

Economics and Mathematics, BA

Academic Plan: ECOMATH-BA
Program Code: 36853

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 Economics and Mathematics Degree.

You and your advisor will use it, along with the program of study for your major (found in the [Lehman Bulletin](#) 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

57-58

Major Credits

12

Minor or Certificate Credits (recommended)

8-9

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
LCR <i>Required Core – Life and Physical Science</i>	3 CR
MAT 104, MAT 171 or MAT 172- LCR 3- 4 CR (depending on your math placement) Problem Solving for Management, Economics and Life Sciences or Pre-Calculus or Elective <i>Required Core – Quantitative Skills</i>	
ECO 166 - LCR 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>Flexible Core - US Experience in Its Diversity</i>	3 CR
ECO 167- LCR Introduction to Microeconomics <i>Flexible Core – Any Area</i> ^[1]	3 CR
Elective or CMP 167 ^[5] Programming Methods I	3 CR
MAT 175 Calculus I	4 CR
MAT 155 Calculus I Lab	1 CR

15 FALL CREDITS + 17 SPRING CREDITS = 32 CREDITS

SOPHOMORE

FALL	
LCR Foreign Language I <i>Lehman College Option</i>	3 CR
LCR <i>Flexible Core – Scientific World</i>	3 CR
LCR <i>Flexible Core – Creative Expression</i>	3 CR
ECO 302 Economic Statistics	3 CR
MAT 176 Calculus II	4 CR
MAT 156 Calculus II	1 CR

SPRING	
LCR Foreign Language II <i>Lehman College Option</i>	3 CR
LCR <i>Flexible Core – World Cultures and Global Issues</i>	3 CR
MAT 226 Vector Calculus	4 CR
MAT 301 Applied Statistics and Computer Analysis for Social Scientists	3 CR
Elective	3 CR

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

JUNIOR

FALL

LCR 3 CR
LEH 352, 353, 354, or 355 ^[2]
Lehman College Option

ECO 300 3 CR
 Intermediate Microeconomics

MAT 313 4 CR
 Elements of Linear Algebra

Elective 3 CR

Elective 3 CR

SPRING

LCR 3 CR
LEH 352, 353, 354, or 355 ^[2]
Lehman College Option

ECO 3## or 4## ^[3] 3 CR
 Major Electives

ECO 301 3 CR
 Intermediate Microeconomics

MAT 330 4 CR
 Probability and Statistics

Elective 1 CR

65 PRIOR CREDITS + 16 FALL CREDITS + 14 SPRING CREDITS = 95 CREDITS

SENIOR

FALL

ECO 402 4 CR
 Econometrics

MAT 347 or MAT 349 or MAT 424 3-4 CR
 Game Theory and Linear
 Programming or
 Operations Research or
 Partial Differential Equations and
 Applications

Minor or Certificate Course I ^[4] 3 CR

Minor or Certificate Course II ^[4] 3 CR

SPRING

ECO 3## or 4## ^[3] 3 CR
 Major Electives

ECO 401 3 CR
 Introduction to Mathematical
 Economics

Minor or Certificate Course III ^[4] 3 CR

Minor or Certificate Course IV ^[4] 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] These are variable topics courses, where each section treats a special topic. 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- Choose two courses from following list: ECO 305, ECO 306, ECO 311, ECO 322, ECO 324, ECO 326, ECO 331, ECO 338 and ECO 431.

[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 advisors.

[5] If you intend on registering for MAT 349- Operations Research; it has a pre-requisite of CMP 167

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.