

FINANCE (MSF)

You need a firm foundation to stay atop an ever-shifting global financial landscape. Our Master of Science in Finance (MSF) program will provide you with the understanding of financial principles and analytical skills to prepare you for a successful career.

Our curricula is closely linked to professional practice and vital industry connections. And industry leaders on our Financial Advisory Board ensure that our curriculum—and your MSF degree—remains relevant and cutting edge.

Related Programs

Major

- Accounting (BBA) (<https://catalog.luc.edu/undergraduate/business/accounting-bba/>)

Master's

- Accountancy (MSA) (<https://catalog.luc.edu/graduate-professional/business/accountancy-ms/>)

Combined

- Finance (MBA/MSF) (<https://catalog.luc.edu/graduate-professional/dual-degree-programs/finance-mba-msf/>)

Curriculum

Completion of the Master of Science in Finance degree requires 12 courses, with additional prerequisite courses depending on academic background.

The curriculum is divided into three sets of courses: prerequisites, required courses, and electives. The required courses are designed to develop strong analytical and modeling skills. The electives enable students to explore topics in corporate finance, risk management, and asset management. Ethical decision-making is woven throughout the program, which will help position you as a responsible leader in your organization.

Required Courses and Electives

| Code | Title | Hours |
|------------------------------|--|-------|
| Required Courses | | |
| ETHC 441N or MGMT 446 | Business Ethics International Business Ethics | 3 |
| FINC 452 | Investment Management | 3 |
| FINC 453 | Topics in Advanced Financial Management | 3 |
| FINC 620 | Financial Mathematics and Modeling I | 3 |
| FINC 622 | Derivative Securities | 3 |
| FINC 630 | Capstone Master of Science Finance | 3 |
| Electives | | |
| Select six of the following: | | 18 |
| ACCT 404 | Financial State Analysis | |
| FINC 455 | International Financial Management | |
| FINC 456 | Management of Financial Institutions | |
| FINC 553 | Applied Portfolio Management | |
| FINC 554 | Fixed Income | |
| FINC 556 | Investment Banking | |

| | |
|--------------------|---|
| FINC 624 | Interest Rate Risk Management |
| FINC 626 | Credit Risk Management and Structured Finance |
| FINC 628 | Valuation |
| Total Hours | 36 |

Prerequisites

The prerequisite requirement is met if you have completed a minimum of one undergraduate course (3 credit hours) of comparable content in the prerequisite subject area within the last five years with a grade of B (or equivalent) or higher.

| Code | Title | Hours |
|--|---|-------|
| Calculus | | |
| Select one of the following or an equivalent course: | | 3-4 |
| MATH 131 | Applied Calculus I | |
| MATH 161 | Calculus I | |
| Principles of Micro/Macroeconomics | | |
| Select one of the following or an equivalent course: | | 3 |
| ECON 201 | Principles of Microeconomics | |
| ECON 202 | Principles of Macroeconomics | |
| ECON 420 | Managerial Economics | |
| Statistics | | |
| Select one of the following or an equivalent course: | | 3 |
| ISSCM 241 | Business Statistics | |
| ISSCM 491 | Managerial Statistics | |
| STAT 103 | Fundamentals of Statistics | |
| STAT 203 | Introduction to Probability & Statistics | |
| Introductory Accounting | | |
| Select one of the following or an equivalent course: | | 3 |
| ACCT 201 | Introductory Accounting I | |
| ACCT 400 | Financial Accounting for Business Decisions | |
| Business Finance | | |
| Select one of the following or an equivalent course: | | 3 |
| FINC 334 | Principles of Corporate Finance | |
| FINC 450 | Financial Management | |

Suggested Sequence of Courses (part-time, prerequisite(s) met)

The below sequence of courses is meant to be used as a suggested path for completing coursework. An individual student's completion of requirements depends on course offerings in a given term as well as the start term for a major or graduate study. Students should consult their advisor for assistance with course selection.

| Course | Title | Hours |
|---------------|---------------------------------------|----------|
| Year 1 | | |
| Fall | | |
| FINC 452 | Investment Management | 3 |
| FINC 620 | Financial Mathematics and Modeling I | 3 |
| Hours | | 6 |
| Winter | | |
| FINC 621 | Financial Mathematics and Modeling II | 3 |
| FINC 622 | Derivative Securities | 3 |
| Hours | | 6 |

Spring

| | | |
|--------------|-------------------------------|----------|
| FINC 624 | Interest Rate Risk Management | 3 |
| FINC 625 | Applied Econometrics | 3 |
| Hours | | 6 |

Summer

| | | |
|---------------------------|--|----------|
| Select one from Electives | | 3 |
| Hours | | 3 |

Year 2**Fall**

| | | |
|---------------------------------------|--|----------|
| Ethics course (ETHC 441N or MGMT 446) | | 3 |
| Select one from Electives | | 3 |
| Hours | | 6 |

Winter

| | | |
|---------------------------|--|----------|
| Select one from Electives | | 3 |
| Hours | | 3 |

Spring

| | | |
|--------------------|---|-----------|
| FINC 626 | Credit Risk Management and Structured Finance | 3 |
| FINC 630 | Capstone Master of Science Finance | 3 |
| Hours | | 6 |
| Total Hours | | 36 |

Graduate & Professional Standards and Regulations

Students in graduate and professional programs can find their Academic Policies in Graduate and Professional Academic Standards and Regulations (<https://catalog.luc.edu/academic-standards-regulations/graduate-professional/>) under their school. Any additional University Policies supersede school policies.

Learning Outcomes

Our Master of Science in Finance program will provide you with specialized knowledge:

- Learn the concepts of risk and return relationship, diversification, micro and macro structure of global capital markets, and tools for stock and bond portfolio optimizations.
- Learn models and techniques for asset valuation, debt-equity decisions, real options, and cost of capital calculation.
- Learn the application of financial mathematic modeling techniques involving writing and implementing computer codes.
- Learn the concept and valuation of derivatives and their application to manage risk.
- Learn the concepts and application of responsible decision making.