FINANCE, MFIN

Degree: Master of Finance (MFin)

Program Overview

The Master of Finance program trains students to make immediate and skilled contributions in corporation finance, financial modeling, valuation, derivatives applications, risk management, and financial econometrics. Through case studies, real life projects, corporate presentations, field trips and internships, finance students acquire a solid foundation in finance while applying key concepts and theories in and out of class. Increasingly, leaders must be equipped to work with diverse populations locally and around the world. Bringing diverse voices together into one community inspires innovation and creative problem solving for today's evolving market. As a Weatherhead finance master's degree student, students will engage with peers from all over the globe, an experience that will expand students' ability to relate to people from all cultures and prepare students to lead in a global business environment.

The Master of Finance program organizes city treks across the U.S. to meet with potential employers. These treks provide students with the opportunity to visit and learn about various firms, and to meet and form relationships with leaders in the field. The Master of Finance program hosts several seminars a year led by industry experts. These seminars introduce students to a variety of sectors in finance and gives them the opportunity to network with top-finance professionals. Master of Finance students are also invited to regular academic seminars that the Banking and Finance department hosts. These seminars are held regularly, and given by top-academic researchers in finance. These seminars provide students information about what is currently happening at the cutting edge of financial research that may have many applications in practice. The Master of Finance program has a dedicated director to assist students in finding internships and jobs, and to help build relationships.

For more information visit the website or contact Marybeth Keeler, Associate Director, at 216.368.3688.

Learning Outcomes

- Students are competent analytical problem solvers.
- Students are skilled at solving unstructured problems.
- Students demonstrate effective teamwork.

Program Requirements

Students can complete the Master of Finance program at the Weatherhead School of Management at Case Western Reserve University in as little as nine months (two semesters and 30 credit hours), or students can opt to stay up to two years and complete 39 credit hours with a departmental certification in a specialization by taking appropriate additional electives.

The Master of Finance degree curriculum offers students the flexibility of determining the structure of their program based on their long-term goals and specific areas of interest. Students can graduate with the basic program of 30 credit hours or work toward additional departmental certification, available upon successful completion of 39 credit hours. The Master of Finance program offers five specializations for students to build their own future.

The curriculum is comprised of the following components:

Core Courses

The core courses provide students with the tools and techniques that build a strong foundation in finance.

Code	Title	Hours
FNCE 401	Financial Orientation [*]	1.5
FNCE 404	Financial Modeling	3
FNCE 421	Corporate Financial Analysis	3
FNCE 429	Investment Management	3
FNCE 430	Derivatives and Risk Management	3
FNCE 435	Empirical Finance	3
FNCE 436A	Individual, Team and Career Development	.75
FNCE 436B	Individual, Team and Career Development	.75
Total Hours		**18**

[*]   Mandatory preparatory course taken before the first semester begins.

Specializations

Specialization courses develop expertise in a particular specialization: Corporate Financial Analytics, Corporate Finance, Risk Management Analytics, Financial Big Data Analytics, or FinTech. Enrollment in elective courses may be contingent upon appropriate performance in the program. Students enrolled in the 30 credit hour plan will take 12 credit hours in a specialization. Students enrolled in the 39 credit hour plan will take 21 credit hours in a specialization.

Corporate Financial Analytics Specialization (STEM Eligible) [b]

Code	Title	Hours
FNCE 414	Banking and RegTech	3
FNCE 428	Financial Strategy and Value Creation	3
FNCE 432	Corporate Risk Management	3
FNCE 434 or FNCE 440	Financial Analytics and Banking / Financial Decisions Modeling and Analytics	3
FNCE 470	Financial Models Using Big Data	3
FNCE 480	Global Banking & Capital Markets	3
FNCE 491	Python Programming w Appl in Finance	3
Total Hours		**21**

Corporate Finance Specialization [b]

Code	Title	Hours
FNCE 403	Corporate Financial Technology [a]	3
FNCE 428	Financial Strategy and Value Creation [a]	3
FNCE 440	Financial Decisions Modeling and Analytics	3
FNCE 444	Entrepreneurial Finance [a]	3
FNCE 450	Mergers and Acquisitions	3
FNCE 480	Global Banking & Capital Markets [a]	3
Elective [c]		3
Total Hours		**21**

Risk Management Analytics Specialization (STEM Eligible) [b]

Code	Title	Hours
FNCE 412	Algorithmic Trading	3
FNCE 431	Fixed Income Markets and Their Derivatives	3

FNCE 432	Corporate Risk Management	3
FNCE 433	Quantitative Risk Modeling	3
FNCE 434	Financial Analytics and Banking	3
or FNCE 440	Financial Decisions Modeling and Analytics	
FNCE 460	Investment Strategies	3
FNCE 491	Python Programming w Appl in Finance	3
Total Hours		**21**

Financial Big Data Analytics Specialization (STEM Eligible) [b]

Code	Title	Hours
FNCE 412	Algorithmic Trading	3
FNCE 431	Fixed Income Markets and Their Derivatives	3
FNCE 433	Quantitative Risk Modeling	3
FNCE 460	Investment Strategies	3
FNCE 470	Financial Models Using Big Data	3
FNCE 471	Applications in Financial Big Data	3
FNCE 493	Blockchains, Cryptocurrencies, and Cryptoventures	3
Total Hours		**21**

FinTech Specialization (STEM Eligible) [b]

Code	Title	Hours
FNCE 403	Corporate Financial Technology	3
FNCE 412	Algorithmic Trading	3
FNCE 414	Banking and RegTech	3
FNCE 460	Investment Strategies	3
FNCE 493	Blockchains, Cryptocurrencies, and Cryptoventures	3
FNCE 494	Artificial Intelligence for Financial Modeling	3
Elective [c]		3
Total Hours		**21**

a   Required for the 30 credit hour plan.
b   Students have the option to choose four courses in the specialization electives to complete 30 credit hours or to choose seven courses in the specialization electives to complete 39 credit hours.
c   Other appropriate electives as approved by the faculty director.

Dual Degree Options

- Business Administration, MBA/Finance, MFin