Macaulay Honors College
MHC Chemistry, BS
Subplan Biochemistry

Academic Plan: MHCCHEM-BS
Program Code: 60199

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 Chemistry Degree.
You and your advisor will use it, along with the program of study for your major (found in the Lehman Catalog 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**
80	**Major Credits**
0-4	**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

ENG 111 3 CR
English Composition I
Required Core – Communication

MHC 350 3 CR
The Arts in New York City
Fulfills *Flexible Core – Creative Expression*

CHE 166 and **CHE 167** [2] **-LCR** 5.5 CR
General Chemistry I
Lecture and Lab
Required Core – Life and Physical Science

MAT 175 -LCR 4 CR
Calculus I
Required Core – Quantitative Skills

MAT 155 1 CR
Calculus I Lab
Note: Macaulay Honors Advisement[5]

SPRING

MHC 351 3 CR
The Peopling of New York City
Fulfills *Flexible Core – US Experience in Its Diversity*

LCR 3 CR
Flexible Core – World Cultures and Global Issues

CHE 168 and CHE 169 – LCR 5.5 CR
General Chemistry II
Lecture and Lab
Flexible Core – Any area [1]

MAT 176 4 CR
Calculus II

MAT 156 1 CR
Calculus II Lab

Note: Macaulay Honors Advisement[5]

16.5 FALL CREDITS + 16.5 SPRING CREDITS = 33 CREDITS

SOPHOMORE

FALL

MHC 352 3 CR
Science and Technology in New York City Fulfills *Flexible Core – Scientific World*

LCR 3 CR
Foreign Language I
College Option - Foreign Language

BIO 166 4 CR
Principles of Biology: Cells and Genes

CHE 232 4 CR
Organic Chemistry I Lecture

CHE 233 2 CR
Organic Chemistry I Lab

PHY 168 5 CR
Introductory Physics I

Note: Macaulay Honors Advisement[5]

SPRING

ENG 121 3 CR
English Composition II
Required Core – Communication

MHC 353 3 CR
Shaping the Future of New York City
Fulfills *Flexible Core – Individual and Society*

BIO 167 4 CR
Principles of Biology: Organisms

CHE 234 4 CR
Organic Chemistry Lecture II

CHE 235 2 CR
Organic Chemistry Lab II

PHY 169 5 CR
Introductory Physics II

Note: Macaulay Honors Advisement[5]

33 PRIOR CREDITS + 21 FALL CREDITS + 21 SPRING CREDITS = 75 CREDITS

JUNIOR

FALL

LSP ###/ MHC ### [8] — 3 CR
Select one LSP/MHC Seminar

LCR — 3 CR
Foreign Language II
College Option - Foreign Language

CHE 249 — 5 CR
Quantitative Analysis

CHE 444 — 3 CR
Biochemistry I

CHE 391[3] or Elective — 1 CR

Note: Additional Macaulay Requirements [6]

SPRING

Internship or Study Abroad or Elective [7] — 3 CR

LSP ###/ MHC ### [8] — 3 CR
Select one LSP/MHC Seminar

LCR — 3 CR
Foreign Language III
College Option - Foreign Language

CHE 446 — 3 CR
Biochemistry II Lecture

CHE 447 — 3 CR
Biochemistry II Lab

CHE 450 — 1 CR
Chemistry Seminar

Note: Additional Macaulay Requirements [6]

75 PRIOR CREDITS + 15 FALL CREDITS + 16 SPRING CREDITS = 106 CREDITS

SENIOR

FALL

Senior Year Option 1 or 2 [9] — 3-6 CR

LSP ###/ MHC ### [8] — 3 CR
Select one LSP/MHC Seminar

CHE 342 — 3 CR
Physical Chemistry Course in Quantum Chemistry

CHE 345 — 2 CR
Physical Chemistry Lab in Quantum Chemistry

CHE 442 — 3 CR
Inorganic Chemistry

CHE 491[4] or Elective — 1 CR

SPRING

Senior Year Option 1 or 2 [9] — 3-6 CR

LCR — 3 CR
Foreign Language IV
College Option - Foreign Language

CHE 344 — 3 CR
Physical Chemistry Course in Kinetics and Thermodynamics

CHE 443 — 5 CR
Advanced Inorganic Chemistry

106 PRIOR CREDITS + 15 FALL CREDITS + 14 SPRING CREDITS = *120+ CREDITS

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

[2] Students have the option to enroll in CHE 114 and CHE 115 with departmental permission.

[3] Department consent is required to enroll in CHE 391-Chemical Investigations

[4] Department consent is required to enroll in CHE 491; students must complete one semester of CHE 391 before requesting permission for CHE 491. One of the requirements for Departmental Honors is satisfactory completion of 3 credits in CHE 491.

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

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

[7] 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.

[8] 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.

[9] 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 60 credits and 1 following. These sections may be searched by class attribute and are offered in General Education, major, minor and elective courses.

***NOTE: Kindly speak with your Macaulay Honors advisor or Honors Program Director. For further information, kindly view the following link:**

https://macaulay.cuny.edu/admissions/tuition-and-merit-scholarship/tuition-information/

See other degree maps.

July 19, 2021