Master of Science in Finance

36 semester credit hours minimum

Degree Requirements

At least 36 semester credit hours of management coursework beyond prerequisite courses is required, including 18 semester credit hours of basic business core courses and 18 semester credit hours of graduate finance courses. The MS is Finance is designed for students with or without previous educational background in finance. Many students will select the Financial Management option, which allows them to design a program to their needs.

For students wanting a more focused program, seven concentrations are available: Investment Management, Financial Analyst, Financial Risk Management, Energy Risk Management, Management of Financial Institutions, Real Estate, or Financial Information Management. The Investment Management concentration is designed for students interested in pursuing an investment career and completing the Chartered Financial Analyst (CFA) examinations. The Financial Analyst concentration is designed for students interested in corporate finance, investment banking, venture capital, private equity, or corporate restructuring and turnarounds. The Financial Risk Management concentration is designed for students with the quantitative ability to pursue a career applying quantitative methods to risk management problems and prepares students for the Financial Risk Manager (FRM) examinations. The Energy Risk Management concentration is designed for students with the quantitative ability to pursue a career applying quantitative methods to energy risk management problems and prepares students for the Energy Risk Manager (ERM) examinations. The Management of Financial Institutions concentration prepares students for careers in banking or other financial institutions. The Real Estate concentration prepares students for various types of careers in the real estate industry. The Financial Information Management concentration prepares students to apply information technology to financial analysis, investment management and trading. Because these concentrations have been designed to prepare students for certain certifications, students are recommended to focus only on the coursework within a particular concentration in order to prepare for its associated certification.

Students must maintain a 3.0 grade point average in both core courses and in aggregate courses to qualify for the MS degree.

Prerequisites

Calculus and basic statistics are required as prerequisites. Candidates that have not taken equivalent courses will need to take OPRE 6303 to meet the calculus requirement and OPRE 6301 to complete the basic statistics requirement.
Course Requirements

Basic Core Courses: 18 semester credit hours

All students enrolling in the Master of Science in Finance program must complete the following Basic Business Core courses, or their equivalents. Please see the catalog for further prerequisite information.

- **ACCT 6305** Accounting for Managers
  - or **ACCT 6201** Introduction to Financial Accounting and **ACCT 6202** Introduction to Managerial Accounting
- **MECO 6303** Business Economics
- **FIN 6301** Financial Management
- **FIN 6306** Quantitative Methods in Finance
- **FIN 6310** Investment Management
- **FIN 6350** Advanced Financial Management

Financial Management Option: 18 semester credit hours

Students must complete six courses; of which at least three must come from category B. Students may do an internship, **FIN 6V98**, as part of this option.

Category A: **ACCT 6330**, **ACCT 6332**, **ACCT 6344**, **MECO 6312**, **MECO 6315**, **ECON 6305**, **ECON 6306**, **OPRE 6335**, **OPRE 7310**, **MIS 6320**, **MIS 6324**, **MIS 6344**. Note: Either **MECO 6312** or **ECON 6306** can be counted as they are substitutes.


Concentrations: 18 semester credit hours

**Investment Management (CFA) Concentration - recommended coursework:**

- **ACCT 6344** Financial Statement Analysis
- **FIN 6308** Regulation of Business and Financial Markets
- **FIN 6311** Valuation Models and Practices
- **FIN 6314** Fixed Income Securities

FIN 6325 Macroeconomics and Financial Markets
FIN 6330 Behavioral Finance
FIN 6360 Options and Futures Markets
FIN 6364 Advanced Investment Management
FIN 6370 The Theory of Finance and Its Applications
FIN 6380 Global Fund Management

Financial Analyst Concentration - recommended coursework:

ACCT 6330 Intermediate Financial Accounting I
ACCT 6332 Intermediate Financial Accounting II
FIN 6308 Regulation of Business and Financial Markets
FIN 6311 Valuation Models and Practices
FIN 6316 Private Equity Finance
FIN 6352 Financial Modeling
FIN 6355 Corporate Finance and Policy
FIN 6356 Mergers and Acquisitions
FIN 6357 Corporate Restructuring and Turnarounds
FIN 6366 International Financial Management
MECO 6352 Financial Negotiation and Dispute Resolution

Financial Risk Management Concentration - recommended coursework:

FIN 6314 Fixed Income Securities
FIN 6360 Options and Futures Markets
OPRE 7310 Probability and Stochastic Processes
MECO 6312 Applied Econometrics and Times Series Analysis
or ECON 6306 Applied Econometrics
FIN 6370 The Theory of Finance and Its Applications
FIN 6381 Introductory Mathematical Finance
OPRE 6335 Risk and Decision Analysis
FIN 6382 Numerical Methods in Finance
FIN 6383 Financial Risk Management
Energy Risk Management Concentration - recommended coursework:

- **OPRE 6335** Risk and Decision Analysis
- **MECO 6318** Energy Economics
- **FIN 6335** Energy Finance
- **FIN 6341** Energy Risk Management
- **FIN 6360** Options and Futures Markets
- **FIN 6382** Numerical Methods in Finance
- **MECO 6312** Applied Econometrics and Times Series Analysis
  or **ECON 6306** Applied Econometrics

Management of Financial Institutions Concentration - recommended coursework:

- **FIN 6308** Regulation of Business and Financial Markets
- **FIN 6311** Valuation Models and Practices
- **FIN 6314** Fixed Income Securities
- **FIN 6325** Macroeconomics and Financial Markets
- **FIN 6340** Management of Financial Institutions
- **FIN 6360** Options and Futures Markets
- **FIN 6370** The Theory of Finance and Its Applications
- **FIN 6383** Financial Risk Management

Real Estate Finance Concentration - recommended coursework:

- **FIN 6314** Fixed Income Securities
- **FIN 6321** Introduction to Real Estate
- **FIN 6322** Real Estate Finance and Investment
- **FIN 6323** Real Estate Market Analysis and Investment
- **FIN 6328** Real Estate Valuation
- **FIN 6325** Macroeconomics and Financial Markets

Financial information Management Concentration - recommended coursework:

- **MECO 6312** Applied Econometrics and Times Series Analysis
  or **ECON 6306** Applied Econometrics
**FIN 6360** Options and Futures Markets

**FIN 6364** Advanced Investment Management

**FIN 6368** Financial Information and Trading

**MIS 6324** Business Intelligence Software and Techniques

**MIS 6326** Data Management

**MIS 6344** Web Analytics