

Computer Science, BS

Academic Plan: COMSC-BS
Program Code: 89335

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

12

Lehman College Option Credits

57-61

Major Credits

12

Minor or Certificate Credits (recommended)

5-9

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
MAT 172 Pre-calculus <i>Required Core-Quantitative skills</i>	4 CR
LCR <i>Flexible Core – Scientific World</i>	3 CR
CMP 167 Programming Methods I	3 CR
Elective	3 CR
LEH 100 (recommended) The Liberal Arts - Freshman Seminar	

SPRING	
ENG 121 English Composition II <i>Required Core – Communication</i>	3 CR
CMP 168 Programming Methods II	4 CR
CMP 232 Elementary Discrete Structures & Applications to Computer Science	4 CR
MAT 175-LCR Calculus I <i>Flexible Core – Any area</i> ^[1]	4 CR
MAT 155 Calculus I Lab	1 CR

16 FALL CREDITS + 16 SPRING CREDITS = 32 CREDITS

SOPHOMORE

FALL	
LCR Foreign Language I <i>Lehman College Option</i>	3 CR
CMP 334 Computer Organization	4 CR
CMP 338 Data Structures and Algorithms I	4 CR
MAT 176 Calculus II	4 CR
MAT 156 Calculus II Lab	1 CR

SPRING	
LCR Foreign Language II <i>Lehman College Option</i>	3 CR
CMP 405 Introduction to Networks	3 CR
CMP 426 Operating Systems	4 CR
MAT 313 Elements of Linear Algebra	4 CR

32 PRIOR CREDITS + 16 FALL CREDITS + 14 SPRING CREDITS = 62 CREDITS

JUNIOR

FALL	
LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <u>Lehman College Option</u>	3 CR
LCR <u>Flexible Core – World Cultures and Global Issues</u>	3 CR
LCR <u>Flexible Core - US Experience in Its Diversity</u>	3 CR
<u>CMP 3## or 4##</u> ^[3] Major Elective	4 CR
Minor or Certificate Course I ^[5]	3 CR

SPRING	
LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <u>Lehman College Option</u>	3 CR
LCR <u>Required Core – Life and Physical Science</u>	3 CR
<u>MAT 3## or 4##</u> ^[4] Advanced Math Course	4 CR
<u>CMP 3## or 4##</u> ^[3] Major Elective	4 CR
Minor or Certificate Course II ^[5]	3 CR

62 PRIOR CREDITS + 16 FALL CREDITS + 17 SPRING CREDITS = 95 CREDITS

SENIOR

FALL	
<u>CMP 3## or 4##</u> ^[3] Major Elective	4 CR
<u>CMP 420</u> Database Systems	4 CR
Elective	1-2 CR
Minor or Certificate Course III ^[5]	3 CR

SPRING	
<u>CMP 3## or 4##</u> ^[3] Major Elective	4 CR
LCR <u>Flexible Core – Creative Expression</u>	3 CR
LCR <u>Flexible Core – Individual and Society</u>	3 CR
Minor or Certificate Course IV ^[5]	3 CR

95 PRIOR CREDITS + 12 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] 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.](#)