

Program	3
BAR01 - Edit Program - FIN-MS - Academic Program Action - Change	3
BAR01 - Edit Program - FINENGR-MS - Academic Program Action - Change	5
BAR01 - Edit Program - FINMATH-BS - Academic Program Action - Change	6
BAR01 - Edit Program - MKT-MS - Academic Program Action - Change	7
BAR01 - Edit Program - MKT-MS - Academic Program Action - Change	10
BAR01 - Edit Program - STRATHK-AC - Academic Program Action - Change	12
Course	13
BAR01 - Edit Course - ANT3710 - Course - Change Course Data	13
BAR01 - Edit Course - BLS3002 - Course - Change Course Data	16
BAR01 - New Course - ENG4025 - Course - New Course	19
BAR01 - New Course - FIN9777 - Course - New Course	22
BAR01 - New Course - FIN9877 - Course - New Course	25
BAR01 - New Course - MKT9784 - Course - New Course	28
BAR01 - New Course - MKT9786 - Course - New Course	31
BAR01 - Edit Course - MTH2001 - Course - Change Course Data	34
BAR01 - New Course - MTH4322 - Course - New Course	37
BAR01 - Edit Course - MTH4355 - Course - Change Course Data	40
BAR01 - New Course - MTH4370 - Course - New Course	43
BAR01 - New Course - MTH4375 - Course - New Course	46
BAR01 - Edit Course - MTH9814 - Course - Change Course Data	49
BAR01 - Edit Course - MTH9815 - Course - Change Course Data	52
BAR01 - Edit Course - MTH9816 - Course - Change Course Data	55
BAR01 - Edit Course - MTH9821 - Course - Change Course Data	58
BAR01 - Edit Course - MTH9831 - Course - Change Course Data	61
BAR01 - Edit Course - MTH9841 - Course - Change Course Data	64
BAR01 - Edit Course - MTH9842 - Course - Change Course Data	67
BAR01 - Edit Course - MTH9855 - Course - Change Course Data	70
BAR01 - Edit Course - MTH9865 - Course - Change Course Data	73
BAR01 - Edit Course - MTH9866 - Course - Change Course Data	76
BAR01 - Edit Course - MTH9867 - Course - Change Course Data	79
BAR01 - Edit Course - MTH9871 - Course - Change Course Data	82

BAR01 - Edit Course - MTH9873 - Course - Change Course Data	85
BAR01 - Edit Course - MTH9875 - Course - Change Course Data	88
BAR01 - Edit Course - MTH9877 - Course - Change Course Data	91
BAR01 - Edit Course - MTH9878 - Course - Change Course Data	94
BAR01 - Edit Course - MTH9879 - Course - Change Course Data	97
BAR01 - Edit Course - MTH9881 - Course - Change Course Data	100
BAR01 - Edit Course - MTH9886 - Course - Change Course Data	103
BAR01 - Edit Course - MTH9887 - Course - Change Course Data	106
BAR01 - Edit Course - MTH9893 - Course - Change Course Data	109
BAR01 - Edit Course - MTH9894 - Course - Change Course Data	112
BAR01 - Edit Course - MTH9896 - Course - Change Course Data	115
BAR01 - Edit Course - MTH9897 - Course - Change Course Data	118
BAR01 - Edit Course - MTH9898 - Course - Change Course Data	121
BAR01 - Edit Course - MTH9899 - Course - Change Course Data	124
BAR01 - Edit Course - SOC3126 - Course - Change Course Data	127

Program

BAR01 - Edit Program - FIN-MS - Academic Program Action - Change

Action Detail

Institution
Baruch College

MHC Field of Study Code
-

MHC Field of Study Code

Action
Create a New Concentration

Degree Designation
MS - Master of Science

Distance Education Application

NYSED Form

-

Attachments #1
[MS Finance in Quantitative Finance.pdf](#)

Official Name of Program: Finance
CIP Code: 52.1399
HEGIS Code: 0504.00
Field of Study (IRP): 20786

AIII.3. The following revisions are proposed for a new concentration in Quantitative Finance in the MS in Finance in the Zicklin School of Business. The new concentration will be implemented as a choice among a general concentration, the Fintech concentration and the Quantitative Finance concentration.

Business Program: MS in Finance

HEGIS Code: 0504

Program Code: 20786

Effective: Fall 2025

From: MS in Finance 30 credits			To: MS in Finance 30 credits		
Course	Description	Crs	Course	Description	Crs
General Finance Track			General Finance Track		
Preliminary Courses			Preliminary Courses		
ECO 9730	Firms in the Global Economy	1.5	ECO 9730	Firms in the Global Economy	1.5
ECO 9740	Fundamentals of Macroeconomics	1.5	ECO 9740	Fundamentals of Macroeconomics	1.5
FIN 9762	Introduction to Quantitative Tools for Finance	3	FIN 9762	Introduction to Quantitative Tools for Finance	3
FIN 9770	Corporate Finance	3	FIN 9770	Corporate Finance	3
Courses in Specialization (30 credits)			Courses in Specialization (30 credits)		
Required Courses (10.5 credits)			Required Courses (10.5 credits)		
BUS 9551	Business Communication I	1.5	BUS 9551	Business Communication I	1.5
ECO 9723	Econometrics: Theory and Applications I	3	ECO 9723	Econometrics: Theory and Applications I	3
FIN 9781	Intermediate Corporate Finance	3	FIN 9781	Intermediate Corporate Finance	3
FIN 9783	Investment Analysis	3	FIN 9783	Investment Analysis	3
Elective Courses (19.5 credits)			Elective Courses (19.5 credits)		
Finance Electives: Choose 13.5-19.5 credits from the list below:			Finance Electives: Choose 13.5-19.5 credits from the list below:		
ECO 9713	Money, Banking, and Monetary Policy	3	ECO 9713	Money, Banking, and Monetary Policy	3
ECO 9724	Econometrics: Theory and Applications II	3	ECO 9724	Econometrics: Theory and Applications II	3
FIN 9759	Mergers and Acquisitions	3	FIN 9759	Mergers and Acquisitions	3
FIN 9774	Venture Capital and Entrepreneurial Finance	3	FIN 9774	Venture Capital and Entrepreneurial Finance	3
			FIN 9777	Data Science in Finance	3
FIN 9782	Futures and Forward Markets	3	FIN 9782	Futures and Forward Markets	3
FIN 9784	Management of Financial Institutions	3	FIN 9784	Management of Financial Institutions	3
FIN 9786	International Financial Markets	3	FIN 9786	International Financial Markets	3

FIN 9788	International Corporate Finance	3	FIN 9788	International Corporate Finance	3
FIN 9789	Equity Markets: Trading and Structure	3	FIN 9789	Equity Markets: Trading and Structure	3
FIN 9790	Seminar in Finance	3	FIN 9790	Seminar in Finance	3
FIN 9792	Advanced Corporate Finance	3	FIN 9792	Advanced Corporate Finance	3
FIN 9793	Advanced Investment Analysis	3	FIN 9793	Advanced Investment Analysis	3
FIN 9795	Debt Instruments and Markets	3	FIN 9795	Debt Instruments and Markets	3
FIN 9797	Options Markets	3	FIN 9797	Options Markets	3
FIN 9852	Measurement and Management of Market Risk I	1.5	FIN 9852	Measurement and Management of Market Risk I	1.5
FIN 9853	Measurement and Management of Market Risk II	1.5	FIN 9853	Measurement and Management of Market Risk II	1.5
FIN 9854	Measurement and Management of Credit Risk I	1.5	FIN 9854	Measurement and Management of Credit Risk I	1.5
FIN 9855	Measurement and Management of Credit Risk II	1.5	FIN 9855	Measurement and Management of Credit Risk II	1.5
FIN 9856	Measurement and Management of Risks in Operations and Information Technology	1.5	FIN 9856	Measurement and Management of Risks in Operations and Information Technology	1.5
FIN 9857	Measurement and Management of Risks in Investments	1.5	FIN 9857	Measurement and Management of Risks in Investments	1.5
FIN 9858	Implications of Corporate Governance, Regulation, and Ethics for Risk Management	1.5	FIN 9858	Implications of Corporate Governance, Regulation, and Ethics for Risk Management	1.5
			FIN 9877	AI and Machine Learning in Finance	3
FIN 9880	International Financial Markets	1.5	FIN 9880	International Financial Markets	1.5
FIN 9881	Debt Securities	1.5	FIN 9881	Debt Securities	1.5
FIN 9882	Futures and Forwards	1.5	FIN 9882	Futures and Forwards	1.5
FIN 9883	Options	1.5	FIN 9883	Options	1.5
FIN 9884	Venture Capital	1.5	FIN 9884	Venture Capital	1.5
FIN 9891	Special Topics in Investments	1.5	FIN 9891	Special Topics in Investments	1.5
FIN 9892	Special Topics in Investments	2	FIN 9892	Special Topics in Investments	2
FIN 9893	Special Topics in Investments	3	FIN 9893	Special Topics in Investments	3
FIN 9895	Special Topics in Corporate Finance	1.5	FIN 9895	Special Topics in Corporate Finance	1.5
FIN 9897	Special Topics in Corporate Finance	3	FIN 9897	Special Topics in Corporate Finance	3

FIN 9985	Risk Management in Financial Institutions	3	FIN 9985	Risk Management in Financial Institutions	3
Business Electives: Choose 0-6 credits from the list below:			Business Electives: Choose 0-6 credits from the list below:		
ACC 9110	Financial Accounting	3	ACC 9110	Financial Accounting	3
ACC 9810	Current Topics in Financial Accounting	3	ACC 9810	Current Topics in Financial Accounting	3
ACC 9993	Special Topics in Accountancy	3	ACC 9993	Special Topics in Accountancy	3
CIS 9555	Principles of FinTech	3	CIS 9555	Principles of FinTech	3
RES 9776	Real Estate Finance	3	RES 9776	Real Estate Finance	3

RES 9850	Real Estate Capital Markets	3	RES 9850	Real Estate Capital Markets	3
BUS 9801-9803_OR BUS 9811 - 9813	Graduate Internship I, II, III (in Finance)	1-3	BUS 9801-9803_OR BUS 9811 - 9813	Graduate Internship I, II, III (in Finance)	1-3

FROM: MS in Finance 30 credits

Course	Description	Crs
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Fintech Track

Preliminary Courses

ECO 9730	Firms in the Global Economy	1.5
ECO 9740	Fundamentals of Macroeconomics	1.5
FIN 9762	Introduction to Quantitative Tools for Finance	3
FIN 9770	Corporate Finance	3

Courses in Specialization (30 credits)

Required Courses (10.5 credits)

BUS 9551	Business Communication I	1.5
ECO 9723	Econometrics: Theory and Applications I	3
FIN 9781	Intermediate Corporate Finance	3
FIN 9783	Investment Analysis	3

Fintech Track Required Courses (12 credits) The following courses are required for all Fintech students. Students are advised to take the required courses as early in the program as they can because they serve as the prerequisites for many electives.

To: MS in Finance 30 credits

Course	Description	Crs
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Fintech Track

Preliminary Courses

ECO 9730	Firms in the Global Economy	1.5
ECO 9740	Fundamentals of Macroeconomics	1.5
FIN 9762	Introduction to Quantitative Tools for Finance	3
FIN 9770	Corporate Finance	3

Courses in Specialization (30 credits)

Required Courses (10.5 credits)

BUS 9551	Business Communication I	1.5
ECO 9723	Econometrics: Theory and Applications I	3
FIN 9781	Intermediate Corporate Finance	3
FIN 9783	Investment Analysis	3

Fintech Track Required Courses (12 credits) The following courses are required for all Fintech students. Students are advised to take the required courses as early in the program as they can because they serve as the prerequisites for many electives.

CIS 9555	Principles of Fintech	3	CIS 9555	Principles of Fintech	3
CIS 9551 or CIS 9556	Blockchain Technologies and Applications or Risk Management and Information Security	3	CIS 9551 or CIS 9556	Blockchain Technologies and Applications or Risk Management and Information Security	3
LAW 9250	Financial Regulation of Emerging Technologies	3	LAW 9250	Financial Regulation of Emerging Technologies	3
LAW 9720 or LAW 9708	Information Privacy Law and Policy or Law and Technology: Protecting Innovation, Managing Exposures, and Achieving Compliance	3	LAW 9720 or LAW 9708	Information Privacy Law and Policy or Law and Technology: Protecting Innovation, Managing Exposures, and Achieving Compliance	3
Fintech Track Elective Courses: Choose 7.5 credits from the list of CIS, LAW, and ECO/FIN courses below. Students may take up to 3 credits of internship (BUS 980-9803 or BUS 9811-9813) toward their electives.			Fintech Track Elective Courses: Choose 7.5 credits from the list of CIS, LAW, and ECO/FIN courses below. Students may take up to 3 credits of internship (BUS 980-9803 or BUS 9811-9813) toward their electives.		
CIS 9650	Programming for Analytics	3	CIS 9650	Programming for Analytics	3

CIS 9760	Big Data Technologies	3	CIS 9760	Big Data Technologies	3
CIS 9551	Blockchain Technologies and Applications	3	CIS 9551	Blockchain Technologies and Applications	3
CIS 9556	Risk Management and Information Security	3	CIS 9556	Risk Management and Information Security	3
FIN 9784	Management of Financial Institutions	3	FIN 9784	Management of Financial Institutions	3
FIN 9795	Debt Instruments and Markets	3	FIN 9795	Debt Instruments and Markets	3
FIN 9797	Options Markets	3	FIN 9797	Options Markets	3
FIN 9852	Measurement and Management of Market Risk I	1.5	FIN 9852	Measurement and Management of Market Risk I	1.5
FIN 9853	Measurement and Management of Market Risk II	1.5	FIN 9853	Measurement and Management of Market Risk II	1.5
FIN 9854	Measurement and Management of Credit Risk I	1.5	FIN 9854	Measurement and Management of Credit Risk I	1.5
FIN 9855	Measurement and Management of Credit Risk II	1.5	FIN 9855	Measurement and Management of Credit Risk II	1.5
FIN 9856	Measurement and Management of Risks in Operations and Information Technology	1.5	FIN 9856	Measurement and Management of Risks in Operations and Information Technology	1.5
FIN 9857	Measurement and Management of Risks in Investments	1.5	FIN 9857	Measurement and Management of Risks in Investments	1.5
FIN 9891	Special Topics in Investments	1.5	FIN 9891	Special Topics in Investments	1.5

FIN 9893	Special Topics in Investments	3	FIN 9893	Special Topics in Investments	3
LAW 9720	Information Privacy Law and Policy	3	LAW 9720	Information Privacy Law and Policy	3
LAW 9104	Securities Law/Business Crime	3	LAW 9104	Securities Law/Business Crime	3
LAW 9111	United States Banking Law	3	LAW 9111	United States Banking Law	3
LAW 9708	Law and Technology: Protecting Innovation, Managing Exposures, and Achieving Compliance	3	LAW 9708	Law and Technology: Protecting Innovation, Managing Exposures, and Achieving Compliance	3
BUS 9801-9803 OR BUS 9811 - 9813	Graduate Internship I, II, III (in Finance)	1-3	BUS 9801-9803 OR BUS 9811 - 9813	Graduate Internship I, II, III (in Finance)	1-3
			To: MS in Finance 30 credits		
			Course	Description	Crs
			Quantitative Finance Track		
			Preliminary Courses		
			ECO 9730	Firms in the Global Economy	1.5
			ECO 9740	Fundamentals of Macroeconomics	1.5
			FIN 9762	Introduction to Quantitative Tools for Finance	3
			FIN 9770	Corporate Finance	3
			Courses in Specialization (30 credits)		
			Required Courses (10.5 credits)		
			BUS 9551	Business Communication I	1.5
			ECO 9723	Econometrics: Theory and Applications I	3
			FIN 9781	Intermediate Corporate Finance	3
			FIN 9783	Investment Analysis	3
			Quantitative Finance Track Required Courses (6 credits) The following courses are required for all Quantitative Finance Track students. Students are advised to take the required courses as early in the program as they can because they serve as the prerequisites for many electives.		
			FIN 9777	Data Science in Finance	3
			FIN 9877	AI and Machine Learning in Finance	3
			Quantitative Finance Track Elective Courses: Choose 13.5 credits		

			from the list of ECO/FIN courses below. Students may take up to 3 credits of internship (BUS 980-9803 or BUS 9811-9813) toward their electives.		
			ECO 9724	Econometrics: Theory and Applications II	3
			FIN 9782	Futures and Forward Markets	3
			FIN 9786	International Financial Markets	3
			FIN 9789	Equity Markets: Trading and Structure	3
			FIN 9790	Seminar in Finance	3
			FIN 9795	Debt Instruments and Markets	3
			FIN 9797	Options Markets	3
			FIN 9852	Measurement and Management of Market Risk I	1.5
			FIN 9853	Measurement and Management of Market Risk II	1.5
			FIN 9854	Measurement and Management of Credit Risk I	1.5
			FIN 9855	Measurement and Management of Credit Risk II	1.5
			FIN 9856	Measurement and Management of Risks in Operations and Information Technology	1.5
			FIN 9857	Measurement and Management of Risks in Investments	1.5
			FIN 9858	Implications of Corporate Governance, Regulation, and Ethics for Risk Management	1.5
			FIN 9891	Special Topics in Investments	1.5
			FIN 9893	Special Topics in Investments	3
			FIN 9985	Risk Management in Financial Institutions	3
			BUS 9801-9803 OR BUS 9811 - 9813	Graduate Internship I, II, III (in Finance)	1-3

Rationale:

The financial sector is rapidly evolving and placing greater emphasis on quantitative methods and technological advancements. Many roles in finance, particularly in areas such as quantitative investment analysis, asset management, and risk management, value candidates with quantitative finance expertise.

This new concentration in Quantitative Finance would provide an opportunity for students to gain specialized knowledge in financial data modeling, AI and machine learning in finance. In addition, students can choose from specialized areas such as equity, fixed income, futures, options, international markets, risk management to gain in-depth knowledge in these financial products and services. The concentration equips students with the skills necessary to navigate technology changes effectively and remain competitive in an increasingly dynamic job market of quantitative finance.

BAR01 - Edit Program - FINENGR-MS - Academic Program Action - Change

Action Detail

Institution

Baruch College -

MHC Field of Study Code

Action

Changes to the Curriculum

Degree Designation

MS - Master of Science

NYSED Form

- Distance Education Application -

Attachments #2

[NOV.DEC 2024 WSAS AUR action - MS Financial Engineering Revsion.pdf](#)

Official Name of Program

Financial Engineering

CIP Code

27.0305

HEGIS

Code

1703.00

Field of Study (IRP)

24276

**Baruch College
Academic University Report Detail
NOVEMBER/DECEMBER 2024**

PART A: ACADEMIC MATTERS

The following recommendations of the Graduate Affairs Committee were approved at the Mildred and George Weissman School of Arts and Sciences Faculty Meeting on September 26, 2024 effective the Fall 2025 semester, pending approval of the Board of Trustees.

Section AllI: Changes in Degree Programs

AllI.1.3 The following revisions are proposed for the MS in Financial Engineering

Program: MS in Financial Engineering
Program Code: 24276
HEGIS Code: 1703.00
Effective Term: Fall 2025

From: MS in Financial Engineering	To: MS in Financial Engineering
<p>The Baruch College Financial Engineering MS Program is a professional Masters Program that graduates competitive, high-quality individuals who successfully pursue careers in quantitative finance.</p> <p>The Master of Science in Financial Engineering (MFE) requires the completion of 36 credits, including 10.5 credits to be completed from required courses and 25.5 credits to be completed from elective courses. Students entering the program with exceptional mathematical or financial skills may be permitted to replace one or more of the required courses with additional electives.</p>	<p>The Baruch College Financial Engineering MS Program is a professional Masters Program that graduates competitive, high-quality individuals who successfully pursue careers in quantitative finance.</p> <p>The Master of Science in Financial Engineering (MFE) requires the completion of 36 credits, including 10.5 credits to be completed from required courses and 25.5 credits to be completed from elective courses. <u>Students may take a maximum of six (6) elective credits from the Zicklin School of Business.</u></p>

The curriculum of the MFE Program is designed to provide students with the background required for modeling and solving problems that arise in the financial services industry across various markets and asset classes. All courses are offered in the evening to accommodate students with work commitments.

Students entering the program with exceptional mathematical or financial skills may be permitted to replace one or more of the required courses with additional electives.

The curriculum of the MFE Program is designed to provide students with the background required for modeling and solving problems that arise in the financial services industry across various markets and asset classes. All courses are offered in the evening to accommodate students with work commitments.

Courses in Specialization (36 credits)
Required Courses (10.5 credits)

MTH 9814	Financial Markets and Securities	1.5 credits
MTH 9821	Numerical Methods for Finance I	3 credits
MTH 9831	Probability and Stochastic Processes for Finance I	3 credits
MTH 9903	Capstone Project and Presentation	3 credits

Courses in Specialization (36 credits)
Required Courses (10.5 credits)

MTH 9814	Financial Markets and Securities	1.5 credits
MTH 9831	Probability and Stochastic Processes for Finance I	3 credits
MTH 9903	Capstone Project and Presentation	3 credits
MTH 9903	Capstone Project and Presentation	3 credits

Elective Courses (25.5 credits)
 Choose from the following courses:

MTH 9760	Big Data Technologies	3 credits
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Elective Courses (25.5 credits)
 Students may take a maximum of six (6) elective credits from the Zicklin School of Business. See below for the approved list of economics (ECO), finance (FIN), and statistics (STA) courses.

Choose from the following courses:

MTH 9760	Big Data Technologies	3 credits
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MTH 9796	Statistical Natural Language Processing	1.5 credits	MTH 9796	Statistical Natural Language Processing	1.5 credits
MTH 9797	Advanced Data Analysis	1.5 credits	MTH 9797	Advanced Data Analysis	1.5 credits
MTH 9815	Software Engineering in Finance	1.5 credits	MTH 9815	Software Engineering in Finance	1.5 credits
MTH 9816	Fundamentals of Trading	1.5 credits	MTH 9816	Fundamentals of Trading	1.5 credits
MTH 9841	Statistics for Finance	3 credits	MTH 9841	Statistics for Finance	3 credits
MTH 9842	Optimization Techniques in Finance	1.5 credits	MTH 9842	Optimization Techniques in Finance	1.5 credits
MTH 9845	Market and Credit Risk Management	3 credits	MTH 9845	Market and Credit Risk Management	3 credits
MTH 9848	Elements of Structured Finance	3 credits	MTH 9848	Elements of Structured Finance	3 credits
MTH 9852	Numerical Methods for Finance II	3 credits	MTH 9852	Numerical Methods for Finance II	3 credits
MTH 9855	Asset Allocation and Portfolio Management	3 credits	MTH 9855	Asset Allocation and Portfolio Management	3 credits
MTH 9862	Probability and Stochastic Processes for Finance II	3 credits	MTH 9862	Probability and Stochastic Processes for Finance II	3 credits
MTH 9863	Volatility Filtering and Estimation	1.5 credits	MTH 9863	Volatility Filtering and Estimation	1.5 credits
MTH 9864	Model Review for Quantitative Models in Finance	1.5 credits	MTH 9864	Model Review for Quantitative Models in Finance	1.5 credits
MTH 9865	Commodities and Futures Trading	1.5 credits	MTH 9865	Commodities and Futures Trading	1.5 credits
MTH 9866	Modeling and Market Making in Foreign Exchange	1.5 credits	MTH 9866	Modeling and Market Making in Foreign Exchange	1.5 credits
MTH 9867	Time Series Analysis and Algorithmic Trading	3 credits	MTH 9867	Time Series Analysis and Algorithmic Trading	3 credits
MTH 9868	Advanced Risk and Portfolio Management	3 credits	MTH 9868	Advanced Risk and Portfolio Management	3 credits

MTH 9871	Advanced Computational Methods in Finance	1.5 credits	MTH 9871	Advanced Computational Methods in Finance	1.5 credits
MTH 9872	Current Topics in Data Science for Financial Engineering Applications	1.5 credits	MTH 9872	Current Topics in Data Science for Financial Engineering Applications	1.5 credits
MTH 9873	Interest Rate Models and Interest Rate Derivatives	3 credits	MTH 9873	Interest Rate Models and Interest Rate Derivatives	3 credits
MTH 9875	The Volatility Surface	3 credits	MTH 9875	The Volatility Surface	3 credits
MTH 9876	Credit Risk Models	3 credits	MTH 9876	Credit Risk Models	3 credits
MTH 9877	Interest Rate and Credit Models	3 credits	MTH 9877	Interest Rate and Credit Models	3 credits
MTH 9878	Interest Rate Models	3 credits	MTH 9878	Interest Rate Models	3 credits
MTH 9879	Market Microstructure Models	3 credits	MTH 9879	Market Microstructure Models	3 credits
MTH 9881	Current topics in Mathematical Finance	3 credits	MTH 9881	Current topics in Mathematical Finance	3 credits
MTH 9882	Fixed Income Risk Management	1.5 credits	MTH 9882	Fixed Income Risk Management	1.5 credits
MTH 9883	Structured Security Valuation in the Primary Market	1.5 credits	MTH 9883	Structured Security Valuation in the Primary Market	1.5 credits
MTH 9886	Emerging Markets and Inflation Modeling	1.5 credits	MTH 9886	Emerging Markets and Inflation Modeling	1.5 credits
MTH 9887	Blockchain Technologies in Finance	1.5 credits	MTH 9887	Blockchain Technologies in Finance	1.5 credits
MTH 9888	Decentralized Finance	1.5 credits	MTH 9888	Decentralized Finance	1.5 credits
MTH 9889	Data Science III: Deep Learning	1.5 credits	MTH 9889	Data Science III: Deep Learning	1.5 credits
MTH 9890	Fintech for Quants	1.5 credits	MTH 9890	Fintech for Quants	1.5 credits
MTH 9891	Introduction to Applied Financial Econometrics	1.5 credits	MTH 9891	Introduction to Applied Financial Econometrics	1.5 credits

MTH 9892	Cryptocurrencies and Their Derivatives	1.5 credits	MTH 9892	Cryptocurrencies and Their Derivatives	1.5 credits
MTH 9893	Time Series Analysis	1.5 credits	MTH 9893	Time Series Analysis	1.5 credits
MTH 9894	Algorithmic Trading	1.5 credits	MTH 9894	Algorithmic Trading	1.5 credits
MTH 9896	Behavioral Finance	1.5 credits	MTH 9896	Behavioral Finance	1.5 credits
MTH 9897	Systematic Trading	1.5 credits	MTH 9897	Systematic Trading	1.5 credits
MTH 9898	Data Science in Finance I: Big Data in Finance	1.5 credits	MTH 9898	Data Science in Finance I: Big Data in Finance	1.5 credits
MTH 9899	Data Science in Finance II: Machine Learning	1.5 credits	MTH 9899	Data Science in Finance II: Machine Learning	1.5 credits
ECO 82100	(Term I) Econometrics I	3 credits	ECO 82100	(Term I) Econometrics I	3 credits
ECO 82100	(Term II) Financial Econometrics	3 credits	ECO 82100	(Term II) Financial Econometrics	3 credits
FIN 9770	Corporate Finance	3 credits	FIN 9770	Corporate Finance	3 credits
FIN 9782	Futures and Forward Markets	3 credits	FIN 9782	Futures and Forward Markets	3 credits
FIN 9783	Investment Analysis	3 credits	FIN 9783	Investment Analysis	3 credits
FIN 9786	International Financial Markets	3 credits	FIN 9786	International Financial Markets	3 credits
FIN 9790	Seminar in Finance	3 credits	FIN 9790	Seminar in Finance	3 credits
FIN 9793	Advanced Investment Analysis	3 credits	FIN 9793	Advanced Investment Analysis	3 credits
FIN 9797	Options Markets	3 credits	FIN 9797	Options Markets	3 credits
STA 9700	Modern Regression Analysis	3 credits	STA 9700	Modern Regression Analysis	3 credits
STA 9701	Time Series: Forecasting and Statistical Modeling	3 credits	STA 9701	Time Series: Forecasting and Statistical Modeling	3 credits
Total credits required for the MA degree: 36			Total credits required for the MA degree: 36		

Rationale: From the inception of the program in 2002, students in the Master in Financial Engineering program have been able to take elective courses in the Zicklin School of Business. When the program started, there were 30 credits of required courses and 6 credits of elective courses, which limited the number of credits that Baruch MFE students could take in Zicklin to 6 credits.

As the curriculum of the program evolved, the flexibility provided to the students increased and currently students can take 25.5 credits of elective courses. Most students take all their credits in Weissman and there has never been a student taking more than 6 credits in Zicklin. We would like to formally specify that Baruch MFE students cannot take more than 6 credits of elective courses in Zicklin.

BAR01 - Edit Program - FINMATH-BS - Academic Program Action - Change

Action Detail

Institution

Baruch College

MHC Field of Study Code

39851

Action

Degree Designation

BS - Bachelor of Science

NYSED Form

Distance Education Application

Attachments #3

[NOV.DEC 2024 WSAS AUR action - Financial Mathematics Major Revision.pdf](#)

Official Name of Program

Financial Mathematics

CIP Code

27.0305

HEGIS Code

1703.00

Field of Study (IRP)

37399

**Baruch College
Academic University Report Detail
NOVEMBER/DECEMBER 2024**

PART A: ACADEMIC MATTERS

The following recommendations of the Committee on Undergraduate Curriculum were approved at the Mildred and George Weissman School of Arts and Sciences Faculty Meeting on September 26, 2024 effective the Fall 2025 semester, pending approval of the Board of Trustees.

Section AllI: Changes in Degree Programs

AllI.1.2 The following revisions are proposed for the BS in Financial Mathematics major

Program: BS in Financial Mathematics
Program Codes: 37399 and 39851 (Macaulay Honors)
HEGIS Code: 0703.00
Effective: Fall 2025

From:			TO:		
Mathematics Program Prerequisites:			n/c		
As a preliminary requirement, students must complete the calculus requirement, which may be achieved by any one of the following six methods:			n/c		
Option 1:			n/c		
	Calculus AP Exam (BC) with a score of 4 or 5 (transfers to Baruch as MTH 2610 and MTH 3010)	8 credits			
MTH 3050	Calculus III and Vector Calculus*	4 credits			

Option 2:			n/c		
	Calculus AP exam (AB) with a score of 4 or 5 (transfers to Baruch as MTH 2610)	4 credits			
MTH 3010	Calculus II	4 credits			
MTH 3050	Calculus III and Vector Calculus*	4 credits			
Option 3:			n/c		
MTH 2600 or MTH 2610	Calculus I with Trigonometry Refresher or Calculus I	4 credits			
MTH 3010	Calculus II	4 credits			
MTH 3050	Calculus III and Vector Calculus*	4 credits			
Option 4:			n/c		
MTH 2205 or MTH 2206 or	Precalculus and Elements of Calculus 1B	3 credits			
MTH 2207	Elements of Calculus I and Matrix Algebra	4 credits			
<i>and the following three courses:</i>					
MTH 3006	Elements of Calculus II	4 credits			
MTH 3030	Elements of Calculus III	5 credits			
MTH 3035	Vector Calculus*	1 credits			
Option 5:			n/c		
MTH 2205 / MTH 2206	Precalculus and Elements of Calculus 1B	3 credits			

MTH 2207	Elements of Calculus I and Matrix Algebra	4 credits			
and the following three courses:					
MTH 3006	Elements of Calculus II	4 credits			
MTH 3007	Infinite Series	1 credits			
MTH 3050	Calculus III and Vector Calculus*	4 credits			
Option 6:			n/c		
MTH 2630	Analytic Geometry and Calculus I	5 credits			
MTH 3030	Elements of Calculus III	5 credits			
MTH 3035	Vector Calculus *	1 credits			
Each option also requires:			n/c		
MTH 4000*	Bridge to Higher Mathematics	4 credits			
* NOTES:					
<ol style="list-style-type: none"> 1. At least an overall B+ average is required for the calculus courses preceding MTH 3020, MTH 3030 or MTH 3050 in each of the above options. 2. MTH 3050 may be replaced with MTH 3020 and MTH 3035 in any of the above options. 3. At least a B or better is required in: MTH 3050; or MTH 3020 and MTH 3035; or MTH 3030 and MTH 3035 as appropriate. 4. To gain official admission to the program students must complete MTH 4000 with a minimum grade of B. 					
Business Program Prerequisites:			n/c		
ACC 2101	Principles of Accounting	3 credits			
ECO 1001	Micro-Economics	3 credits			

ECO 1002	Macro-Economics	3 credits			
Required Finance Courses:			n/c		
FIN 3000	Principles of Finance	3 credits			
FIN 3610	Corporate Finance	3 credits			
Required Upper-level Mathematics Courses:			Required Upper-level Mathematics Courses:		
MTH 3300	Algorithms, Computers, and Programming I	3 credits	MTH 3300	Algorithms, Computers, and Programming I	3 credits
MTH 4100	Linear Algebra	3 credits	<u>MTH 3210</u>	<u>A First Course in Linear Algebra</u>	3 credits
			<u>or</u>	<u>or</u>	
			MTH 4100	Linear Algebra	
MTH 4115	Numerical Methods for Differential Equations	4 credits	MTH 4115	Numerical Methods for Differential Equations	4 credits
MTH 4120	Introduction to Probability *	4 credits	MTH 4120	Introduction to Probability *	4 credits
MTH 4125	Introduction to Stochastic Processes	4 credits	MTH 4125	Introduction to Stochastic Processes	4 credits
MTH 4130	Mathematics of Data Analysis (formerly Mathematics of Statistics)	4 credits	MTH 4130	Mathematics of Data Analysis (formerly Mathematics of Statistics)	4 credits
MTH 4300	Algorithms, Computers, and Programming II	3 credits	MTH 4300	Algorithms, Computers, and Programming II	3 credits
MTH 4500	Introductory Financial Mathematics	4 credits	MTH 4500	Introductory Financial Mathematics	4 credits
MTH 4600	Data Analysis and Simulation for Financial Engineers	4 credits	MTH 4600	Data Analysis and Simulation for Financial Engineers	4 credits
MTH 5500	Stochastic Calculus for Finance	4 credits	MTH 5500	Stochastic Calculus for Finance	4 credits

* Students who have completed MTH 3120 cannot enroll in MTH 4120. They must satisfy the probability requirement by registering for MTH 4119 as an independent study (please consult the Department of Mathematics).

* Students who have completed MTH 3120 cannot enroll in MTH 4120. They must satisfy the probability requirement by registering for MTH 4119 as an independent study (please consult the Department of Mathematics).

Rationale: The recently created MTH 3210 course is being added as an alternative to MTH 4100 in the requirements. The topics in linear algebra that are required for this major are all covered in MTH 3210.

BAR01 - Edit Program - MKT-MS - Academic Program Action - Change

Action Detail

Institution: Baruch College

Action: Changes to the Curriculum

Degree Designation:: MS - Master of Science

NYSED Form Distance Education Application

Attachments #4

[MS Marketing Concentration in Marketing Analytics.pdf](#)

Program Details

Official Name of Program: Marketing

CIP Code: 52.1401

HEGIS Code: 0509.00

Field of Study (IRP): 79231

All:2.2 The following revisions are proposed for the MS in Marketing (Marketing Analytics Concentration) in the Zicklin School of Business

Program: MS in Marketing – Marketing Analytics Track

HEGIS Code: 0509.00

Program Code: 79231

Effective: Fall 2025

From: MS in Marketing – Marketing Analytics			To: MS in Marketing – Marketing Analytics		
Course	Description	Crs	Course	Description	Crs
Courses in Specialization (30 Credits)			Courses in Specialization (30 Credits)		
Required (15 credits)			Required (15 credits)		
BUS 9551	Business Communication I	1.5	BUS 9551	Business Communication I	1.5
MKT 9702	Marketing Research	3	MKT 9702	Marketing Research	3
MKT 9703	Marketing Management	3	MKT 9703	Marketing Management	3
MKT 9716	Consumer Behavior	3	MKT 9716	Consumer Behavior	3
MKT 9759	Marketing Consulting Practicum	1.5	MKT 9759	Marketing Consulting Practicum	1.5
MKT 9737	Marketing Analytics	3	MKT 9737	Marketing Analytics	3

Electives (15 credits)			Electives (15 credits)		
Choose a minimum of 9 credits from the following:			Choose a minimum of 9 credits from the following:		
MKT 9728	Media Planning in the Digital World	3	MKT 9728	Media Planning in the Digital World	3
MKT 9738	Web Analytics and Intelligence	3	MKT 9738	Web Analytics and Intelligence	3
MKT 9740	Data-driven Marketing Strategy	3	MKT 9740	Data-driven Marketing Strategy	3
MKT 9741	Marketing Analytics with Big Data	3	MKT 9741	Marketing Analytics with Big Data	3
MKT 9742	Social Media Analytics	3	MKT 9742	Social Media Analytics	3
MKT 9780	Digital Marketing	3	MKT 9780	Digital Marketing	3
MKT 9782	Search Engine Marketing	1.5			
MKT 9783	Social Media Marketing	1.5			
MKT 9785	Digital Marketing Strategy	3	MKT 9785	Digital Marketing Strategy	3
			<u>MKT 9786</u>	<u>Generative AI-empowered Marketing Strategy</u>	<u>3</u>
MKT 9796	Special Topics in Marketing Analytics	1.5	MKT 9796	Special Topics in Marketing Analytics	1.5
MKT 9797	Special Topics in Marketing Analytics	3	MKT 9797	Special Topics in Marketing Analytics	3
STA 9661	Multivariate Statistics for Business Analytics Prerequisite: STA 9708 – Applied Statistical Analysis for Business Decisions	3	STA 9661	Multivariate Statistics for Business Analytics Prerequisite: STA 9708 – Applied Statistical Analysis for Business Decisions	3

Choose up to 6 credits from any 9000-level courses in the Department of Marketing and International Business, including the following STA/CIS courses.			Choose up to 6 credits from any 9000-level courses in the Department of Marketing and International Business, including the following STA/CIS courses.		
CIS 9467	Business Modeling with Spreadsheets	3	CIS 9467	Business Modeling with Spreadsheets	3
			<u>STA 9661</u>	<u>Multivariate Statistics for Business Analytics</u> <u>Prerequisite: STA 9708 – Applied Statistical Analysis for Business Decisions</u>	3
CIS 9660	Data Mining for Business Analytics Prerequisite: STA 9708 – Applied Statistical Analysis for Business Decisions and CIS 9650 Programming for Analytics	3	CIS 9660	Data Mining for Business Analytics Prerequisite: STA 9708 – Applied Statistical Analysis for Business Decisions and CIS 9650 Programming for Analytics	3
STA 9700	Applied Regression Analysis Prerequisite: STA 9708 – Applied Statistical Analysis for Business Decisions	3	STA 9700	Applied Regression Analysis Prerequisite: STA 9708 – Applied Statistical Analysis for Business Decisions	3
STA 9705	Multivariate Statistical Methods	3	STA 9705	Multivariate Statistical Methods	3
STA 9750/ OPR 9750	Software Tools for Data Analysis	3	STA 9750/ OPR 9750	Software Tools for Data Analysis	3
			OPM 9500	Decision Models and Analytics	3
			CIS 9557	Business Analytics	3

Elective changes effective for both new and current students. MKT 9784 is not open to students who have completed MKT 9782 and MKT 9783.

The changes that are being proposed to the M.S. in Marketing (Marketing Analytics Concentration) are the following:

1. Deletion of the courses MKT 9782(Search Marketing) and MKT 9783 (Social Media Marketing) from the elective pool.
2. Addition of new course MKT 9786 Generative AI-empowered Marketing Strategy as a new course in the elective pool.
3. Deletion of MKT 9728 from the elective pool.
4. Deletion of CIS 9660 and STA 9705 from the elective pool.
5. Addition of OPM 9500 and CIS 9557 to the elective pool

Rationale:

1. Deletion of MKT 9782 and MKT 9783: The department is offering a new course MKT 9784 (Branding and Content Strategy for the Digital Age) which is a 3-credit course. This 3-credit course is an amalgamation of MKT 9782 (Search Marketing) MKT 9783 (Social Media Marketing) which were 1.5 credits each. Moreover, the new course MKT 9784 also covers new topics such as the role of AI, ethical and global issues relating to content marketing and brand building apart from other topics. This course is an advanced elective in the Digital Marketing track, which does not lend itself to advancing the learning of students seeking a specialization in Marketing Analytics. It should be noted that elective courses in the Marketing Analytics track, such as MKT 9780 (Digital Marketing) and MKT 9782 (Digital Marketing Strategy), provide the requisite knowledge of digital marketing channels and strategies, including social and search strategies. These courses provide the requisite depth of knowledge in digital marketing as required by students specializing in marketing analytics. And MKT 9742 (Social Media Analytics) covers the analytical component for digital marketing in-depth.
2. Addition of the new course MKT 9786: The department is offering a new course, MKT 9786 (Generative AI-empowered Marketing Strategy), which is a 3-credit course. This course exposes students to AI applications in various marketing aspects, ranging from applications in marketing models related to segmentation, clustering and optimization to strategy formulation and execution. Offering this course is timely in this increasingly digital and AI-driven era. With this comprehensive course in AI in Marketing, we can guide future marketers on how to use AI responsibly, maintain consumer trust, and comply with evolving data privacy and protection regulations.

3. Deletion of MKT 9728: The content covered in this course is no longer analytics-focused enough to be listed as part of the main electives for this track. And other courses (MKT 9780 and MKT 9782) cover the main concepts that are covered in MKT 9728 which are relevant for today's industry.
4. Deletion of CIS 9660 and STA 9705 from electives list: Both these courses have pre-requisites or co-requisites other than STA 9708. Marketing analytics major students are unable to take these courses because of these additional Pre-Reqs and Co-Reqs and therefore there is no point in listing them in the possible electives list. It only makes it confusing for students.
5. Addition of CIS 9557 and OPM 9500: These courses cover fundamentals of business analytics and decision models, that Marketing students would benefit from. This is especially true for those that come from a professional Marketing Background and would benefit from exposure to information technology functions and optimization models. Neither of these courses have pre-requisites which the marketing analytics students will have not taken.

BAR01 - Edit Program - MKT-MS - Academic Program Action - Change

Action Detail

Institution
Baruch College

MHC Field of Study Code

Action
Changes to the Curriculum

Degree Designation
MS - Master of Science

Summary

NYSED Form
Distance Education Application

Attachments #5
[MS Marketing Concentration in Digital Marketing.pdf](#)

Program Details

Official Name of Program
Marketing

CIP Code: 52.1401
Field of Study (IRP): 79231

HEGIS Code: 0509.00

All:2.1 The following revisions are proposed for the MS in Marketing (Digital Marketing Concentration) at the Zicklin School of Business

Program: MS in Marketing – Digital Marketing Track

HEGIS Code: 0509.00

Program Code: 79231

Effective: Fall 2025

From: MS in Marketing – Digital Marketing			To: MS in Marketing – Digital Marketing		
Course	Description	Crs	Course	Description	Crs
Courses in Specialization (30 Credits)			Courses in Specialization (30 Credits)		
Required (15 credits)			Required (15 credits)		
BUS 9551	Business Communication I	1.5	BUS 9551	Business Communication I	1.5
MKT 9702	Marketing Research	3	MKT 9702	Marketing Research	3
MKT 9703	Marketing Management	3	MKT 9703	Marketing Management	3
MKT 9716	Consumer Behavior	3	MKT 9716	Consumer Behavior	3
MKT 9759	Marketing Consulting Practicum	1.5	MKT 9759	Marketing Consulting Practicum	1.5
MKT 9780	Digital Marketing	3	MKT 9780	Digital Marketing	3
Electives (15 credits)			Electives (15 credits)		
Choose a minimum of 9 credits from the following:			Choose a minimum of 9 credits from the following:		

MKT 9726	Direct Marketing I: Strategy and Tactics	3			3
MKT 9728	Media Planning in the Digital World	3	MKT 9728	Media Planning in the Digital World	3
MKT 9736	Direct Marketing II: Database Marketing and Managing the Creative Process	3			
MKT 9737	Marketing Analytics	3	MKT 9737	Marketing Analytics	3
MKT 9738	Web Analytics and Intelligence	3	MKT 9738	Web Analytics and Intelligence	3
MKT 9741	Marketing Analytics with Big Data		MKT 9741	Marketing Analytics with Big Data	3
MKT 9742	Social Media Analytics		MKT 9742	Social Media Analytics	3
MKT 9764	Internet Marketing and Global Business	3	MKT 9764	Internet Marketing and Global Business	3
MKT 9782	Search Engine Marketing	1.5	MKT 9784	Branding and Content Strategy for the Digital Age	3
MKT 9783	Social Media Marketing	1.5			
MKT 9785	Digital Marketing Strategy	3	MKT 9785	Digital Marketing Strategy	3
			MKT 9786	Generative AI-empowered Marketing Strategy	3
MKT 9794	Special Topics in Digital Marketing	1.5	MKT 9794	Special Topics in Digital Marketing	1.5
MKT 9795	Special Topics in Digital Marketing	3	MKT 9795	Special Topics in Digital Marketing	3

Choose up to 6 credits from any 9000-level courses in the Department of Marketing and International Business, including the following STA/CIS courses.			Choose up to 6 credits from any 9000-level courses in the Department of Marketing and International Business, including the following STA/CIS courses.		
CIS 9340	Principles of Database Management Systems	3	CIS 9340	Principles of Database Management Systems	3
STA 9661	Multivariate Statistics for Business Analytics	3	STA 9661	Multivariate Statistics for Business Analytics	3
STA 9700	Applied Regression Analysis	3	STA 9700	Applied Regression Analysis	3
STA 9705	Multivariate Statistical Methods	3	STA 9705	Multivariate Statistical Methods	3
STA 9750/ OPR 9750	Software Tools for Data Analysis	3	STA 9750/ OPR 9750	Software Tools for Data Analysis	3

Elective changes effective for both new and current students. MKT 9784 is not open to students who have completed MKT 9782 and MKT 9783.

The changes that are being proposed to the M.S. in Marketing (Digital Marketing Concentration) are the following:

1. Deletion of the courses MKT 9726 (Direct Marketing I: Strategy and Tactics) and MKT 9736 (Direct Marketing II: Database Marketing and Managing the Creative process) from the elective pool.
2. Deletion of the courses MKT 9782(Search Marketing) and MKT 9783 (Social Media Marketing) from the elective pool.
3. Addition of the new course MKT 9784 Branding and Content Strategy for the Digital Age in place of the deleted MKT 9782 and MKT 9783 to the elective pool.
4. Addition of new course MKT 9786 Generative AI-empowered Marketing Strategy as a new course in the elective pool.

Rationale:

1. Rationale for the deletion of MKT 9726 and MKT 9736: These two courses are not offered on a regular basis. Moreover, the content of these courses is quite dated and is not consistent with the program goals. The department has developed other courses that have better content and are part of the elective pool. Therefore, having these courses in the elective pool is not necessary.
2. Addition of the new course MKT 9784 in lieu of MKT 9782 and MKT 9783: The department is offering a new course MKT 9784 (Branding and Content Strategy for the Digital Age) which is a 3-credit course. This 3-credit course is an amalgamation of MKT 9782 (Search Marketing) MKT 9783 (Social Media Marketing) which were 1.5 credits each. Moreover, the new course MKT 9784 also covers new topics such as the role of AI, ethical and global issues relating to content marketing and brand building apart from other topics. Thus, MKT 9784 is an updated and revamped course focusing on current topics. Additionally, it is felt that from a student perspective, having a 3-credit course will be beneficial from a scheduling point of view rather than having two 1.5 courses covering the same topics. Most students who take one 1.5 credit course need to find another 1.5 credit course to satisfy the credit requirements of the program. This new change obviates that.
3. Addition of the new course MKT 9786: The department is offering a new course MKT 9786 (Generative AI-empowered Marketing Strategy) which is a 3-credit course. This course exposes students to AI applications in various marketing aspects—ranging from applications in marketing models to strategy formulation and execution. Offering this course is timely in this increasingly digital and AI-driven era. With this comprehensive course in AI in Marketing, we can guide future marketers on how to use AI responsibly, maintain consumer trust, and comply with evolving data privacy and protection regulations.

BAR01 - Edit Program - STRATHK-AC - Academic Program Action - Change

Action Detail

Institution

Baruch College

MHC Field of Study Code

-

Action

Changes to the Curriculum

Degree Designation

ADVCERP - Advanced Certificate Post Baccalaureate

NYSED Form

-

Distance Education Application

Attachments #6

[Advanced Certificate in Strategic Thinking.pdf](#)

Program Details

Official Name of Program

Strategic Thinking

CIP Code

52.0201

HEGIS Code

0506.00

Field of Study (IRP)

43602

All:1. The following revisions are proposed for the Certificate in Strategic Thinking in the Zicklin School of Business

Program: Certificate in Strategic Thinking

HEGIS Code: 0506.00

Program Code: 43602

Effective: Spring 2025

From: Certificate in Strategic Thinking			To: Certificate in Strategic Thinking		
Courses in Specialization (<u>9 Credits</u>)			Courses in Specialization (<u>9 Credits</u>)		
Course	Description	Crs	Course	Description	Crs
Required (<u>3.0 credits</u>)			Required (<u>3.0 credits</u>)		
MGT 9600	Strategy and Competitive Advantage	3.0	MGT 9600	Strategy and Competitive Advantage	3.0
Electives (6.0 credits)			Electives (6.0 credits)		

Choose 6 credits from the list below for the Advanced Certificate in Strategic Thinking. If you plan to specialize in one of the concentrations, please ensure that you take the appropriate electives specific to those tracks.			Choose 6 credits from the list below for the Advanced Certificate in Strategic Thinking. If you plan to specialize in one of the concentrations, please ensure that you take the appropriate electives specific to those tracks.		
MGT 9610	Dynamics of Competition, Industry Structure and Corporate Strategy	3	MGT 9610	Dynamics of Competition, Industry Structure and Corporate Strategy	3
			<u>MGT 9612</u>	<u>Corporate Strategy and Growth</u>	<u>3</u>
MGT 9615	Strategy Formulation	3	MGT 9615	Strategy Formulation	3
MGT 9690	Seminar in Strategic Management	3	MGT 9690	Seminar in Strategic Management	3
MGT 9870	International Comparative Management	3	MGT 9870	International Comparative Management	3

Rationale:

The new course MGT 9612 (Corporate Strategy and Growth) was approved by the Zicklin Graduate Curriculum Committee on April 12, 2024. The faculty of the Loomba Department of Management would like to add this new course to the Advanced Certificate in Strategic Thinking which was approved in 2023. The course is a good fit for the certificate's menu of options.

Course

BAR01 - Edit Course - ANT3710 - Course - Change Course Data

Course Description

Institution

Baruch College

Course Title

Anthropology of Violence and Memory

Is this Course Required for a Major?

Yes

Is this course an experimental course?

No

Course Details

Catalog Data

Start Term

2025 Fall Term

Remedial :

NO

Developmental

No

Compensatory

No

Regular

Yes

No

Liberal Arts

Yes

Pathways

No

College Option

No

Requirement Designation

Regular Liberal Arts

Course Attributes

-

Course Offerings

OAA AUR, Baruch College, 2024 / November

Cross Listed Courses

SOC 3710

Subject Area

ANT

Catalog Number

3710

Course Typically Offered

Fall, Spring, Summer

Department(s)

Anthropology and Sociology

Pre-Requisites / Co-Requisites

-

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

BAR01 - Edit Course - BLS3002 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Contemporary Black Literatures

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial No	Developmental No	Compensatory No	Regular Yes
-----------------------	----------------------------	---------------------------	-----------------------

Liberal Arts Yes	Pathways No	College Option No
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Requirement Designation
Regular
Liberal Arts

Course Attributes

Course Offerings

Cross Listed Courses

ENG 3002

Subject Area

BLS

Catalog Number

3002

Course Typically Offered

Fall, Spring, Summer

Department(s)

Black and Latino Studies

Pre-Requisites / Co-Requisites

-

Credits

Credit Hours

Minimum

3

Max

3

Contact Hours

Value

3

BAR01 - New Course - ENG4025 - Course - New Course

Course Description

Institution

Baruch College

Course Title

Data and Writing Toward Social Change

Is this Course Required for a Major?

Yes

Is this Course Part of a Major within your Department?

Yes

Is this course an experimental course?

No

Catalog Data

Start Term

2025 Fall Term

Remedial

No

Developmental

No

Compensatory

No

Regular

Yes

Liberal Arts

Yes

Pathways

No

College Option

No

Requirement Designation

Regular Liberal Arts

Course Attributes

-

Course Offerings

Subject Area

ENG

Catalog Number

4025

Department(s)

English

Pre-Requisites / Co-Requisites: ENG/CMP/LTT 2800 or 2850 or departmental permission.

Credits

Credit Hours

Minimum

3

Max

3

Contact Hours

Value

3

BAR01 - New Course - FIN9777 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Data Science in Finance

Is this Course Required for a Major?
No

Is this Course Part of a Major within your Department?

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial
No

Pathways
No

College Option
No

Liberal Arts
No

Requirement Designation
Graduate Non-Liberal Arts

Course Attributes
-

Course Offerings

Subject Area

FIN

Catalog Number

9777

Department(s)

Economics and Finance

Pre-Requisites / Co-Requisites

STA9708 or FIN9762

Credits

Credit

Hours

minimum

3

Max

Develop

mental

No

Compens

atory

No

Contact

Hours

Value

3

BAR01 - New Course - FIN9877 - Course - New Course

Course Description

Institution
Baruch College

Course Title
AI and Machine Learning in Finance

Is this Course Required for a Major?
No

Is this Course Part of a Major within your Department?
No

Is this course an experimental course?
No

Developmental
No

Compensatory
No

Regular
Yes

Catalog Data

Start Term
2025 Fall Term

Remedial
No

Liberal Arts
No

Pathways
No

College Option
No

Requirement Designation
Graduate Non-Liberal Arts

Course Attributes
-

Course Offerings

Subject Area

FIN

Catalog Number

9877

Department(s)

Economics and Finance

Pre-Requisites / Co-Requisites

FIN9777

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

Max

3

BAR01 - New Course - MKT9784 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Branding and Content Strategy for the Digital Age

Is this Course Required for a Major?
Yes

Is this Course Part of a Major within your Department?
Yes

Is this course an experimental course?
No

Developmental
No

Compensatory
No

Regular
Yes

Catalog Data

Start Term
2025 Fall Term

Remedial
No

Liberal Arts
No

Pathways
No

College Option
No

Requirement Designation
Graduate Non-Liberal Arts

Course Attributes
-

Course Offerings

Subject Area

MKT

Catalog Number

9784

Department(s)

Marketing and International Business

Pre-Requisites / Co-Requisites

None. MKT 9784 is not open to students who have completed MKT 9782 and MKT 9783.

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

BAR01 - New Course - MKT9786 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Generative AI-empowered Marketing Strategy

Is this Course Required for a Major?
No

Is this Course Part of a Major within your Department?
No

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
No	No	No

Requirement Designation
Graduate Non-Liberal Arts

Course Attributes
-

Course Offerings

Subject Area	Catalog Number
MKT	9786

Department(s)
Marketing and International Business

Pre-Requisites / Co-Requisites

-

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

BAR01 - Edit Course - MTH2001 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Pre-Calculus

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	Yes	No

Liberal Arts
Yes

Requirement Designation
CLA_RC_Mathtcl&QuantveReasng

Course Attributes
-

Course Offerings

Cross Listed Courses
-

Subject Area	Catalog Number
MTH	2001

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Prerequisite: MTH 1030 with a grade of C or better; or placement into MTH 2001, MTH 2003, or MTH 2009; or departmental permission.

Not open to students who have completed MTH 2000, 2002T, 2003, 2004, 2005, 2009, 2009T, 2010, 2205, 2206, 2207, 2600, 2610, 2011, 2630, or any mathematics course at the 3000 level or above.

Credits

Credit

Hours

Minimum

3

Max

3

Pathways

Yes

Contact

Hours

Value

4

College

Option

No

BAR01 - New Course - MTH4322 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Computer Science Internship Seminar

Is this Course Required for a Major?
Yes

Is this Course Part of a Major within your Department?
Yes

Is this course an experimental course?
Yes

Catalog Data

Start Term
2025 Spring Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Regular Liberal Arts

Course Attributes
-

Course Offerings

Subject Area	Catalog Number
MTH	4322

Department(s)
Mathematics

Pre-Requisites / Co-Requisites

Prerequisites: (MTH 4299 or MTH 4300) and MTH 4320 and MTH 4330; or Departmental Permission

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

BAR01 - Edit Course - MTH4355 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Operating Systems

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial No	Developmental No	Compensatory No	Regular Yes
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Liberal Arts	Pathways	College Option
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Yes	No	No
-----	----	----

Requirement Designation
Regular Liberal Arts

Course Attributes
-

Course Offerings

Cross Listed Courses
-

Subject Area

MTH

Catalog Number

4355

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Prerequisites: MTH 4300 and MTH 4350

Credits

Credit Hours

Minimum

4

Max

4

Contact Hours

Value

4

BAR01 - New Course - MTH4370 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Software Design

Is this Course Required for a Major?
Yes

Is this Course Part of a Major within your Department?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Regular Liberal Arts

Course Attributes
-

Course Offerings

Subject Area	Catalog Number
MTH	4370

Department(s)

OAA AUR, Baruch College, 2024 / November

Mathematics

Pre-Requisites / Co-Requisites

Prerequisites: MTH 4320; and (MTH 4299 or MTH 4300)

Credits

Credit Hours

Minimum

4

Contact Hours

Value

4

Max

4

BAR01 - New Course - MTH4375 - Course - New Course

Course Description

Institution
Baruch College

Course Title
Applied Data Privacy

Is this Course Required for a Major?
Yes

Is this Course Part of a Major within your Department?
Yes

Is this course an experimental course?
Yes

Catalog Data

Start Term
2025 Spring Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts
Yes

Requirement Designation
Regular Liberal Arts

Course Attributes
-

Course Offerings

Subject Area	Catalog Number
MTH	4375

Department(s)

OAA AUR, Baruch College, 2024 / November

Mathematics

Pre-Requisites / Co-Requisites

Prerequisites: (MTH 3300 or CIS 2300); and (MTH 3120 or MTH 4120); and (MTH 3150 or MTH 4000); or Departmental Permission

Credits

**Credit
Hours**

Minimum

4

Max

4

Pathways

No

**Contact
Hours**

Value

4

**College
Option**

No

BAR01 - Edit Course - MTH9814 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Financial Markets and Securities

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9814

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

-

BAR01 - Edit Course - MTH9815 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Software Engineering in Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

.

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9815

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - MTH9816 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Fundamentals of Trading

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9816

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Max

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - MTH9821 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Numerical Methods for Finance I

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9821

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Max

3

Contact Hours

Value

3

BAR01 - Edit Course - MTH9831 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Probability and Stochastic Processes for Finance I

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

.

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9831

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

-

BAR01 - Edit Course - MTH9841 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Statistics for Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial No	Developmental No	Compensatory No	Regular Yes
-----------------------	----------------------------	---------------------------	-----------------------

Liberal Arts Yes	Pathways No	College Option No
----------------------------	-----------------------	-----------------------------

Max
3

BAR01 - Edit Course - MTH9842 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Optimization Techniques in Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial No	Developmental No	Compensatory No	Regular Yes
-----------------------	----------------------------	---------------------------	-----------------------

Liberal Arts Yes	Pathways No	College Option No
----------------------------	-----------------------	-----------------------------

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9842

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

-

BAR01 - Edit Course - MTH9855 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Asset Allocation and Portfolio Management

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial No	Developmental No	Compensatory No	Regular Yes
Liberal Arts Yes	Pathways No	College Option No	

OAA AUR, Baruch College, 2024 / November

Requirement Designation

Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9855

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Max

3

Contact Hours

Value

3

BAR01 - Edit Course - MTH9865 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Commodities and Futures Trading

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

.

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9865

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Max

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - MTH9866 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Modeling and Market Making in Foreign Exchange

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9866

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Max

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - MTH9867 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Time Series Analysis and Algorithmic Trading

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9867

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

BAR01 - Edit Course - MTH9871 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Advanced Computational Methods in Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9871

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

.

BAR01 - Edit Course - MTH9873 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Interest Rate Models and Interest Rate Derivatives

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes
-

Course Offerings

Cross Listed Courses
-

Subject Area	Catalog Number
MTH	9873

OAA AUR, Baruch College, 2024 / November

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

BAR01 - Edit Course - MTH9875 - Course - Change Course Data

Course Description

Institution

Baruch College

Course Title

The Volatility Surface

Is this Course Required for a Major?

Yes

Is this course an experimental course?

No

.

Catalog Data

Start Term

2025 Fall Term

Remedial

No

Developmental

No

Compensatory

No

Regular

Yes

Liberal Arts

Yes

Requirement Designation

Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9875

OAA AUR, Baruch College, 2024 / November

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Max

3

Pathways

No

Contact Hours

Value

3

BAR01 - Edit Course - MTH9877 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Interest Rate and Credit Models

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Course Details

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9877

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Max

3

Contact Hours

Value

3

BAR01 - Edit Course - MTH9878 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Interest Rate Models

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

OAA AUR, Baruch College, 2024 / November

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	Catalog Number
MTH	9878

Course Typically Offered
Fall, Spring, Summer

Department(s)
Mathematics

Pre-Requisites / Co-Requisites
Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum	Max
3	3

Contact Hours

Value
3

BAR01 - Edit Course - MTH9879 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Market Microstructure Models

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

OAA AUR, Baruch College, 2024 / November

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area	Catalog Number
MTH	9879

Course Typically Offered
Fall, Spring, Summer

Department(s)
Mathematics

Pre-Requisites / Co-Requisites
Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum	Max
3	3

Contact Hours

Value
3

BAR01 - Edit Course - MTH9881 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Current Topics in Mathematical Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes
-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9881

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

3

Contact Hours

Value

3

Outcome

BAR01 - Edit Course - MTH9886 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Emerging Markets and Inflation Modeling

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9886

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - MTH9887 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Blockchain Technologies in Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9887

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

-

BAR01 - Edit Course - MTH9893 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Time Series Analysis

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9893

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

.

BAR01 - Edit Course - MTH9894 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Algorithmic Trading

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9894

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Max

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - MTH9896 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Behavioral Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9896

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

3

.

BAR01 - Edit Course - MTH9897 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Systematic Trading

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

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Catalog Data

Start Term
2025 Fall Term

Remedial No	Developmental No	Compensatory No	Regular Yes
-----------------------	----------------------------	---------------------------	-----------------------

Liberal Arts Yes	Pathways No	College Option No
----------------------------	-----------------------	-----------------------------

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9897

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Max

1.5

Contact Hours

Value

1.5

-

BAR01 - Edit Course - MTH9898 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Data Science in Finance I: Big Data in Finance

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9898

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - MTH9899 - Course - Change Course Data

Course Description

Institution
Baruch College

Course Title
Data Science in Finance II: Machine Learning

Is this Course Required for a Major?
Yes

Is this course an experimental course?
No

Catalog Data

Start Term
2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Graduate Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses

-

Subject Area

MTH

Catalog Number

9899

Course Typically Offered

Fall, Spring, Summer

Department(s)

Mathematics

Pre-Requisites / Co-Requisites

Open to MS in Financial Engineering students; or by permission of MFE program director and WSAS Graduate Studies Office

Credits

Credit Hours

Minimum

1.5

Contact Hours

Value

1.5

BAR01 - Edit Course - SOC3126 - Course - Change Course Data

Course Description

Institution

Baruch College

Course Title

Citizenship, Race, and Immigration

Is this Course Required for a Major?

Yes

Is this course an experimental course?

No

Catalog Data

Start Term

2025 Fall Term

Remedial	Developmental	Compensatory	Regular
No	No	No	Yes

Liberal Arts	Pathways	College Option
Yes	No	No

Requirement Designation
Regular Liberal Arts

Course Attributes

-

Course Offerings

Cross Listed Courses
ANT 3126

Subject Area	Catalog Number
SOC	3126

Course Typically Offered
Fall, Spring, Summer

Department(s)
Anthropology and Sociology

Pre-Requisites / Co-Requisites
Prerequisites: ANT 1001 or SOC 1005

Credits

Credit Hours

Minimum	Max
3	3

Contact Hours

Value
3