

Macaulay Honors College

Environmental Science, BS

Academic Plan: MHCINES-BS
Program Code: 60209

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 an Environmental Science 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

46

Major Credits

12

Minor or Certificate Credits (recommended)

2-11

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 104 (depending on your math placement) or **Elective** 3 CR

BIO 166 or **BIO 167-LCR** ^[2] 4 CR
Principles of Biology: Cells and Genes or Principles of Biology: Organisms
Required Core – Life and Physical Science

Elective 3 CR

Note: Macaulay Honors Advisement^[4]

SPRING

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

ENV 210 -LCR 3 CR
Introduction to Environmental Science
Flexible Core – Any area ^[1]

MAT 132-LCR 4 CR
Introduction to Statistics
Required Core-Quantitative skills

Major Elective ^[3] 4 CR

Elective 2 CR

Note: Macaulay Honors Advisement^[4]

16 FALL CREDITS + 16 SPRING CREDITS = 32 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

ENV 211 1 CR
Introduction to Environmental Science Lab

PHY 151 3 CR
Energy and the Environment

Elective 3 CR

Note: Macaulay Honors Advisement^[4]

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*

LCR 3 CR
Foreign Language II
College Option - Foreign Language

ENV 330 3 CR
Environmental Impact Assessment

GEO 101 ^[2] 3 CR
Dynamic Earth

GEO 102 ^[2] 1 CR
Dynamic Earth Lab

Note: Macaulay Honors Advisement^[4]

32 PRIOR CREDITS + 16 FALL CREDITS + 16 SPRING CREDITS = 64 CREDITS

JUNIOR

FALL

LCR 3 CR
Foreign Language III
College Option - Foreign Language

CHE 136 ^[2] 4 CR
Elements of Chemistry

ENV 420 2 CR
Natural Resource Management: Senior Seminar

GEP 205 ^[2] 3 CR
Principles of Geographic Information Science

Minor or Certificate Course I ^[9] 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

Major Elective ^[3] 4 CR

Major Elective ^[3] 3 CR

Minor or Certificate Course II ^[9] 3 CR

Note: Additional Macaulay Requirements ^[5]

64 PRIOR CREDITS + 15 FALL CREDITS + 16 SPRING CREDITS = 95 CREDITS

SENIOR

FALL

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

LCR 3 CR
Foreign Language IV
College Option - Foreign Language

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

Major Elective ^[3] 4 CR

SPRING

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

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

Minor or Certificate Course III ^[9] 3 CR

Minor or Certificate Course IV ^[9] 3 CR

95 PRIOR CREDITS + 13 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] Required Courses (15-17.5 credits): Select one course from each of the following four areas in consultation with a Departmental advisor:

Biological Sciences- BIO 166, or BIO 167

GEO Sciences- GEO 101, GEO 102, GEP 228, GEP 229, or ENV 270

GEO Spatial Analysis-GEP 205, or GEP 321

Chemistry- CHE 136, or CHE 166, CHE 167

[3] Students must choose 12.5-16 credits (4 courses) in electives to meet the 46 credit requirement in consultation with a department advisor. It is recommended that the courses are chosen within the group in one of the following specialization areas:

Ecology: BIO 167, BIO 184, BIO 242, BIO 302, BIO 330, BIO 336, BIO 339, ENV 235, ENV 255, CHE 168, CHE 169, and CHE 244

Urban Environment Management: GEP 205, GEP 230, GEP 310, GEP 350, GEP 360, GEP 375, GEH 240, ENV 235, ENV 255, ENV 270, ENV 326, and HEA 301

Environmental Geology: GEO 101, GEO 102, GEO 236, GEO 245, GEO 340, GEO 341, GEO 345, GEO 350, GEO 375, GEO 410, GEP 228, GEP 229, GEP 321, and ENV 255

Environmental Analysis: GEP 205, GEP 228, GEP 229, GEP 302, GEP 310, GEP 321, GEO 340, GEO 341, GEP 350, GEP 360, GEP 375, ENV 235, ENV 255, ENV 270, CHE 168, CHE 169, CHE 232, CHE 233, and CHE 249

Other Electives: GEP 204, GEP 470, PHY 166, or PHY 168, and PHY 167, or PHY 169

[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)

[9] We strongly recommend clustering 12- 15 elective credits to obtain a minor or certificate that complements your general and major field of study. The choice of the minor or certificate depends on your interest and should be coordinated with advisors. Check out more information on Minors or Certificates with your advisor.

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.

[See other degree maps.](#)