

Baruch COLLEGE

BA IN ACTUARIAL SCIENCE

42 Pathways Credits

9 Pre-Weissman Credits

29 Major Credits

40 Elective Credits

The degree map is a term-by-term sample course schedule to make it easier for you to understand how to graduate in four years with an Actuarial Science major. Use the Degree Map along with DegreeWorks as tools to assist you in planning your academic path to graduation. Your specific program of study could, and probably will, look different. You need to customize your Degree Map to fit your individual needs.

NOTE: A minimum 120 credits is required for the Bachelor of Arts (BA) degree. A minimum of 90 liberal arts credits is required for the BA. FYS 1000 is a requirement for the first term at Baruch College and MUST be completed in order to graduate.

BA IN ACTUARIAL SCIENCE

DEGREE MAP

FALL

SPRING

FRESHMAN

ENG 2100 Writing I ENGLISH COMPOSITION I	3 CR
MTH 2003 Pre-Calculus and Elements of Calculus MATH & QUANTITATIVE REASONING	3 CR
Flexible Core Course PATHWAYS REQUIREMENT	3 CR
Flexible Core Course PATHWAYS REQUIREMENT	3 CR
Flexible Core Course PATHWAYS REQUIREMENT	3 CR
FYS 1000 First Year Seminar DEGREE REQUIREMENT	0 CR

ENG 2150 Writing II ENGLISH COMPOSITION II	3 CR
MTH 2205 Applied Calculus II ELECTIVE REQUIREMENT	3 CR
COM 1010 Speech Communication PRE-WEISSMAN REQUIREMENT	3 CR
Flexible Core Course PATHWAYS REQUIREMENT	3 CR
Flexible Core Course PATHWAYS REQUIREMENT	3 CR

15 FALL CREDITS + 15 SPRING CREDITS = 30 CREDITS

FALL

SPRING

SOPHOMORE

MTH 3006 Integral Calculus ELECTIVE REQUIREMENT	4 CR
ECO 1001 Microeconomics MATH & QUANTITATIVE REASONING	3 CR
Foreign Language I 1 st Semester of Foreign Language PRE-WEISSMAN REQUIREMENT	3 CR
Life and Physical Sciences Natural Sciences Lab Course PATHWAYS REQUIREMENT	3 CR
Scientific World Natural Sciences Lecture Course PATHWAYS REQUIREMENT	3 CR

ECO 1002 Macroeconomics ELECTIVE REQUIREMENT	3 CR
MTH 4410 Theory of Interest MAJOR REQUIREMENT	4 CR
Liberal Arts Elective ELECTIVE REQUIREMENT	3 CR
Foreign Language II 2 nd Semester of Foreign Language PRE-WEISSMAN REQUIREMENT	3 CR
MTH 3030 Analytic Geometry and Calc II MAJOR REQUIREMENT	5 CR

30 PRIOR CREDITS + 16 FALL CREDITS + 18 SPRING CREDITS = 64 CREDITS

*Free Electives can be any business, liberal arts, or public affairs course

BA IN ACTUARIAL SCIENCE

DEGREE MAP

FALL

SPRING

JUNIOR

Liberal Arts Minor Course College Option Course #4 PATHWAYS REQUIREMENT	3 CR
MTH 3300 Algorithms, Computers and Programming I MAJOR REQUIREMENT	3 CR
MTH 4120 Introduction to Probability PATHWAYS REQUIREMENT	4 CR
ACC 2101 Principles of Accounting ELECTIVE REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR

ENG 2800, CMP 2800, ENG 2850, or CMP 2850 Great Works of Literature I or II PATHWAYS REQUIREMENT	3 CR
FIN 3000 Principles of Finance MAJOR REQUIREMENT	3 CR
MTH 4500 Mathematical Finance MAJOR REQUIREMENT	4 CR
Liberal Arts Minor Course College Option Course #3 PATHWAYS REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR

64 PRIOR CREDITS + 16 FALL CREDITS + 16 SPRING CREDITS = 96 CREDITS

FALL

SPRING

SENIOR

FIN 3610 Corporate Finance MAJOR REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR
Liberal Arts Minor Capstone College Option Course #2 PATHWAYS REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR

Major Elective MAJOR REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR

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

*Free Electives can be any business, liberal arts, or public affairs course

THINGS TO TAKE NOTE OF

General Notes

- All Weissman School of Arts and Science majors require completion of at least 90 credits of liberal arts courses
- Your major must be at least 24 credits
- **Be sure to consult with your faculty advisor regarding specific major requirements**
- You must complete a liberal arts minor as part of the College Option requirement to graduate
- You must maintain a 2.0 Baruch GPA in order to remain in Good Academic Standing. You must also maintain a 2.0 major GPA in order to graduate
- FYS 1000 (First Year Seminar) is a required course for all students who entered as new freshmen. Transfer students are not required to take this course
- Consult with the Undergraduate Bulletin to check course descriptions for prerequisites and restrictions: <https://www.baruch.cuny.edu/bulletin/>

The following subjects are considered liberal arts
and can be taken at any level to satisfy liberal arts electives:

AAS	ANT	ART	BIO	BLS	CHM	COM
CMP	ECO	ENG	ENV	FLM	FPA	HED
HIS	HSP	IDC	JRN	LACS	LIB	LTT
LTS	MSC	MTH	PHI	PHY	POL	PSY
	REL	SOC	THE	NSC	WSM	

The following courses are **not** considered liberal arts:

ART 3059	ART 5010	ART 5011	COM 4059	ECO 5010	ECO 5011
FPA 5070	FPA 5071	HED 1810	HED 2920	MSC 2061	MSC 2062
MSC 2063	MSC 2064	MSC 5050	MSC 5051	SOC 4085	SOC 4086
THE 3046	THE 3056				

Notes about the Major

- In order to take MTH 3006 (Integral Calculus), students must obtain a grade of C+ or higher in MTH 2205 or MTH 2207.
- In order to take MTH 3030 (Analytic Geometry and Calculus II), students must attain a grade of C- or higher in MTH 3006.
- Completion of MTH 4120 (Introduction to Probability) satisfies the STA 2000 (Business Statistics) prerequisite for FIN 3000.
- Students interested in this major should consult with the Math Department, located in VC 6-230.