

Computer Science, BA

Academic Plan: COMSC-BA
Program Code: 80345

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

43-46

Major Credits

12

Minor or Certificate Credits (recommended)

20-23

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 or MAT 172 or Elective (depending on your math placement)	3-4 CR
CMP 167 Programming Methods 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
MAT 172 -LCR or Elective Pre-calculus <i>Flexible Core-Quantitative skills</i>	4 CR
LCR <i>Required Core – Scientific World</i>	3 CR
LCR <i>Flexible Core - US Experience in Its Diversity</i>	3 CR
CMP 168 Programming Methods II	3 CR

15 FALL CREDITS + 16 SPRING CREDITS = 31 CREDITS

SOPHOMORE

FALL	
LCR Foreign Language I <i>Lehman College Option</i>	3 CR
LCR <i>Flexible Core – Individual and Society</i>	3 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 Lab I	1 CR

SPRING	
LCR Foreign Language II <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 Lab II	1 CR

31 PRIOR CREDITS + 15 FALL CREDITS + 16 SPRING CREDITS = 62 CREDITS

JUNIOR

FALL	
LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <i>Lehman College Option</i>	3 CR
<u>CMP 339</u> or <u>CMP 426</u> Programming Languages or Operating Systems	4 CR
<u>MAT 313</u> Elements of Linear Algebra	4 CR
Minor or Certificate Course I ^[4]	3 CR

SPRING	
LCR <u>LEH 352, 353, 354, or 355</u> ^[2] <i>Lehman College Option</i>	3 CR
LCR <i>Required Core-Life and Physical Science</i>	3 CR
<u>CMP 405</u> or <u>CMP 420</u> Introduction to Networks or Database Systems	3-4 CR
Elective	3 CR
Minor or Certificate Course II ^[4]	3 CR

62 PRIOR CREDITS + 14 FALL CREDITS + 15 SPRING CREDITS = 91 CREDITS

SENIOR

FALL	
<u>CMP 3##</u> or <u>CMP 4##</u> ^[3] Major Elective	4 CR
Minor or Certificate Course III ^[4]	3 CR
Minor or Certificate Course IV ^[4]	3 CR
Elective	3 CR
Elective	3 CR

SPRING	
<u>CMP 3##</u> or <u>CMP 4##</u> ^[3] Major Elective	4 CR
LCR <i>Flexible Core – Creative Expression</i>	3 CR
Elective	3 CR
Elective	3 CR

91 PRIOR CREDITS + 16 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] Two advanced CMP electives at a 300- or 400-level are required for Computer Science degree.

[4] 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.](#)