

# MFin Concentration Requirements

**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**. Should you want to do a concentration, we highly recommend pursuing only **one** from the options below:

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

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. The only exceptions to this policy are noted below for the Financial Engineering concentration and the Climate and Social Impact Finance concentration.

If you choose to pursue two concentrations (which is not recommended), please note the following:

- The feasibility of pursuing two concentrations 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

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## Capital Markets (CM):

*Electives* (Choose Two):

- 15.235 Blockchain & Money
- 15.437 Options & Futures Markets
- 15.438 Fixed Income Securities & Derivatives
- 15.447 International Capital Markets
- 15.456 Financial Engineering
- 15.466 Functional & Strategic Finance
- 15.467 Asset Management, Lifecycle Investing & Retirement Finance
- 15.481 Financial Market Dynamics & Human Behavior

## Corporate Finance (CF):

*Electives* (Choose Two):

- 15.431 Entrepreneurial Finance and Venture Capital
- 15.434 Advanced Corporate Finance
- 15.436 Corporate Financial Strategy
- 15.437 Options & Futures Markets
- 15.445 Mergers, Acquisitions & PE
- 15.466 Functional & Strategic Finance
- 15.482 Healthcare Finance
- 15.535 Business Analysis Using Financial Statements

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## 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
- 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.S08 Advanced Data Analytics & Machine Learning in Finance

\*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.

## 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):*

- 15.431 Entrepreneurial Finance and Venture Capital
- 15.456 Financial Engineering
- 15.482 Healthcare Finance
- 15.873 System Dynamics for Business and Policy
- 15.S08 Advanced Data Analytics & Machine Learning in Finance

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

If you have questions, please contact the MFin Program Office at [mfin@mit.edu](mailto:mfin@mit.edu).