

Baruch COLLEGE

BBA IN COMPUTER INFORMATION SYSTEMS DATA ANALYTICS TRACK

42 Pathways Credits

24 Pre-Business Credits

21 Business Base Credits

24 Major Credits

13 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 a CIS – Data Analytics 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 124 credits is required for the Bachelor of Business Administration (BBA) degree. A minimum of 62 liberal arts credits is required for the BBA. FYS 1000 is a requirement for the first term at Baruch College and **MUST** be completed in order to graduate.

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DEGREE MAP

FRESHMAN		FALL	SPRING
		ENG 2100 3 CR Writing I ENGLISH COMPOSITION I	ENG 2150 3 CR Writing II ENGLISH COMPOSITION II
		MTH 2003 3 CR Pre-calculus and Elements of Calculus MATH & QUANTITATIVE REASONING	MTH 2205 3 CR Applied Calculus II PRE-BUSINESS REQUIREMENT
		Flexible Core Course 3 CR PATHWAYS REQUIREMENT	LAW 1101 3 CR Fundamentals of Business Law PRE-BUSINESS REQUIREMENT
		Flexible Core Course 3 CR PATHWAYS REQUIREMENT	BUS 1011 3 CR Business Fundamentals BUSINESS BASE REQUIREMENT
		Flexible Core Course 3 CR PATHWAYS REQUIREMENT	Flexible Core Course 3 CR PATHWAYS REQUIREMENT
		FYS 1000 0 CR First Year Seminar DEGREE REQUIREMENT	

15 FALL CREDITS + 15 SPRING CREDITS = 30 CREDITS

SOPHOMORE		FALL	SPRING
		CIS 2200 3 CR Intro to Information Systems & Tech PRE-BUSINESS REQUIREMENT	ACC 2101 3 CR Principles of Accounting PRE-BUSINESS REQUIREMENT
		COM 1010 3 CR Speech Communication PRE-BUSINESS REQUIREMENT	ECO 1002 3 CR Macroeconomics PRE-BUSINESS REQUIREMENT
		ECO 1001 3 CR Microeconomics PRE-BUSINESS REQUIREMENT	Liberal Arts Minor Course 3 CR College Option Course #4 PATHWAYS REQUIREMENT
		ENG 2800, CMP 2800, ENG 2850, or CMP 2850 3 CR Great Works of Literature I or II PATHWAYS REQUIREMENT	Life and Physical Sciences 3 CR Natural Sciences Lab Course PATHWAYS REQUIREMENT
		STA 2000 3 CR Business Statistics PRE-BUSINESS REQUIREMENT	Scientific World 3 CR Natural Sciences Lecture Course PATHWAYS REQUIREMENT

30 PRIOR CREDITS + 15 FALL CREDITS + 15 SPRING CREDITS = 60 CREDITS

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

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DEGREE MAP

FALL

SPRING

JUNIOR

Liberal Arts Minor Course College Option Course #3 PATHWAYS REQUIREMENT	3 CR
MGT 3120 Fundamentals of Management BUSINESS BASE REQUIREMENT	3 CR
ACC 2203 Managerial Accounting for Non-Accounting Majors BUSINESS BASE REQUIREMENT	3 CR
MKT 3000 Marketing Foundations BUSINESS BASE REQUIREMENT	3 CR
CIS 3120 Programming for Analytics MAJOR REQUIREMENT	3 CR

CIS 3400 Database Management Systems I MAJOR REQUIREMENT	3 CR
FIN 3000 Principles of Finance BUSINESS BASE REQUIREMENT	3 CR
Major Elective MAJOR REQUIREMENT	3 CR
Major Elective MAJOR REQUIREMENT	3 CR
Flexible Core Course PATHWAYS REQUIREMENT	3 CR

60 PRIOR CREDITS + 15 FALL CREDITS + 15 SPRING CREDITS = 90 CREDITS

FALL

SPRING

SENIOR

CIS/STA 3920 Data Mining for Business Analytics MAJOR REQUIREMENT	3 CR
Major Elective MAJOR REQUIREMENT	3 CR
Liberal Arts Minor Capstone College Option Course #2 PATHWAYS REQUIREMENT	3 CR
MGT 3121 Service Operations Management BUSINESS BASE REQUIREMENT	3 CR
Liberal Arts Elective ELECTIVE REQUIREMENT	3 CR
Liberal Arts Elective ELECTIVE REQUIREMENT	3 CR

Major Elective MAJOR REQUIREMENT	3 CR
CIS 4400 Data Warehousing for Analytics MAJOR REQUIREMENT	3 CR
BPL 5100 Business Policy BUSINESS BASE REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	3 CR
Free Elective* ELECTIVE REQUIREMENT	4 CR

90 PRIOR CREDITS + 18 FALL CREDITS + 16 SPRING CREDITS = 124 CREDITS

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

THINGS TO TAKE NOTE OF

General Notes

- All Zicklin School of Business majors require completion of at least 62 credits of liberal arts courses
- Your major must be at least 24 credits
- **Be sure to consult with the Zicklin website for major requirements:** <https://zicklin.baruch.cuny.edu/>
- 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

- If you have taken CIS 3100 or CIS 3120 as a required course, you may take the other course as a major elective.
- Students can take CIS 5900 (CIS Internship) as an out-of-major elective. For further information on the BBA/CIS – please contact Prof. Radhika Jain at radhika.jain@baruch.cuny.edu.