

Macaulay Honors College

MHC Biology, BS

Subplan Brain 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 English Composition I <i>Required Core – Communication</i>	3 CR
MHC 350 The Arts in New York City Fulfills <i>Flexible Core – Creative Expression</i>	3 CR
MAT 108 and MAT 171 or MAT 172 ^[2] Trigonometry and Elements of Pre-calculus Or Precalculus <i>Required Core – Quantitative Skills</i>	4-6 CR
BIO 166- LCR Principles of Biology: Cells and Genes <i>Required Core – Life and Physical Science</i>	4 CR

Note: Macaulay Honors Advisement^[6]

SPRING	
MHC 351 The Peopling of New York City Fulfills <i>Flexible Core – US Experience in Its Diversity</i>	3 CR
BIO 167 Principles of Biology: Cells and Genes	4 CR
CHE 166 and CHE 167 – LCR General Chemistry I Lecture and Lab <i>Flexible Core – Any area</i> ^[1]	5.5 CR
MAT 175 Calculus I	4 CR
MAT 155 Calculus I Lab	1 CR

Note: Macaulay Honors Advisement^[6]

14 FALL CREDITS + 17.5 SPRING CREDITS = 31.5 CREDITS

SOPHOMORE

FALL	
MHC 352 Science and Technology in New York City Fulfills <i>Flexible Core – Scientific World</i>	3 CR
LCR <i>Flexible Core – World Cultures and Global Issues</i>	3 CR
LCR Foreign Language I <i>College Option - Foreign Language</i>	3 CR
CHE 168 and CHE 169 General Chemistry II Lecture and Lab	5.5 CR
PHY 166 General Physics I	5 CR

Note: Macaulay Honors Advisement^[6]

SPRING	
ENG 121 English Composition II <i>Required Core – Communication</i>	3 CR
MHC 353 Shaping the Future of New York City Fulfills <i>Flexible Core – Individual and Society</i>	3 CR
CHE 232 Organic Chemistry Lecture II	4 CR
CHE 233 Organic Chemistry Lab II	2 CR
PHY 167 General Physics II	5 CR

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 320 ^[3] 4 CR
 Neutral Development: From Genes and Cells to Brains (List A)

BIO 321 ^[3] 2 CR
 Neutral Development Lab (List A)

BIO 435 ^[3] 3 CR
 Neurophysiology (List A)

Note: Additional Macaulay Requirements ^[7]

68 PRIOR CREDITS + 19 FALL CREDITS + 18 SPRING CREDITS = 105 CREDITS

SENIOR

FALL

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

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

BIO 340 ^[3] 3 CR
 Human Biology and Brain (List A)

BIO 341 ^[3] 4 CR
 Human Biology and Brain (List A)

BIO 4## ^[4] 1 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

PSY 3## ^[5] 4 CR
 Selected Any From List (List C)

PSY 3## ^[5] 1 CR
 Selected Any From List (List C)

Elective 3 CR

105 PRIOR CREDITS + 14 FALL CREDITS + 15 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

Brain Sciences Sub plan (20-22 credits)

[3] 13 Credits from List A: BIO 320, BIO 321, BIO 340, BIO 341, BIO 435

[4] At least 1 Credit from List B: BIO 450, BIO 489, BIO 490

[5] 6 Credits from List C: PSY 308, PSY 310, PSY 312, PSY 314, PSY 317, PSY 366

[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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