



# The MIT Sloan MBA Finance Track

## 2021-22

*(subject to change-semester and unit notations should be confirmed with the Sloan Course Browser)*

### Required Courses (27-33 units):

- 15.401 Managerial Finance (Fall, 1<sup>st</sup> year) (F/S, 9)
- 15.402 Corporate Finance (F/S, 9)
- 15.403 Introduction to the Practice of Finance Seminar (F, 3)
- Action Learning Requirement: Finance Track students are required to participate in at least one course or action learning experience that has: (1) significant financial content; and (2) a strong project (group or individual) component in order to obtain hands on experience working through real problems. The following four courses have been pre-approved to satisfy this requirement. If none of the following courses pertain to your academic or career interests, we will accept proposals for substitutions (i.e. G-Lab, China Lab, etc. projects that meet the above criteria).
  - 15.451 Proseminar in Capital Markets/Investment Management (F, 6)
  - 15.452 Proseminar in Corporate Finance/Investment Banking (F, 6)
  - 15.497 FinTech Ventures (F, 9)
  - 15.453 Finance Lab (IAP/S-H1, 12) *formerly Finance Research Practicum*

### Electives A: General Electives:

Choose two courses from:

- |        |  |
|--------|--|
| 15.431 | Entrepreneurial Finance and Venture Capital (F, 9)                                 |
| 15.433 | Financial Markets (F, 9)   |
| 15.434 | Advanced Corporate Finance (F, 9)  |
| 15.436 | Corporate Financial Strategy (F, 9)  |
| 15.437 | Options and Futures (S, 9)   |
| 15.438 | Fixed Income Securities and Derivatives (S, 9)                                     |
| 15.439 | Investment Management (S, 9)   |
| 15.445 | Mergers, Acquisitions and Private Equity (S, 9)                                    |
| 15.446 | Private vs. Public Capital Markets (S, 9)  |
| 15.447 | International Capital Markets (S, 9)   |
| 15.450 | Analytics of Finance (S, 12)   |
| 15.456 | Financial Engineering (F, 9)   |
| 15.457 | Advanced Analytics of Finance (S, 9) <sup>++</sup>                                 |
| 15.466 | Functional and Strategic Finance (S, 9) <sup>++</sup>                              |
| 15.467 | Asset Management, Lifecycle Investing, and Retirement Finance (S, 9) <sup>++</sup> |
| 15.481 | Financial Market Dynamics & Human Behavior (S, 9)                                  |
| 15.482 | Healthcare Finance (F, 9) <sup>++</sup>  |
| 15.483 | Consumer Finance and FinTech (S, 6)  |

**Electives B (24 units):**

Choose 24 additional\* units from:

15.012	Applied Macro & International Economics (F, 9)
15.013	Industrial Economics for Strategic Decisions (F, 9)
15.025	Game Theory for Strategic Advantage (S, 9)
15.062	Data Mining (F, 6)
15.070J	Advanced Stochastic Processes (S, 12)
15.071	The Analytical Edge (F/S, 12)
15.077J	Statistical Learning and Data Mining (S, 12)
15.081J	Intro to Mathematical Programming (F, 12)
15.084J	Nonlinear Programming (S, 12)
15.093J	Optimization Models (F, 12)
15.216	Central Banks, Monetary Policy & Global Fin. Markets (S, 6)(was 15.S69)
15.235	Blockchain and Money (F,12) (was 15.S12)
15.363	Strategic Decision Making in the Life Sciences (S, 9)
15.382	Managing Innovation in Financial Institutions (F, 9) (was 15.S18)
15.426J	Real Estate Finance and Investment (F, 12)
15.427J	Real Estate Capitals Markets (S, 6)
15.429J	Securitization of Mortgages and Other Assets (S, 9)
15.431	Entrepreneurial Finance and Venture Capital (F, 9)
15.433	Financial Markets (F, 9)
15.434	Advanced Corporate Finance (F, 9)
15.436	Corporate Financial Strategy (F, 9)
15.437	Options and Futures (S, 9)
15.438	Fixed Income Securities and Derivatives (S, 9)
15.439	Investment Management (S, 9)
15.445	Mergers, Acquisitions, and Private Equity (S, 9)
15.446	Private vs Public Capital Markets (S, 9)
15.447	International Capital Markets (S, 9)
15.450	Analytics of Finance (S, 12)
15.451	Proseminar in Capital Markets/Investment Management (F, 6)
15.452	Proseminar in Corporate Finance/Investment Banking (F, 6)
15.453	Finance Lab (IAP/S-H1, 12)
15.456	Financial Engineering (F, 9)
15.457	Advanced Analytics of Finance (S, 9) ++
15.458	Financial Data Science and Computing (F, 9)
15.466	Functional and Strategic Finance (S, 9) ++
15.467	Asset Management, Lifecycle Investing, and Retirement Finance (S, 9)++
15.480	Science and Business of Biotechnology (S, 9)
15.481	Financial Market Dynamics & Human Behavior (S, 9)
15.482	Healthcare Finance (F, 9) ++
15.483	Consumer Finance and FinTech (S, 6)
15.492	Crypto Finance (S, 6)
15.493	POF: Perspectives on Investment Management (F/S, 6) ++
15.497	POF: FinTech Ventures (F,9)
15.499	POF: Social Impact Investing (S, 9)

15.518	Taxes and Business Strategy (S, 9)
15.521	Accounting information for Decision Makers (F/S, 6)
15.535	Business Analysis Using Financial Statements (F/S, 9)
15.615	Essential Law for Business (F/S, 9)
15.S08	Adv. Data Analytics and Machine Learning in Finance (F, 9)
15.S16	POF: Regulating Financial Markets and Institutions (S, 6)
15.S70	POF: Private Equity and Hedge Fund Long Term Investing (S, 6)
15.S72	POF: The CIO's Approach to Institutional Multi-Asset Investing (F, 6)
6.231	Dynamic Programming and Stochastic Control <sup>+</sup> (S, 12)
6.338J	Numerical Computing and Interactive Software <sup>+</sup> (F, 12)
6.823	Computer System Architecture <sup>+</sup> (S, 12)
6.824	Distributed Computer Systems Engineering <sup>+</sup> (S, 12)
14.281	Contract Economics <sup>+</sup> (F,12)
14.382	Econometrics <sup>+</sup> (S, 12)
14.384	Time Series Analysis <sup>+</sup> (F, 12)
14.387	Applied Econometrics <sup>+</sup> (S, 12)

\* No double counting (Electives A courses may not be applied to the requirements for Electives B)

\*\* Students must obtain instructor permission to enroll in Ph.D. level courses. To be considered, email rallen@mit.edu

<sup>+</sup> Sloan students may only take up to three non-Sloan courses for credit towards their degree.

<sup>++</sup> Course not offered in academic year 2021-22.

### **Course Substitutions**

Students may submit a Course Substitution form, available on MySloan, for a course that they feel can substitute for one of the Finance Track requirements. Ideally, course substitution requests will be made **prior** to taking a course, however, we will consider requests submitted while taking a course as well. Course substitution requests will not be accepted after the completion of a course. Course Substitution requests will be reviewed by the Finance Track Head and Finance Track Coordinator, Kelly Nixon, for approval. Examples of this include, but are not limited to:

1. MIT course (Sloan or non-Sloan) not on the Finance Track curriculum that the student feels pertains to his/her career and academic interests in finance.
2. Harvard course that the student has cross-registered for that is a direct substitute of an MIT course already on the Finance Track curriculum or one that the student feels pertains to his/her career and academic interests in finance.
3. Course taken during a study abroad term that is a direct substitute of an MIT course already on the Finance Track curriculum or one that the student feels pertains to his/her career and academic interests in finance.
4. Course or action learning experience taken in place of one of the four pre-approved seminars to complete the action learning requirement. Only courses with significant financial content will be approved.

### **Petition for Finance Track Certificate**

Students may submit a Petition for Finance Track Certificate, available on MySloan, in their final semester in the case that the student is missing one or more of the Finance Track requirements but has a valid explanation and/or justification for not completing these requirements. Petitions will be reviewed by the Finance Track Head and Finance Track Coordinator, Kelly Nixon, for approval.

Please note that we strongly encourage students to plan their course schedule ahead of time to ensure that all requirements are completed by their final semester and petitions will not be approved for requirements missing due to poor planning.