

Computer Information Systems, BS

Academic Plan: CIS-BS
Program Code: 83120

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 Information Systems Degree. You and your advisor will use it, along with the program of study for your major (found in the [Lehman Catalog](#) for your admission year) and Degree Works (degree audit system), to formulate your customized plan.

30

CUNY Common Core Credits

12

Lehman College Option Credits

55-57

Major Credits

12

Minor or Certificate Credits (recommended)

9-11

Elective Credits

LEGEND:

Course Abbreviation Credits

Class Name

Blue: Lehman Core Requirement (LCR)
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 |
| LCR <i>Flexible Core - World Cultures and Global Issues</i> | 3 CR |
| MAT 104 (depending on your math placement) or Elective | 3 CR |
| ECO 166 Introduction to Macroeconomics <i>Flexible Core – Individual and Society</i> | 3 CR |
| Elective LEH 100 (recommended) The Liberal Arts - Freshman Seminar | 3 CR |

| SPRING | |
|---|------|
| ENG 121 English Composition II <i>Required Core – Communication</i> | 3 CR |
| LCR <i>Required Core – Life and Physical Science</i> | 3 CR |
| CIS 166 Computer Programming for Information Processing | 3 CR |
| CIS 211 Computer Information Systems | 4 CR |
| MAT 132- LCR Introduction to Statistics <i>Required Core – Quantitative Skills</i> | 4 CR |

15 FALL CREDITS + 17 SPRING CREDITS = 32 CREDITS

SOPHOMORE

| FALL | |
|--|------|
| LCR Foreign Language I <i>College Option - Foreign Language</i> | 3 CR |
| LCR <i>Flexible Core – Scientific World</i> | 3 CR |
| LCR <i>Flexible Core – Creative Expression</i> | 3 CR |
| CIS 212 Microcomputer Architecture | 3 CR |
| ECO 167 - LCR Introduction to Microeconomics <i>Flexible Core – Any area</i> ^[1] | 3 CR |

| SPRING | |
|--|------|
| LCR Foreign Language II <i>College Option - Foreign Language</i> | 3 CR |
| LCR <i>Flexible Core – US Experience and Diversity</i> | 3 CR |
| CMP 167 Programming Methods I | 3 CR |
| CIS 244 Introduction to Database Management | 3 CR |
| MAT 171 Problem Solving for Management, Economics, and Life Sciences | 4 CR |

32 PRIOR CREDITS + 15 FALL CREDITS + 16 SPRING CREDITS = 63 CREDITS

JUNIOR

| FALL | |
|---|------|
| LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <i>Lehman College Option</i> | 3 CR |
| CIS 331 Network Introduction | 3 CR |
| CIS 344 Database Design and Programming | 3 CR |
| MAT 174 Elements of Calculus | 4 CR |
| MAT 301 Applied Statistics and Computer Analysis for Social Scientists | 4 CR |

| SPRING | |
|---|------|
| LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <i>Lehman College Option</i> | 3 CR |
| ACC 171 or ACC 185 Principles of Accounting I or Introduction to Accounting for Non-Accounting Majors | 3 CR |
| CIS 2##, 3##, 4## or CGI 221, 321, 421 or CMP 168 ^[3] Major Electives | 3 CR |
| MAT 348 Mathematical Methods for Management | 4 CR |
| Elective | 3 CR |

63 PRIOR CREDITS + 16 FALL CREDITS + 16 SPRING CREDITS = 95 CREDITS

SENIOR

| FALL | |
|--|------|
| CIS 2## or PHI 221 or POL 229 ^[4] Further Major Electives | 3 CR |
| CIS 2##, 3##, 4## or CGI 221, 321, 421 or CMP 168 ^[3] Major Electives | 3 CR |
| Elective | 3 CR |
| Minor or Certificate Course I ^[5] | 3 CR |
| Minor or Certificate Course II ^[5] | 3 CR |

| SPRING | |
|--|------|
| CIS 2## or PHI 221 or POL 229 ^[4] Further Major Electives | 3 CR |
| Elective | 3 CR |
| Minor or Certificate Course III ^[5] | 3 CR |
| Minor or Certificate Course IV ^[5] | 3 CR |

96 PRIOR CREDITS + 13 FALL CREDITS + 12 SPRING CREDITS = 120 CREDITS

[1] No more than two courses in one discipline may be used to satisfy the 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 352: Studies in Literature; LEH 353: Studies in Arts; 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] Major Elective Courses: Two additional CIS courses chosen at a 200-level or higher or: CGI 221, CGI 321, CGI 421, or CMP 168. One of the courses must be a 300- or 400- level CIS course.

[4] Further Major Electives: Students must choose two courses from the following: One 200-level CIS course or higher or PHI 221 or POL 299.

[5] 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 and 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.](#)