

Eugenio María de Hostos Community College of the City University of New York
Academic Advisement, Division of Academic Affairs

Academic Advisement Major Code # 15
For an Associate in Science (A.S) Degree in Mathematics

Mathematics

- *The Associate in Science degree in Mathematics allow students to pursue a baccalaureate degree or careers in mathematics, mathematics in education and statistics. The curriculum emphasizes the calculus sequence, linear algebra, and differential equations which are required for further study in Mathematics and Engineering.*

Associate in Science Degree in Mathematics

Liberal Arts and Sciences	Credits
English 110Expository Writing.....	3
English 111Literature and Composition.....	3
Biology 210General Biology I.....	4
AND	
Biology 220.....General Biology II	4
OR	
Chemistry 210General Chemistry I.....	4
AND	
Chemistry 220.....General Chemistry II.....	4
OR	
Physics 210General Physics I	4
AND	
Physics 220General Physics II	4
Psychology 101General Psychology	3
OR	
Sociology 101Introduction to Sociology	3
History	3
Ethnic Studies BLS OR LAC OR Foreign Language†	3-6
Humanities Music History or Art History or Speech.....	3
Total.....	26-29

Mathematics Sequence

Mat 210Calculus I.....	4*
Mat 220Calculus II	4*
Mat 310Calculus III	4*
Mat 320Linear Algebra with Vector Analysis	3
Mat 360Ordinary Differential Equations	3
Total.....	18
Free Electives.....	13-16**

Total Degree Credits60

*Routine changes

**Students pursuing Middle and High School certification in Education at Lehman College should complete the following courses: Education 101, 117, 130 and 140.

†Spanish, French or Italian

Sample Semester Sequence

Semester I	Credits
ENG 110Expository Writing.....	3
MAT 210Calculus I.....	4*
Natural Sciences.....	4
Humanities.....	3
Total.....	14

Semester II	Credits
ENG 111Literature and Composition.....	3
MAT 220Calculus II.....	4*
Natural Sciences.....	4
Psychology 101General Psychology.....	3
OR	
Sociology 101Introduction to Sociology.....	3
Total	14

Semester III	Credits
MAT 310Calculus III.....	4*
History.....	3
Ethnic Studies- BLS or LAC or Foreign Language†.....	3-6
Free Electives.....	3-6
Total.....	16

Semester IV	Credits
MAT 320Linear Algebra with Vector Analysis.....	3
MAT 360Ordinary Differential Equations.....	3*
Free Electives.....	10
Total.....	16