

FINANCE, MFIN

Degree: Master of Finance (MFin)

Program Overview

The Master of Finance program trains students to make immediate and skilled contributions in the constantly changing marketplace of finance. Through case studies, financial big data projects, real-life projects under corporate executives, corporate presentations, field trips, and internships, the Master of Finance students acquire a rigorous foundation in finance while applying key concepts, theories, and analytical techniques in and out of class. Five tracks of specialization are offered—Corporate Finance, Corporate Financial Analytics, Risk Management Analytics, Financial Big Data Analytics, and FinTech. The Master of Finance program has been accepted into the CFA Institute University Recognition Program. Four of the tracks are also STEM accredited. In addition to the resources offered by Weatherhead School's Career Management Office, the Master of Finance program has a dedicated executive director to provide students experiential learning, and to assist them in internships and placements, and help build relationships. There are regular corporate and city treks, practitioner seminars, academic seminars, and networking events.

For more information visit the Master of Finance program's 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

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 in two semesters, or work toward additional departmental certification, available upon successful completion of 39 credit hours in three or four semesters. The Master of Finance program offers five specializations for students to build their own future, four of which are STEM accredited.

The curriculum is comprised of the following components:

Code	Title	Credit Hours
Required Core Courses: ^a		
FNCE 401	Financial Orientation ^b	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 Credit Hours		18

- a The core courses provide students with the tools and techniques that build a strong foundation in finance.
- b 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	Credit Hours
FNCE 414	Banking and RegTech	3
FNCE 428	Financial Strategy and Value Creation	3
FNCE 432	Corporate Risk Management	3
FNCE 434	Financial Analytics and Banking	3
or FNCE 440	Financial Decisions Modeling and Analytics	
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 Credit Hours		21

Corporate Finance Specialization ^b

Code	Title	Credit 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 450	Mergers and Acquisitions	3
FNCE 480	Global Banking & Capital Markets ^a	3
Elective ^c		6
Total Credit Hours		21

Risk Management Analytics Specialization (STEM Eligible) ^b

Code	Title	Credit 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 Credit Hours		21

Financial Big Data Analytics Specialization (STEM Eligible) ^b

Code	Title	Credit 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 Credit Hours		21

FinTech Specialization (STEM Eligible) ^b

Code	Title	Credit 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 Credit 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