

Macaulay Honors College

MHC Biology, BS

Subplan Biomedical Sciences

Academic Plan: MHBIO-BS

Program Code: 34022

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 Biology 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

72-76

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*

MAT 108 and **MAT 171** or **MAT 172**^[2] 4-6 CR
Trigonometry and Elements of Pre-calculus
Or Precalculus
Required Core – Quantitative Skills

BIO 166- LCR 4 CR
Principles of Biology: Cells and Genes
Required Core – Life and Physical Science

Note: Macaulay Honors Advisement^[6]

SPRING

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

BIO 167 4 CR
Principles of Biology: Cells and Genes

CHE 166 and **CHE 167 – LCR** 5.5 CR
General Chemistry I
Lecture and Lab
Flexible Core – Any area^[1]

MAT 175 4 CR
Calculus I

MAT 155 1 CR
Calculus I Lab

Note: Macaulay Honors Advisement^[6]

14 FALL CREDITS + 17.5 SPRING CREDITS = 31.5 CREDITS

SOPHOMORE

FALL

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

LCR 3 CR
Flexible Core – World Cultures and Global Issues

LCR 3 CR
Foreign Language I
College Option - Foreign Language

CHE 168 and **CHE 169** 5.5 CR
General Chemistry II
Lecture and Lab

PHY 166 5 CR
General Physics I

Note: Macaulay Honors Advisement^[6]

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*

CHE 232 4 CR
Organic Chemistry Lecture II

CHE 233 2 CR
Organic Chemistry Lab II

PHY 167 5 CR
General Physics II

Note: Macaulay Honors Advisement^[6]

31.5 PRIOR CREDITS + 19.5 FALL CREDITS + 17 SPRING CREDITS = 68 CREDITS

JUNIOR

FALL

LSP ###/ MHC ### ^[9] 3 CR
Select one LSP/MHC Seminar

LCR 3 CR
 Foreign Language II
College Option - Foreign Language

BIO 238 4 CR
 Generic

BIO 240 3 CR
 Biostatistics

CHE 234 4 CR
 Organic Chemistry Lecture II

CHE 235 2 CR
 Organic Chemistry Lab II

Note: Additional Macaulay Requirements ^[7]

SPRING

Internship or Study Abroad 3 CR
 or **Elective** ^[8]

LSP ###/ MHC ### ^[9] 3 CR
Select one LSP/MHC Seminar

LCR 3 CR
 Foreign Language III
College Option - Foreign Language

BIO 2## or 3## or 4## ^[3] 4 CR
 Selected Any From List (List A)

BIO 2## or 3## or 4## ^[3] 4 CR
 Selected Any From List (List A)

Note: Additional Macaulay Requirements ^[7]

68 PRIOR CREDITS + 19 FALL CREDITS + 17 SPRING CREDITS = 104 CREDITS

SENIOR

FALL

Senior Year Option 1 or 2 ^[10] 3-6 CR

LSP ###/ MHC ### ^[9] 3 CR
Select one LSP/MHC Seminar

BIO 2## or 3## or 4## ^[3] 4 CR
 Selected Any From List (List A)

BIO 2## or 3## or 4## ^[4] 4 CR
 Selected Any From List (List B)

SPRING

Senior Year Option 1 or 2 ^[10] 3-6 CR

LCR 3 CR
 Foreign Language IV
College Option - Foreign Language

BIO 2## or 3## or 4## ^[4] 4 CR
 Selected Any From List (List B)

BIO 4## ^[5] 1 CR
 Selected Any From List (List C)

Elective 3 CR

104 PRIOR CREDITS + 14 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 may take both MAT 108 and MAT 171 together to satisfy the Precalculus requirement

Biomedical Sciences Sub plan (21-23 credits)

[3] 12 Credits from List A: BIO 228, BIO 267, BIO 331, BIO 333, BIO 350, BIO 400, BIO 415, BIO 420

[4] At least 8 Credits from List B: BIO 241, BIO 268, BIO 311, BIO 312, BIO 320, BIO 321, BIO 330, BIO 336, BIO 338, BIO 339, BIO 340, BIO 341, BIO 401, BIO 406, BIO 431, BIO 435, BIO 465

[5] At Least 1 Credit from List C: BIO 450, BIO 489, BIO 490

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

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

[8] 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.

[9] 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.

[10] 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: BIO 181, 182 and 230 are not accepted towards the major

**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.

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