



MS in Quantitative Finance Full-time Curriculum

To keep pace with fintech innovations and new regulations, you must stay sharp—mastering data and technological skills.

D'Amore-McKim's STEM-designated Full-Time MS in Quantitative Finance emphasizes the intersection of finance and data analytics. Courses integrate economics, mathematics, and computer science with financial theory and application to prepare you to thrive in a rapidly changing finance industry transformed by technology and innovation. If you want to pursue the Chartered Financial Analyst designation, your coursework will help you prepare for the exams.

Program Overview

▶ 12 MONTHS
▶ 16 MONTHS			SUMMER VACATION OR GRADUATE CO-OP*
FALL	SPRING	SUMMER		FALL
<ul style="list-style-type: none"> • FINA 6203: Investment Analysis • FINA 6331: Corporate Finance • FINA 6332: Fundamentals of Financial Math and Financial Markets • BUSN 6200: Career Management 	<ul style="list-style-type: none"> • FINA 6333: Data Analytics in Finance • FINA 6334: Empirical Methods in Finance • FINA6335: Derivatives and Risk Analytics • Elective 	<ul style="list-style-type: none"> • Elective • Elective • Elective 		<ul style="list-style-type: none"> • Elective • Elective • Elective

Sample of Elective Course Options

OFFERED AT D'AMORE-MCKIM

- FINA 6342: Financial Data and Fintech
- FINA 6217: Real Estate Finance and Investment
- FINA 6292: Advanced Topics in Finance: Data Management with Finance Applications
- 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 Post Crisis Era

OFFERED OUTSIDE OF D'AMORE-MCKIM

- CS 5100: Foundations of Artificial Intelligence
- CS 5200: Database Management Systems
- ECON 5140: Applied Econometrics

*Graduate co-op is typically 8-12 weeks, timing may vary, but typically begins in June.

The curriculum is subject to change by D'Amore-McKim faculty. Not all electives may be offered every term. You are encouraged to work with your academic advisor when planning your schedule.

International students will be eligible to apply for up to 12 months of Optional Practical Training followed by an additional 24 months on an OPT STEM Extension, for a total of up to 36 months of temporary employment.