Macaulay Honors College
MHC Computer Science, BS

Academic Plan: MHCCS-BS
Program Code: 60203

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 Computer 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**
57-61	**Major Credits**
5-9	**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 172   4 CR
Pre-calculus
Required Core-Quantitative skills

LCR   3 CR
Flexible Core – World Cultures and Global Issues

CMP 167   3 CR
Programming Methods I

Note: Macaulay Honors Advisement[5]

SPRING

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

CMP 168   4 CR
Programming Methods II

CMP 232   4 CR
Elementary Discrete Structures & Applications to Computer Science

MAT 175-LCR   4 CR
Calculus I
Flexible Core – Any area [1]

MAT 155   1 CR
Calculus I Lab

Note: Macaulay Honors Advisement[5]

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*

CMP 334   4 CR
Computer Organization

CMP 338   4 CR
Data Structures and Algorithms I

MAT 176   4 CR
Calculus II

MAT 156   1 CR
Calculus II Lab

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*

CMP 405   3 CR
Introduction to Networks

CMP 426   4 CR
Operating Systems

MAT 313   4 CR
Elements of Linear Algebra

Note: Macaulay Honors Advisement[5]

32 PRIOR CREDITS + 16 FALL CREDITS + 17 SPRING CREDITS = 65 CREDITS

JUNIOR

FALL

LCR 3 CR
Foreign Language I
College Option - Foreign Language

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

LCR 3 CR
Required core-Life and Physical Sciences

CMP 3## or **4##** [3] 4 CR
Major Elective

Note: Additional Macaulay Requirements [6]

SPRING

Internship or Study Abroad or Elective [7] 3 CR

LCR 3 CR
Foreign Language II
College Option - Foreign Language

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

MAT 3## or 4## [4] 4 CR
Advanced Math Course

CMP 3## or **4##** [3] 4 CR
Major Elective

Note: Additional Macaulay Requirements [6]

65 PRIOR CREDITS + 13 FALL CREDITS + 17 SPRING CREDITS = 95 CREDITS

SENIOR

FALL

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

LCR 3 CR
Foreign Language III
College Option - Foreign Language

CMP 3## or **4##** [3] 4 CR
Major Elective

CMP 420 4 CR
Database Systems

SPRING

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

LCR 3 CR
Foreign Language IV
College Option - Foreign Language

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

CMP 3## or **4##** [3] 4 CR
Major Elective

95 PRIOR CREDITS + 14 FALL CREDITS + 13 SPRING CREDITS = *120+ CREDITS

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

[2] **These are variable topics courses, where each section covers a special topic. Take two courses with two different numbers. Pre-requisite: You must have achieved 60 credits and declared your major. Integration Courses: LEH 351: Studies in Science & Applied Perspectives, LEH 352: Studies in Literature, LEH 354: Studies in Historical Studies, LEH 355: Studies in Philosophy, Theory & Abstract Thinking. (LEH 351: Studies in Science & Applied Perspectives, is NOT a College Option for this Major).**

[3] **Four advanced CMP electives at the 300- or 400-level; MAT 226 or PHY 305 can be used to satisfy this requirement.**

[4] **One advanced MAT course at the 300- or 400-level; except for MAT 300, 301 or 348. CMP 332 and CMP 416 can be used to satisfy this requirement.**

[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.