# 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, Jeffrey Manzi, Divakar Rajamani, Kannan Ramanathan, Arthur Selender, Kenneth Smith

**Associate Professors:** Nina Baranchuk, Zhonglan Dai, Rebecca Files, Dorothee Honhon, Kyle Hyndman, Surya N. Janakiraman, Robert L. Kieschnick Jr., Alp Muharremoglu, Ramachandran (Ram) Natarajan, Valery Polkovnichenko, Gil Sadka, David J. Springate, Kelsey D. Wei, Yexiao Xu, Alejandro Zentner, Yuan Zhang, Feng Zhao, Yibin Zhou

**Clinical Associate Professors:** Sonia Leach, Carolyn Reichert, Avanti P. Sethi

**Assistant Professors:** Bernhard Ganglmair, Bin Li, Jun Li, Meng Li, Ningzhong Li, Naim Bugra Ozel, Arzu Ozoguz, Anyan Qi, Alejandro Rivera Mesias, Alessio Saretto, Serdar Simsek, Christian Von-Drathen, Malcolm Wardlaw, Han (Victor) Xia, Steven Xiao, Shengqi Ye, Nir Yehuda, Jieying Zhang, Xiaofei Zhao

**Clinical Assistant Professors:** Shawn Alborz, Athena Alimirzai, Moran Blueshtein, John Gamino, Ayfer Gurun, Liping Ma, Anastasia V. Shcherbakova

**Visiting Assistant Professor:** Lale Guler

**Senior Lecturers:** Arthur M. Agulnek, Frank Anderson, Anindita Bardhan, Tiffany A. Bortz, Richard Bowen, Monica E. Brussolo, George DeCourcy, Eugene (Gene) Deluke, Amal El-Ashmawi, Carol Flannery, Mary Beth Goodrich, Jennifer G. Johnson, Chris Linsteadt, Joseph Mauriello, Matt Polze, James Richards, Debra Richardson, Steven Solcher, Amy L. Troutman, 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: Financial Analyst, Corporate Finance/Investment Banking, Real Estate, Financial Risk Management, Energy Risk Management and Enterprise Risk Management. The Financial Analyst concentration is designed for students interested in pursuing an investment career and completing the Chartered Financial Analyst (CFA) examinations. The Corporate Finance/Investment Banking concentration is designed for students interested in corporate finance, investment banking, venture capital, private equity, or corporate restructuring and turnarounds. The Real Estate concentration prepares students for a career in real estate investing and development. The Financial Risk Management concentration prepares students for the Financial Risk Manager (FRM) exam and for managing the risk faced by financial institutions and investment funds. The Energy Risk Management concentration prepares students for the Energy Risk Professional (ERP) exam and managing the risk associated with energy markets. Finally, the Enterprise Risk Management concentration prepares students to achieve the ERM certification and manage many of the risks faced by non-financial companies. Because some of 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 (GPA) in both core courses and in aggregate courses to qualify for the MS degree.

Prerequisites

Calculus and basic statistics are required as prerequisites. Candidates who 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 6350 Advanced Financial Management
- FIN 6360 Options and Future Markets

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, ACCT 6336, ECON 6305, ECON 6306, MECO 6312, MECO 6315, MECO 6318, MECO 6352, OPRE 6335, OPRE 7310, MIS 6319 MIS 6330.

**Category B:** FIN 6308, FIN 6310, 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 6352, FIN 6355, FIN 6356, FIN 6357, FIN 6364, FIN 6366, FIN 6368, FIN 6370, FIN 6380, FIN 6381, FIN 6382, FIN 6383, FIN 6385, FIN 6390, FIN 6391, FIN 6V98, FIN 6V99.

**Concentrations:** 18 semester credit hours

**Financial Analyst (CFA) Concentration - recommended coursework:**

- **ACCT 6344** Financial Statement Analysis
- **FIN 6308** Regulation of Business and Financial Markets
- **FIN 6310** Investment Management
- **FIN 6311** Valuation Models and Practices
- **FIN 6314** Fixed Income Securities
- **FIN 6325** Macroeconomics and Financial Markets
- **FIN 6330** Behavioral Finance
- **FIN 6352** Financial Modeling
- **FIN 6364** Advanced Investment Management
- **FIN 6368** Financial Information and Analysis
- **FIN 6370** The Theory of Finance and Its Applications
- **FIN 6380** Global Fund Management
- **FIN 6V98** Finance Internship

**Corporate Finance/Investment Banking Concentration - recommended coursework:**

- **ACCT 6330** Intermediate Financial Accounting I
- **ACCT 6332** Intermediate Financial Accounting II
- **FIN 6311** Valuation Models and Practices
- **FIN 6315** Entrepreneurial Finance
- **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
FIN 6370 Theory of Finance and its Applications
FIN 6V98 Finance Internship
MECO 6352 Financial Negotiation and Dispute Resolution

Financial Risk Management Concentration - recommended coursework:
FIN 6314 Fixed Income Securities
FIN 6325 Macroeconomics and Financial Models
FIN 6352 Financial Modeling
FIN 6368 Financial Information and Analysis
FIN 6381 Introductory Mathematical Finance
FIN 6382 Numerical and Statistical Methods in Finance
FIN 6383 Financial Risk Management (highly recommended for concentration)
FIN 6390 Futures and Options Trading
FIN 6V98 Finance Internship
MECO 6312 Applied Econometrics and Times Series Analysis
OPRE 7310 Probability and Stochastic Processes

Energy Risk Management Concentration - recommended coursework:
FIN 6335 Energy Finance
FIN 6341 Energy Risk Management (highly recommended for concentration)
FIN 6352 Financial Modeling
FIN 6368 Financial Information and Analysis
FIN 6381 Introductory Mathematical Finance
FIN 6382 Numerical and Statistical Methods in Finance
FIN 6390 Futures and Options Trading
FIN 6V98 Finance Internship
MECO 6312 Applied Economics and Times Series Analysis
MECO 6318 Energy Economics
OPRE 6335 Risk and Decision Analysis
Managing Energy: Risk, Investment, Technology

Enterprise Risk Management Concentration - recommended coursework:

**ACCT 6336** Information Technology Audit and Risk Management
**FIN 6342** Insurance and Risk Management
**FIN 6352** Financial Modeling
**FIN 6381** Introductory Mathematical Finance
**FIN 6382** Numerical and Statistical Methods in Finance
**FIN 6385** Enterprise Risk Management (highly recommended for concentration)
**FIN 6390** Options and Futures Trading
**FIN 6391** Risk Accounting
**FIN 6V98** Finance Internship
**MECO 6312** Applied Econometrics and Times Series Analysis
**MIS 6319** Enterprise Resource Planning
**MIS 6330** Information Technology Security
**OPRE 6335** Risk and Decision Analysis

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 6325** Macroeconomics and Financial Markets
**FIN 6326** Real Estate Law and Contracts
**FIN 6V98** Finance Internship

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