**FINANCE (MBA/MSF)**

Loyola students may choose to combine an MBA (https://catalog.luc.edu/graduate-professional/business/next-generation-mba/) with a Master of Science in Finance (MSF) (https://catalog.luc.edu/graduate-professional/business/finance-msf/) to provide the breadth and depth of knowledge often required of finance professionals.

**Curriculum**

The dual degree in business and finance requires four fewer courses than if each degree were earned separately. Students completing the dual degree will earn an MBA (https://catalog.luc.edu/graduate-professional/business/next-generation-mba/) with a specialization in finance and an MSF degree (https://catalog.luc.edu/graduate-professional/business/finance-msf/).

A maximum gap of three years is allowed between the completion of one program and the start of the other.

### Curriculum Details

#### MBA Prerequisites (may be waived):

- ISSCM 400N: Quantitative Methods I (0 hours)
- ISSCM 402N: Quantitative Methods II - Statistics Primer (0 hours)

#### MBA Introductory Courses (may be waived):

- ACCT 400: Financial Acct for Bus Decisions (3 hours)
- ECON 420: Managerial Economics (3 hours)
- FINC 450: Financial Management (3 hours)
- MARK 460: Marketing Management (3 hours)
- SCMG 480: Intro to Operations Mgmt (3 hours)

#### Required MBA Core Coursework:

- HRER 417N: Managing and Motivating in the Workplace (3 hours)
- ISSCM 484N: Project Management (3 hours)
- ISSCM 595N: Decision Analysis (3 hours)
- ISSCM 596N: Data Driven Decision Making (3 hours)
- MARK 425N: Business Communication (1.5 hours)
- MGMT 426N: Leadership Development (1.5 hours)
- MGMT 430N: Strategy and Leadership (3 hours)
- MGMT 431N: Business Consulting Course (3 hours)

#### Ethics Course:

- INFS 795: Ethics and Data Analytics (3 hours)
- MGMT 441N: Business Ethics (3 hours)
- MGMT 446: International Business Ethics (3 hours)

#### MS Finance Core Coursework:

- FINC 452: Investment Management (3 hours)
- FINC 620: Financial Mathematics and Modeling I (3 hours)
- FINC 621: Financial Mathematics and Modeling II (3 hours)
- FINC 622: Derivative Securities (3 hours)
- ECON 622: Interest Rate Risk Management (3 hours)
- FINC 625: Applied Econometrics (3 hours)
- ECON 625: Credit Risk Management and Structured Finance (3 hours)
- FINC 630: Capstone Master of Science Finance (3 hours)

#### MBA or MSF Electives

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<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FINC 452</td>
<td>Investment Management</td>
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<tr>
<td>FINC 620</td>
<td>Financial Mathematics and Modeling I</td>
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<td>Capstone Master of Science Finance</td>
<td>3</td>
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1. Prerequisite: ISSCM 400N Quantitative Methods I
2. Corequisite: ACCT 400 Financial Acct for Bus Decisions

### Sample Plan of Study

#### Year 1

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<tr>
<th>Course</th>
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#### Fall

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<tr>
<td>ISSCM 400N</td>
<td>Quantitative Methods I</td>
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**Total Hours:** 0

### Dual Degree Programs

Students in dual degree programs are responsible for abiding by academic policies and graduation requirements of both academic units to which they are enrolled. It is strongly recommended that students schedule regular meetings with academic advisors from both units to ensure timely degree completion. Dual degree programs may have slightly different degree requirements from the standard for one or both of the degrees earned. Students should closely read through all degree requirements and ask for clarification as needed.

### Learning Outcomes for the MBA Learning Outcomes

#### Learning Goals for Master of Business Administration Program (MBA)

- **Goal 1:** Integrative Business Knowledge: Graduates will be proficient in integrating the techniques, processes, and procedures of the fundamental business disciplines (accounting, economics, finance, marketing, management, human resource management, operations management, and information technology). They will be able to apply theory, skills, and knowledge from these disciplines to business practice.
- **Goal 2:** Critical Decision Making: Graduates will demonstrate their capacity for critical analysis in processing, interpreting, and managing the quantitative and qualitative information necessary for effective managerial decision making.
- **Goal 3:** Ethics and Responsible Leadership: Graduates will understand how to be a leader in business who exhibits personal integrity, ethical awareness, and an ability to apply ethical principles to business practice.
- **Goal 4:** Global Perspective and Awareness of Diversity: Graduates will have a global perspective by recognizing international business issues and appreciating diversity, including culture, race, religion, and gender.
- **Goal 5:** Communication: Graduates will be able to communicate effectively, orally. Graduates will be able to communicate effectively, in writing.

### Learning Outcomes for the MSF Learning Outcomes

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

1. 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.
2. Learn how to apply state-of-the-art techniques and models in the valuation of equities, fixed income, and derivatives securities such as options, interest and exchange rate swaps, collateralized debt obligations, among others.

3. Understand how to optimize a firm’s financing and investment decisions in a global setting (debt-equity choices, asset-liability restructuring, capital budgeting, cost of capital, mergers and acquisitions, among others) to maximize its value and realize long-run growth opportunities.

4. Identify and assess a firm’s risk from all sources both to mitigate threats using key risk management techniques (including options, swaps, and asset-liability duration) and exploit opportunities to realize competitive advantages.

5. Exhibit mastery of various statistical models and analytics, including simulation, econometrics, and financial mathematics to assess the financial consequences of actions by investors and firms.

6. Master emerging modeling techniques involving writing and implementing computer codes and pulling and working with data resources from different platforms, such as Bloomberg.

7. Learn effective communication skills aimed at shareholders, regulatory bodies, and the community at large.

8. Attain the knowledge needed to succeed in passing the examination requirements for professional certifications such as the Certified Financial Analyst (CFA), Certified Alternative Investment Analyst (CAIA), and Certified Financial Planner (CFP).

9. Incorporate transparency and social justice in all domestic and global financial decisions.