Master of Science in Finance

36 semester credit hours minimum

Faculty


Professor Emeritus: Dale Osborne

Clinical Professors: John Barden, David Cordell, Greg Durham, Randall S. Guttery, Peter Lewin, Arthur Selender, Kenneth Smith

Associate Professors: Nina Baranchuk, Zhonglan Dai, Umit G. Gurun, Surya N. Janakiraman, Robert L. Kieschnick Jr., Ramachandran (Ram) Natarajan, Valery Polkovnichenko, Gil Sadka, David J. Springate, Kelsey D. Wei, Yexiao Xu, Alejandro Zentner, Feng Zhao, Yibin Zhou

Clinical Associate Professor: Carolyn Reichert

Assistant Professor: Bernhard Ganglmair, Kyle Hyndman, Jun Li, Ningzhong Li, Arzu Ozoguz, Alessio Saretto, Christian Von-Drathen, Malcolm Wardlaw, Han (Victor) Xia, Jieying Zhang

Clinical Assistant Professors: Moran Bluestein, Ayfer Gurun, Liping Ma, Anastasia V. Shcherbakova

Senior Lecturer: Frank Anderson, Anindita Bardhan, Tiffany A. Bortz, Richard Bowen, George DeCourcy, Amal El-Ashmawi, Jared Pickens, James Richards, Steven Solcher, Kathy Zolton

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 in 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, six concentrations are available: Investment Management, Financial Analyst, Financial Risk Management, Energy Risk Management, Management of Financial Institutions, or Real Estate. 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. Because these concentrations have been designed to prepare students for certain certifications, students are recommended to focus 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.

**Category B:** FIN 6308, FIN 6311, FIN 6314, FIN 6315, FIN 6316, FIN 6321, FIN 6322, FIN 6323, FIN 6324, FIN 6325, FIN 6326, FIN 6328, FIN 6330, FIN 6335, FIN 6340, FIN 6341, FIN 6342, FIN 6343, FIN 6344, FIN 6345, FIN 6346, FIN 6347, FIN 6348, FIN 6349, FIN 6350, FIN 6351, FIN 6352, FIN 6353, FIN 6354, FIN 6355, FIN 6356, FIN 6357, FIN 6358, FIN 6359, FIN 6V98, FIN 6V99, MECO 6318, MECO 6352.

**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 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 and Statistical 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 and Statistical 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 6324 Real Estate Development  
FIN 6326 Real Estate Law and Contracts  
FIN 6328 Real Estate Valuation