At the intersection of numbers and values, we challenge you to do more—to look beyond the bottom line and make thoughtful choices that benefit business and society.

This technical finance degree allows you to fuse your mathematical expertise with strategic business decision-making acumen.
Master of Science in Finance—Quantitative Curriculum

Preprogram Foundations Requirements: Introduction to Finance and Introduction to Accounting. Online workshops begin in July. This work is in addition to required credits and does not affect GPA.

Core courses include:
- Options & Futures
- Derivative Securities
- Advanced Derivative Securities
- Investment Theory
- Data Analysis for Investments
- Stochastic Foundations for Finance
- Data Analysis
- Forecasting & Risk Analysis
- Mathematical Finance
- Fixed Income Securities
- Fixed Income Derivatives
- Introduction to Python & Data Science
- Quantitative Risk Management
- Professional Business Communication

34.5 total core credits

Electives include but are not limited to:
- Machine Learning Tools for Prediction of Business Outcomes
- Database Design & SQL
- Big Data & Cloud Computing
- Introduction to Artificial Intelligence
- Data Mining
- Data Structures & Algorithms

4.5 elective credits

Required experiential course:
- Internship
- Business & Application
- Applied Problem Solving for Organizations
- CFAR Practicum

Total credits: 39 (34.5 core, 4.5 electives)