

Finance and Business Administration, MSFMBA

Overview

Northeastern University's D'Amore-McKim School of Business prepares resilient finance leaders to weather a changing business world. The Full-Time MS in Finance/ MBA (https://damore-mckim.northeastern.edu/programs/full-time-ms-finance-mba/?utm_source=neu-course-catalog&utm_medium=referral&utm_campaign=ftmsfmba-mofu) combined-degree program integrates business knowledge with a deep understanding of finance, preparing students to be the leaders that today's business world demands.

INTEGRATING CLASSROOM AND PROFESSIONAL EXPERIENCES

Learning by doing is a hallmark of a Northeastern MBA. Students apply their knowledge to actual business challenges through experience-fueled electives and class projects. Students will gain invaluable experience at the intersection of business and finance through a corporate residency, translating ideas into action for 3, 6, or up to 12 months. Far removed from the typical internship, students work full-time at a leading firm or startup in their field and have significant responsibilities as they work to deliver on organizational goals.

DEVELOP DEEP FINANCE EXPERTISE

Students pursue a major in finance laser-focused on financial theory and practice. Students gain advanced financial skills and high-level knowledge to drive financial strategy, increase shareholder value, support flexible operating models, minimize risk, and maximize revenue through their finance courses.

Students can gain valuable experience performing equity research and portfolio management in a student-managed mutual fund, the 360 Huntington Fund. By participating in the Fund, students may earn 1 credit per semester with the option to fulfill a 3-semester-hour elective course requirement by participating for three terms.

SELECT A CONCENTRATION

Students specialize their degree by selecting a concentration. Our faculty recommend the analytics concentration. Or, students may choose another in-demand business concentration or add expertise in another professional area by choosing an interdisciplinary MBA x concentration offered through partnerships with other Northeastern colleges.

Program Requirements

Business Administration Core Requirements

Code	Title	Hours
Marketing		
MKTG 6318	Customer Value and the Enterprise	2
Strategic Decision Making		
ACCT 6318	Analyzing Accounting Data for Strategic Decision Making	2
STRT 6318	Strategic Planning for the Future	2
Management		
FINA 6318	Financial Management	2
HRMG 6318	Managing the Organization	2
SCHM 6318	Managing Operations and the Supply Chain	2
Innovation and Social Impact		
BUSN 6363	Social Impact of Business	2
ENTR 6318	Innovating and Creating Futures	2

Career Management

BUSN 6200	Career Management	0
BUSN 6950	MBA Skills Workshop	0

Corporate Residency

BUSN 6964	Co-op Work Experience	0
Three-month, six-month, or two six-month corporate residency placement options		

Finance Major Requirements

Code	Title	Hours
Required		
FINA 6202	Analysis of Financial Institutions and Markets	3
FINA 6203	Investment Analysis	3
FINA 6204	International Financial Management	3
FINA 6205	Financial Strategy	3
FINA 6206	Finance Seminar	3
FINA 6320	Advanced Financial Management	3
Electives		
In consultation with advisor, complete 6 graduate-level semester hours of FINA courses for which prerequisites have been met.		6

Concentration Options

Complete one of the following concentrations:

- Analytics (p. 2) (*Recommended*)
- Brand Management (p. 2)
- Business Management for Healthcare (p. 2)
- Corporate Innovation (p. 2)
- Entrepreneurship (p. 2)
- International Business (p. 3)
- Leading People and Organizations (p. 3)
- Marketing (p. 3)
- Marketing Analytics (p. 3)
- Operations and Supply Chain Management (p. 3)
- Sustainability and Business (p. 3)
- MBA x Artificial Intelligence (p. 4)
- MBA x Bioinformatics (p. 4)
- MBA x Biotechnology Industry (p. 4)
- MBA x Cybersecurity (p. 4)
- MBA x Data Science (p. 4)
- MBA x Data Visualization (p. 4)
- MBA x Experience Design (p. 4)
- MBA x Game Design and Analytics (p. 4)
- MBA x Information Ethics (p. 4)
- MBA x Media Innovation and Advocacy (p. 4)
- MBA x Public Health
- MBA x Software Development (p. 5)

CONCENTRATION IN ANALYTICS

Code	Title	Hours
Required		
BUSN 6365	Business Analytics	3
Electives		
In consultation with advisor, complete 9 graduate-level semester hours for which prerequisites have been met. Choose from the following:		9
CS 5100	Foundations of Artificial Intelligence	
CS 5200	Database Management Systems	
ECON 5140	Applied Econometrics	
IE 6600	Computation and Visualization for Analytics	
INSH 5302	Information Design and Visual Analytics	
MISM 6205 or MISM 6203	Data Wrangling for Business Business Analytics Methods	
MISM 6210	Information Visuals and Dashboards for Business	
MISM 6212	Data Mining and Machine Learning for Business	
MISM 6213	Business Information Design, Quality, and Strategy	
MISM 6214	Business Analytics Capstone	
MKTG 6230	Driving Marketing Performance: Measure, Analyze, Profit	
MKTG 6234	Marketing Analytics	
SCHM 6215	Supply Chain Analytics	
STRT 6210	Workforce Metrics and Analytics	

CONCENTRATION IN BRAND MANAGEMENT

Code	Title	Hours
Required		
MKTG 6223	Brand and Advertising Management	3
MKTG 6320	Advanced Marketing Management	3
Electives		
In consultation with advisor, complete 6 graduate-level semester hours for which prerequisites have been met. Choose from the following:		6
MKTG 6210	Marketing Research	
MKTG 6214	New Product Development	
MKTG 6218	Managing Customer Engagement in a Service World	
MKTG 6226	Consumer Behavior	
MKTG 6230	Driving Marketing Performance: Measure, Analyze, Profit	

CONCENTRATION IN BUSINESS MANAGEMENT FOR HEALTHCARE

Code	Title	Hours
Required		
FINA 6220 or SCHM 6223	Healthcare Finance Managing Healthcare Supply Chain Operations	3
HINF 5105	The American Healthcare System	3
HRMG 6220	Health Organization Management	3
STRT 6220	Strategic Management for Healthcare Organizations	3
Optional Electives		

Note: Electives are not required; the following course(s) are suggested beyond the concentration: 3-9

ENTR 6214	Social Enterprise	
FINA 6220	Healthcare Finance	
HINF 5101	Introduction to Health Informatics and Health Information Systems	
HINF 6202	Business of Healthcare Informatics	
HINF 6205	Creation and Application of Medical Knowledge	
MGMT 6214	Negotiations	
MKTG 6218	Managing Customer Engagement in a Service World	
MKTG 6226	Consumer Behavior	
PHTH 5232	Evaluating Healthcare Quality	
PHTH 5234	Economic Perspectives on Health Policy	
SCHM 6223	Managing Healthcare Supply Chain Operations	

CONCENTRATION IN CORPORATE INNOVATION

Code	Title	Hours
Required		
ENTR 6320	Innovation, Entrepreneurship, and Dynamic Competition	3
Electives		
In consultation with advisor, complete 9 graduate-level semester hours for which prerequisites have been met. Choose from the following:		9
ARTG 5610	Design Systems	
ENTR 6217	Lean Innovation	
ENTR 6222	Competing in Dynamic, Innovation-Driven Markets	
ENTR 6224	Intellectual Property and Other Legal Aspects of Business and Innovation	
ENTR 6225	Acquisitions, Alliances, and Growth	
GE 5100	Product Development for Engineers	
HRMG 6212	Creating an Innovative Organization	
HRMG 6280	The Human Side of Innovation	
MGMT 6280	Innovation for Next-Generation Products and Systems	
MGSC 6281	Service Innovation and Management	
TECE 6340	The Technical Entrepreneur as Leader	

CONCENTRATION IN ENTREPRENEURSHIP

Code	Title	Hours
Required		
ENTR 6320	Innovation, Entrepreneurship, and Dynamic Competition	3
Electives		
In consultation with advisor, complete 9 graduate-level semester hours for which prerequisites have been met. Choose from the following:		9
ENTR 6210	Managing Operations in Early Stage Ventures	
ENTR 6212	Business Planning for New Ventures	
ENTR 6214	Social Enterprise	
ENTR 6218	Business Model Design and Innovation	

ENTR 6219	Financing Ventures from Early Stage to Exit
ENTR 6220	Family Business Leadership and Governance
ENTR 6230	Platform Innovation
FINA 6260	Entrepreneurial Finance and Venture Capital
GE 5030	Iterative Product Prototyping for Engineers
MKTG 6214	New Product Development
TECE 6222	Emerging and Disruptive Technologies
TECE 6230	Entrepreneurial Marketing and Selling
TECE 6250	Lean Design and Development
TECE 6300	Managing a Technology-Based Business

CONCENTRATION IN INTERNATIONAL BUSINESS

Code	Title	Hours
Required		
INTB 6200	Managing the Global Enterprise	3
Electives		
In consultation with advisor, complete 9 graduate-level semester hours for which prerequisites have been met. Choose from the following:		9
FINA 6204	International Financial Management	
INTB 6212	Cultural Aspects of International Business	
INTB 6226	Becoming a Global Leader	
INTB 6230	International Field Study	
INTB 6238	Global Project	
MKTG 6212	International Marketing	

CONCENTRATION IN LEADING PEOPLE AND ORGANIZATIONS

Code	Title	Hours
In consultation with advisor, complete 12 graduate-level semester hours for which prerequisites have been met. Choose from the following:		12
HRMG 6212	Creating an Innovative Organization	
HRMG 6218	Great Companies	
HRMG 6221	Power and Influence	
HRMG 6223	Global Talent Management	
INTB 6226	Becoming a Global Leader	
MGMT 6214	Negotiations	
STRT 6210	Workforce Metrics and Analytics	

Note: Only one course outside HRMG and MGMT may be taken to fulfill the concentration.

CONCENTRATION IN MARKETING

Code	Title	Hours
Required		
MKTG 6320	Advanced Marketing Management (Advanced Marketing Management)	3
Electives		
In consultation with advisor, complete 9 graduate-level semester hours for which prerequisites have been met. Choose from the following:		9
MKTG 6210	Marketing Research	
MKTG 6212	International Marketing	

MKTG 6214	New Product Development
MKTG 6216	Market Focused Strategy
MKTG 6218	Managing Customer Engagement in a Service World
MKTG 6222	Digital Marketing
MKTG 6223	Brand and Advertising Management
MKTG 6224	B2B and Strategic Sales
MKTG 6226	Consumer Behavior
MKTG 6230	Driving Marketing Performance: Measure, Analyze, Profit
MKTG 6234	Marketing Analytics

CONCENTRATION IN MARKETING ANALYTICS

Code	Title	Hours
Required		
MKTG 6234	Marketing Analytics	3
MKTG 6320	Advanced Marketing Management (Advanced Marketing Management)	3

Electives

In consultation with advisor, complete 6 graduate-level semester hours for which prerequisites have been met. Choose from the following:

MKTG 6210	Marketing Research
MKTG 6216	Market Focused Strategy
MKTG 6222	Digital Marketing
MKTG 6230	Driving Marketing Performance: Measure, Analyze, Profit

CONCENTRATION IN OPERATIONS AND SUPPLY CHAIN MANAGEMENT

Code	Title	Hours
Required		
SCHM 6213	Global Supply Chain Strategy	3
Electives		
In consultation with advisor, complete 9 graduate-level semester hours for which prerequisites have been met. Choose from the following:		9
SCHM 6211	Logistics and Transportation Management	
SCHM 6214	Sourcing and Procurement	
SCHM 6215	Supply Chain Analytics	
SCHM 6221	Sustainability and Supply Chain Management	
SCHM 6223	Managing Healthcare Supply Chain Operations	
SCHM 6224	Demand Planning and Forecasting	

CONCENTRATION IN SUSTAINABILITY AND BUSINESS

Code	Title	Hours
In consultation with advisor, complete 12 graduate-level semester hours for which prerequisites have been met. Choose from the following:		12
ENTR 6214	Social Enterprise	
ENTR 6216	Global Social Entrepreneurship and Innovation	
INTB 6217	Creating Sustainable Competitive Advantage through Global Innovation	
MECN 6200	Global Competition and Market Dominance	

MECN 6205	Sustainability and the Economics of Markets
MGMT 6225	Sustainability and Leadership
MGMT 6226	Sustainability and the Business Environment
SCHM 6221	Sustainability and Supply Chain Management

CONCENTRATION IN MBA X ARTIFICIAL INTELLIGENCE

Code	Title	Hours
CS 5100	Foundations of Artificial Intelligence	4
CS 6120	Natural Language Processing	4
CS 6140	Machine Learning	4

CONCENTRATION IN MBA X BIOINFORMATICS

Code	Title	Hours
BINF 6200	Bioinformatics Programming	4
BINF 6308	Bioinformatics Computational Methods 1	4
BINF 6309	Bioinformatics Computational Methods 2	4

CONCENTRATION IN MBA X BIOTECHNOLOGY INDUSTRY

Code	Title	Hours
BIOT 5120	Foundations in Biotechnology	3
BIOT 5400	Scientific Information Management for Biotechnology Managers	3
BIOT 5631	Cell Culture Processes for Biopharmaceutical Production	3
BIOT 6214	Experimental Design and Biostatistics	2
Complete 1 additional semester hour of BUSN coursework.		1

CONCENTRATION IN MBA X CYBERSECURITY

Code	Title	Hours
CY 5770	Software Vulnerabilities and Security	4
CY 6750	Cryptography and Communications Security	4
CS 6760	Privacy, Security, and Usability	4

CONCENTRATION IN MBA X DATA SCIENCE

Code	Title	Hours
CS 5200	Database Management Systems	4
CS 6140	Machine Learning	4
CS 6220	Data Mining Techniques	4

CONCENTRATION IN MBA X DATA VISUALIZATION

Code	Title	Hours
Required		
ARTG 5150	Information Visualization Principles and Practices	3
ARTG 5151	Information Design Critique Seminar	1
ARTG 5330	Visualization Technologies 1: Fundamentals	4
Electives		
In consultation with advisor, complete 4 graduate-level semester hours for which prerequisites have been met. Choose from the following:		4
ARTG 5310	Visual Cognition	

ARTG 6110	Information Design Theory and Critical Thinking
ARTG 6330	Information Design Mapping Strategies

CONCENTRATION IN MBA X EXPERIENCE DESIGN

Code	Title	Hours
Required		
ARTG 5610	Design Systems	4
ARTG 6310	Design for Behavior and Experience	4
Electives		
In consultation with advisor, complete 4 graduate-level semester hours for which prerequisites have been met. Choose from the following:		4
ARTG 5600	Experience Design Studio 1: Principles	
ARTG 5620	Notational Systems for Experience	
ARTG 5640	Prototyping for Experience Design	

CONCENTRATION IN MBA X GAME DESIGN AND ANALYTICS

Code	Title	Hours
Required		
GSND 5110	Game Design and Analysis	4
GSND 6350	Data-Driven Player Modeling	4
Electives		
In consultation with advisor, complete 4 graduate-level semester hours for which prerequisites have been met. Choose from the following:		4
GSND 6320	Psychology of Play	
GSND 6330	Player Experience	
GSND 6340	Biometrics for Design	
GSND 6350	Data-Driven Player Modeling	

CONCENTRATION IN MBA X INFORMATION ETHICS

Code	Title	Hours
In consultation with advisor, complete 8 graduate-level semester hours for which prerequisites have been met. Choose from the following:		8
CY 5240	Cyberlaw: Privacy, Ethics, and Digital Rights	
PHIL 5005	Information Ethics	
PHIL 5010	AI Ethics	
In consultation with advisor, complete 4 graduate-level semester hours for which prerequisites have been met. Choose from the following:		4
PHIL 5001	Global Justice	
PHIL 5005	Information Ethics	
PHIL 5010	AI Ethics	

CONCENTRATION IN MBA X MEDIA INNOVATION AND ADVOCACY

Code	Title	Hours
Required		
JRNL 5400	Media and Advocacy in Theory and Practice	4
JRNL 6340	Fundamentals of Digital Journalism	4
Electives		
In consultation with advisor, complete 4 graduate-level semester hours for which prerequisites have been met. Choose from the following:		4

ARTG 5150 and ARTG 5151	Information Visualization Principles and Practices and Information Design Critique Seminar	
JRNL 5311	Design for Storytelling	
JRNL 6305	Topics	
JRNL 6341	Telling Your Story with Data	

CONCENTRATION IN MBA X PUBLIC HEALTH

Code	Title	Hours
PHTH 5212	Public Health Administration and Policy	3
PHTH 5214	Environmental Health	3
PHTH 5120	Race, Ethnicity, and Health in the United States	3
PHTH 6208	Urban Community Health Assessment	3

CONCENTRATION IN MBA X SOFTWARE DEVELOPMENT

Code	Title	Hours
CS 5500	Foundations of Software Engineering	4
CS 5520	Mobile Application Development	4
CS 5610	Web Development	4

ELECTIVES

Code	Title	Hours
Experiential Requirement		
In consultation with advisor, complete 3 semester hours from the following:		3
BUSN 6351	Experiential Education	
BUSN 6945	Washington Campus Seminar	
INTB 6230	International Field Study	
INTB 6238	Global Project	
FINA 6360	Fund Management for Analysts	
FINA 6361	Fund Management for Managers	

Open Electives

In consultation with advisor, complete 6 graduate-level semester hours for which prerequisites have been met. Choose from the following subject codes:	6
ACCT, BUSN, ENTR, FINA, HRMG, INTB, MECN, MGMT, MKTG, SCHM, STRT, and TECE	

Interdisciplinary Requirement

In consultation with advisor, complete 6 graduate-level semester hours, for which the requirements have been met, offered in partnership with other Northeastern University colleges. Choose from the following:	6	
AACE 6000	Arts and Culture Organizational Leadership	
ARTG 5150	Information Visualization Principles and Practices	
ARTG 5151	Information Design Critique Seminar	
ARTG 5330	Visualization Technologies 1: Fundamentals	
ARTG 5600	Experience Design Studio 1: Principles	
ARTG 5610	Design Systems	
ARTG 5620	Notational Systems for Experience	
ARTG 5640	Prototyping for Experience Design	
ARTG 6110	Information Design Theory and Critical Thinking	
ARTG 6310	Design for Behavior and Experience	

ARTG 6330	Information Design Mapping Strategies	
BINF 6200	Bioinformatics Programming	
BINF 6308	Bioinformatics Computational Methods 1	
BINF 6309	Bioinformatics Computational Methods 2	
BIOT 5120	Foundations in Biotechnology	
BIOT 5219	The Biotechnology Enterprise	
BIOT 5400	Scientific Information Management for Biotechnology Managers	
BIOT 5631	Cell Culture Processes for Biopharmaceutical Production	
BIOT 6214	Experimental Design and Biostatistics	
CS 5100	Foundations of Artificial Intelligence	
CS 5200	Database Management Systems	
CY 5240	Cyberlaw: Privacy, Ethics, and Digital Rights	
DS 5110	Introduction to Data Management and Processing	
ECON 5140	Applied Econometrics	
GE 5030	Iterative Product Prototyping for Engineers	
GE 5100	Product Development for Engineers	
GSND 5110	Game Design and Analysis	
GSND 6320	Psychology of Play	
GSND 6340	Biometrics for Design	
GSND 6350	Data-Driven Player Modeling	
HINF 5101	Introduction to Health Informatics and Health Information Systems	
HINF 5105	The American Healthcare System	
HINF 6202	Business of Healthcare Informatics	
HINF 6205	Creation and Application of Medical Knowledge	
IE 5640	Data Mining for Engineering Applications	
IE 6600	Computation and Visualization for Analytics	
IE 7374	Special Topics in Industrial Engineering	
INSH 5301	Introduction to Computational Statistics	
INSH 5302	Information Design and Visual Analytics	
JRNL 5311	Design for Storytelling	
JRNL 5400	Media and Advocacy in Theory and Practice	
JRNL 6305	Topics	
JRNL 6340	Fundamentals of Digital Journalism	
JRNL 6341	Telling Your Story with Data	
ME 5645	Environmental Issues in Manufacturing and Product Use	
PHIL 5001	Global Justice	
PHIL 5005	Information Ethics	
PHIL 5010	AI Ethics	
PHTH 5232	Evaluating Healthcare Quality	

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PTHH 5234 Economic Perspectives on Health
Policy

Program Credit/GPA Requirements

67 semester hours required

Minimum 3.000 GPA required