHOMORE

FALL		
<u>MHC 352</u>	Science and Technology in New York City <i>Fulfills Flexible Core – Scientific World</i>	3 CR
LCR	Foreign Language III <i>College Option - Foreign Language</i>	3 CR
<u>MAT 175 and MAT 155</u>	Calculus I Lecture and Lab <i>Flexible Core – Any Area^[1]</i>	5 CR
Elective		2 CR
Elective		3 CR
Note: Macaulay Honors Advisement ^[4]		

SPRING		
<u>ENG 121</u>	English Composition II <i>Required Core – Communication</i>	3 CR
<u>MHC 353</u>	Shaping the Future of New York City <i>Fulfills Flexible Core – Individual and Society</i>	3 CR
LCR	Foreign Language IV <i>College Option - Foreign Language</i>	3 CR
<u>MAT 176 and MAT 156</u>	Calculus II Lecture and Lab	5 CR
Elective		2 CR
Note: Macaulay Honors Advisement ^[4]		

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

JUNIOR

FALL

LSP ###/ MHC ### ^[7] 3 CR
Select one LSP/MHC Seminar

MAT 226 4 CR
 Vector Calculus

PHY 168 5 CR
 Physics I for Scientists and Engineers^[2]

Elective 3 CR

Note: Additional Macaulay Requirements ^[5]

SPRING

Internship or Study Abroad 3 CR
 or Elective ^[6]

LSP ###/ MHC ### ^[7] 3 CR
Select one LSP/MHC Seminar

PHY 169 5 CR
 Physics II for Scientists and Engineers ^[2]

PHY 207 4 CR
 Mathematics for the Physical Sciences

Note: Additional Macaulay Requirements ^[5]

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

SENIOR

FALL

Senior Year Option 1 or 2 ^[8] 3-6 CR

LSP ###/ MHC ### ^[7] 3 CR
Select one LSP/MHC Seminar

PHY or AST 2## or 3## or 4## ^[3] 3 CR
 Major Electives

PHY or AST 2## or 3## or 4## ^[3] 3 CR
 Major Electives

Elective 3 CR

SPRING

Senior Year Option 1 or 2 ^[8] 3-6 CR

PHY or AST 2## or 3## or 4## ^[3] 3 CR
 Major Electives

PHY or AST 2## or 3## or 4## ^[3] 3 CR
 Major Electives

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

[3] 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.

[4] Every Macaulay Honors student is required to meet with the Macaulay Honors Advisor prior to registration during their first four terms.

[5] Every Macaulay Honors student is required to complete a minimum of 30 hours of community service by their senior year.

[6] Every Macaulay Honors student is required to complete at least one (1) qualifying internship or study abroad experience. Students may fulfill this requirement with a paid, unpaid, and credit-bearing or non-credit bearing experience. In all instances, students must complete an MHC internship agreement form and subsequent internship evaluation, in order to be acknowledged for fulfilling this requirement.

[7] Every Macaulay Honors student is required to complete nine (9) credits in Upper Level honors courses (MHC or LSP). These courses can be taken at the Macaulay Honors College, which may require an ePermit (See Advisor). They may also be taken on campus by enrolling in an LSP Seminar.

[8] Macaulay Honors students may chose a Senior Option 1 or Senior Option 2 based on the following

Senior Option 1

Fall Semester: LSP ###/ MHC ### (select one LSP/MHC seminar)

Spring Semester: Honors in Major (Where offered) or LSP 481: Honors Tutorial

Senior Option 2

Fall Semester: LSP ###/ MHC ### (select one LSP/MHC seminar) and MHC 355: Research Seminar(Part 1)

Spring Semester: MHC 355: Research Seminar (Part 2)

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.](#)