

# Macaulay Honors College

## MHC Biology, BS

### Subplan Organismic Sciences

Academic Plan: MHC BIO-BS

Program Code: 34257

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**<sup>[2]</sup> 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<sup>[6]</sup>

## 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*<sup>[1]</sup>

**MAT 175** 4 CR  
Calculus I

**MAT 155** 1 CR  
Calculus I Lab

Note: Macaulay Honors Advisement<sup>[6]</sup>

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<sup>[6]</sup>

## 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<sup>[6]</sup>

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

# JUNIOR

## FALL

LSP ###/ MHC ### <sup>[9]</sup> 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 <sup>[7]</sup>

## SPRING

**Internship or Study Abroad** 3 CR  
 or **Elective** <sup>[8]</sup>

LSP ###/ MHC ### <sup>[9]</sup> 3 CR  
*Select one LSP/MHC Seminar*

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

**BIO 2## or 3## or 4##** <sup>[3]</sup> 4 CR  
 Selected Any From List (List A)

**BIO 2## or 3## or 4##** <sup>[3]</sup> 4 CR  
 Selected Any From List (List A)

Note: Additional Macaulay Requirements <sup>[7]</sup>

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

# SENIOR

## FALL

**Senior Year Option 1 or 2** <sup>[10]</sup> 3-6 CR

LSP ###/ MHC ### <sup>[9]</sup> 3 CR  
*Select one LSP/MHC Seminar*

**BIO 2## or 3## or 4##** <sup>[3]</sup> 4 CR  
 Selected Any From List (List A)

**BIO 2## or 3## or 4##** <sup>[4]</sup> 4 CR  
 Selected Any From List (List B)

## SPRING

**Senior Year Option 1 or 2** <sup>[10]</sup> 3-6 CR

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

**BIO 2## or 3## or 4##** <sup>[4]</sup> 4 CR  
 Selected Any From List (List B)

**BIO 4##** <sup>[5]</sup> 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

#### Organismic Sciences Sub plan (21-23 credits)

[3] At least 12 Credits from List A: 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

[4] At least 8 Credits from List B: BIO 228, BIO 267, BIO 331, BIO 333, BIO 350, BIO 400, BIO 415, BIO 420

[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.

July 19, 2021