



MFin Concentration Requirements

Class of Summer 2024

IMPORTANT: If you are considering a concentration, the first step is to consult with your MFin Program Advisor prior to registering for courses.

To plan, **refer to this document in conjunction with your Degree Requirements.**

Concentration courses must be taken for a letter grade.

Completing a concentration is **optional**. You may choose from the options below:

- Capital Markets
- Climate and Social Impact Finance
- Corporate Finance
- Financial Engineering
- FinTech

Concentrations require taking **two (2)** courses **in addition to** MFin degree requirements. Courses **cannot be** counted for both degree requirements and concentration requirements unless specifically noted.

If you choose to pursue a concentration, please note the following:

- The feasibility depends on class schedules and faculty availability in any given academic year
- There will be **no substitutions** for the approved list of classes
- Students cannot take more than 66 credit units per term
- Courses added as of Spring 2025 are highlighted

MFin Concentration Requirements

Class of Summer 2024

Capital Markets (CM):

Electives (Choose Two):

- 15.235 Blockchain & Money [not offered in AY 25-26]
- 15.434 Advanced Corporate Finance
- 15.437 Options & Futures Markets
- 15.438 Fixed Income Securities & Derivatives
- 15.439 Quantitative Investment Management
- 15.447 International Capital Markets
- 15.456 Financial Engineering
- 15.458 Financial Data Science & Computing
- 15.465 Alphanomics
- 15.466 Functional & Strategic Finance
- 15.467 Asset Management, Lifecycle Investing & Retirement Finance
- 15.481 Financial Market Dynamics & Human Behavior
- 15.492 Crypto Finance
- 15.C51 Modeling with Machine Learning: Financial Technology
- 15.S03 AI and Money
- 15.S08 Advanced Data Analytics and Machine Learning in Finance

Climate and Social Impact Finance (CSIF):

Required Courses:

- 15.453 Finance Lab; impact-related project*
- 15.499 Climate and Social Impact Investing

Electives (Choose One):

- 15.035 Energy Market Dynamics in a Decarbonizing Economy
- 15.431 Entrepreneurial Finance and Venture Capital
- 15.456 Financial Engineering
- 15.482 Healthcare Finance [not offered in AY 25-26]
- 15.873 System Dynamics for Business and Policy
- 15.S08 Advanced Data Analytics & Machine Learning in Finance
- SCM.290 Sustainable Supply Chain Management
- 15.C51 Machine Learning for Sustainable Systems

*Note: For the Climate and Social Impact Finance concentration only, 15.453 counts towards the Action Learning degree requirement as well as the Climate and Social Impact Finance concentration requirement.

MFin Concentration Requirements

Class of Summer 2024

Corporate Finance (CF):

Electives (Choose Two):

- 15.431 Entrepreneurial Finance and Venture Capital
- 15.434 Advanced Corporate Finance
- 15.436 Corporate Financial Strategy [not offered in AY 25-26]
- 15.437 Options & Futures Markets
- 15.445 Mergers, Acquisitions & PE
- 15.466 Functional & Strategic Finance
- 15.482 Healthcare Finance [not offered in AY 25-26]
- 15.497 FinTech Ventures [approved only for Feb '26 graduates]
- 15.535 Business Analysis Using Financial Statements
- 15.665 Power and Negotiation [approved only for Feb '26 graduates]

Financial Engineering (FE):

Required Courses:

- 15.455 Advanced Mathematical Methods for Financial Engineering*
- 15.456 Financial Engineering**
- 15.457 Advanced Analytics of Finance*

Electives (Choose One):

- 15.095 Machine Learning Under a Modern Optimization Lens
- 15.235 Blockchain & Money [not offered AY 25-26]
- 15.437 Options & Futures Markets
- 15.438 Fixed Income Securities & Derivatives
- 15.447 International Capital Markets
- 15.458 Financial Data Science & Computing
- 15.466 Functional & Strategic Finance
- 15.467 Asset Management, Lifecycle Investing & Retirement Finance
- 15.470J Asset Pricing
- 15.481 Financial Market Dynamics & Human Behavior
- 15.773 Hands-On Deep Learning
- 15.C51 Modeling with Machine Learning: Financial Technology
- 15.S03 AI and Money
- 15.S06 AI and Machine Learning Research in Finance
- 15.S08 Advanced Data Analytics & Machine Learning in Finance
- 6.7900 Machine Learning



MFin Concentration Requirements

Class of Summer 2024

*Note: For the Financial Engineering concentration only, both 15.455 & 15.457 count towards MFin degree requirements as well as the FE concentration requirement.

**Note: For the Financial Engineering concentration only, either 15.470J or 15.472J Advanced Asset Pricing count towards the FE concentration requirement in lieu of 15.456.

FinTech (FT):

Required Course:

15.483 Consumer Finance and FinTech

Electives (Choose One):

15.235 Blockchain and Money [not offered AY 25-26]

15.390 New Enterprises

15.431 Entrepreneurial Finance and Venture Capital

15.456 Financial Engineering

15.466 Functional and Strategic Finance

15.467 Asset Management, Lifecycle Investing, and Retirement Finance

15.492 Crypto Finance

15.497 FinTech Ventures

15.561 Digital Revolution: From Foundations to Future Trends

15.783J Product Design and Development

15.S03 AI and Money

15.S08 Advanced Data Analytics and Machine Learning in Finance

If you have questions, please contact the MFin Program Office at mfin@mit.edu.