Quantitative Finance, MSF (Boston)

Northeastern University D'Amore-McKim School of Business's Full-Time MS in Quantitative Finance is designed to prepare students to thrive in a rapidly changing finance industry transformed by technology and innovation.

Cultivate Advanced Finance and Fintech Skills

This quantitative finance curriculum emphasizes the intersection of finance and data analytics. Coursework integrates economics, mathematics, and computer science with financial theory and application. Students interested in pursuing the Chartered Financial Analyst designation will find CFA preparations integrated into their coursework.

Integrate Classroom and Professional Experiences

Students will have opportunities to obtain real-world experiences that help them gain a fresh perspective while using relevant skills.Through an optional graduate co-op, students translate ideas into action as they complete a project for an organization.

Students can apply to participate in a student-managed mutual fund, The 360 Huntington Fund (https://damore-mckim.northeastern.edu/programs/360-huntington-fund/?utm_medium=website&utm_source=catalog&utm_campaign=msqf), where they can gain experience performing equity research and portfolio management. By participating in the Fund, students may earn 1 semester hour per semester with the option to fulfill a 3-semester-hour elective course requirement by participating for three terms.

Complete the Degree in as Few as 12 Months

In the first two semesters, students complete six required courses, one elective, and an optional career development program developed by the Graduate Career Center advisors. They may complete the remaining three elective courses over the summer term or extend their studies and complete their electives in the fall term.

Students enroll in this 30-semester-hour master's degree program for full-time study.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

Code	Title	Hours
FINA 6203	Investment Analysis	3
FINA 6331	Corporate Finance	3
FINA 6332	Fundamentals of Financial Math and Financial Markets	3
FINA 6333	Data Analytics in Finance	3
FINA 6334	Empirical Methods in Finance	3
FINA 6335	Derivatives and Risk Analytics	3

Electives

Code	Title	Hours
In consultation with advisor, complete 12 graduate-level semester hours from the following for which prerequisites have been met:		12
CS 5100	Foundations of Artificial Intelligence	
CS 5200	Database Management Systems	
ECON 5140	Applied Econometrics	
FINA 6204	International Financial Management	
FINA 6207	Financial Modeling	
FINA 6214	Mergers and Acquisitions	
FINA 6215	Business Turnarounds	
FINA 6216	Valuation and Value Creation	
FINA 6217	Real Estate Finance and Investment	
INTB 6230	Global Field Study	
FINA 6336	Fixed-Income Securities and Derivatives	
FINA 6337	Computational Methods in Finance	
FINA 6338	Alternative Investments	
FINA 6339	Quantitative Portfolio Management	
FINA 6340	Financial Markets and Banking in the Postcrisis Era	

FINA 6342	Financial Data and Fintech
FINA 6360	Fund Management for Analysts
FINA 6361	Fund Management for Managers

Optional Career Management Course

Code	Title	Hours
BUSN 6200	Career Management	0

Program Credit/GPA Requirements

30 total semester hours required
Minimum 3.000 GPA required