

# FINANCE - MASTER OF SCIENCE (MS)

The nine-month MS in finance provides extensive coursework and an in-depth application of materials, preparing students for a range of job opportunities. In addition to the coursework, enrichment seminars in topics ranging from teamwork and leadership to ethics and corporate social responsibility support the "whole student" experience by incorporating professional development into the academic experience.

The focused finance curriculum offers students a firm grounding in general finance, and helps to develop the specific skills necessary to pursue careers in a variety of financial fields.

The MS degree in finance offers two tracks to develop skills in specific disciplines:

- The **investment management (IM) track** provides the knowledge and practical tools to construct optimal investment portfolios for an investor's desired goals in terms of assets, risks and returns. The curriculum offers strong foundational knowledge of investment theories along with intensive data-driven analysis to inform asset selection, portfolio construction, diversification and risk management. Coursework covers the drivers of value and growth in markets, the institutional features of stocks, bonds and derivatives markets, as well as investors' considerations among the various investment vehicles including ETFs, mutual funds, hedge funds, venture capital and private equity. This track prepares graduates with competencies necessary to pursue a career with an investment management firm and to take the CFA Level I exam.
- The **sustainable finance (SF) track** provides up-to-date knowledge for a wide array of careers helping investors, corporations, and governments allocate capital between different sustainability projects and evaluate the impact of sustainable funding in the markets.
- The **corporate finance/consulting (CF) track** prepares students for a career in management consulting, investment banking, private equity and venture capital.

For additional information, please visit Leeds School Graduate Programs (<http://www.colorado.edu/business/ms-programs/>) or email us at [leedsgrad@colorado.edu](mailto:leedsgrad@colorado.edu).

## Requirements

Code	Title	Credit Hours
<b>Core Courses</b>		
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5235	Finance Industry Academy <sup>1</sup>	3
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5060	Corporate Finance	3
MSBC 5220	Investment Management & Analysis	3
MBAX 6250	Derivative Securities	3
MBAX 6210	Applied Financial Management	3
MBAX 6260	Fixed Income Investing	3

### Track-Specific Elective Courses

Choose two track-specific electives	6
<b>Total Credit Hours</b>	<b>30</b>

<sup>1</sup> MSBC 5235 delivers as 1.5 credits in fall and 1.5 credits in spring.

## Program Tracks

### Corporate Finance Track

Code	Title	Credit Hours
<b>Required Courses</b>		
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5235	Finance Industry Academy <sup>1</sup>	3
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5060	Corporate Finance	3
MSBC 5220	Investment Management & Analysis	3
MBAX 6250	Derivative Securities	3
MBAX 6210	Applied Financial Management	3
MBAX 6260	Fixed Income Investing	3
<b>Elective Courses</b>		
Select two:		6
MBAX 6270	Applied Derivatives	
MSBX 5205	Financial Strategy and Decision Modeling	
MSBX 6290	Textual Analysis in Business	
<b>Total Credit Hours</b>		<b>30</b>

<sup>1</sup> MSBC 5235 delivers as 1.5 credits in fall and 1.5 credits in spring.

### Investment Management Track

Code	Title	Credit Hours
<b>Required Courses</b>		
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5235	Finance Industry Academy <sup>1</sup>	3
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5060	Corporate Finance	3
MSBC 5220	Investment Management & Analysis	3
MBAX 6250	Derivative Securities	3
MBAX 6210	Applied Financial Management	3
MBAX 6260	Fixed Income Investing	3
<b>Elective Courses</b>		
Select two:		6
MBAX 6270	Applied Derivatives	
MSBX 5225	Advanced Portfolio Management	
MSBX 6290	Textual Analysis in Business	
<b>Total Credit Hours</b>		<b>30</b>

<sup>1</sup> MSBC 5235 delivers as 1.5 credits in fall and 1.5 credits in spring.

Sustainable Finance Track

Code	Title	Credit Hours
Required Courses		
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5235	Finance Industry Academy <sup>1</sup>	3
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5060	Corporate Finance	3
MSBC 5220	Investment Management & Analysis	3
MBAX 6250	Derivative Securities	3
MBAX 6210	Applied Financial Management	3
MSBX 5260	Fixed Income Investing	3
Electives		
Select two:		6
MSBX 5280	Sustainable Finance (Elective Courses)	
MBAX 6815	Sustainable Real Estate	
MBAX 6720	ESG Reporting and Analysis	
Total Credit Hours		30

<sup>1</sup> MSBC 5235 delivers as 1.5 credits in fall plus 1.5 credits in the spring.

Sample Plan of Study

Year One		
Fall Semester		
		Credit Hours
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5060	Corporate Finance	3
MSBC 5235	Finance Industry Academy	1.5
MBAX 6250	Derivative Securities	3
MSBC 5220	Investment Management & Analysis	3
Credit Hours		16.5
Spring Semester		
MSBC 5235	Finance Industry Academy	1.5
MBAX 6210	Applied Financial Management	3
MBAX 6260	Fixed Income Investing	3
Two track-specific electives (see Requirements tab)		6
Credit Hours		13.5
Total Credit Hours		30

Program Tracks

Corporate Finance Track

Year One		
Fall Semester		
		Credit Hours
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5060	Corporate Finance	3

MSBC 5235	Finance Industry Academy	1.5
MSBC 5220	Investment Management & Analysis	3
MBAX 6250	Derivative Securities	3
Credit Hours		16.5
Spring Semester		
MSBX 5260	Fixed Income Investing	3
MSBC 5235	Finance Industry Academy	1.5
MBAX 6210	Applied Financial Management	3
Electives: Select two of the following courses:		6
MSBX 5205	Financial Strategy and Decision Modeling	
MSBX 6290	Textual Analysis in Business	
MBAX 6270	Applied Derivatives	
Credit Hours		13.5
Total Credit Hours		30

Investment Management Track

Year One		
Fall Semester		
		Credit Hours
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5060	Corporate Finance	3
MSBC 5220	Investment Management & Analysis	3
MSBC 5235	Finance Industry Academy	1.5
MBAX 6250	Derivative Securities	3
Credit Hours		16.5
Spring Semester		
MSBC 5235	Finance Industry Academy	1.5
MBAX 6210	Applied Financial Management	3
MBAX 6260	Fixed Income Investing	3
Electives: Select two of the following:		6
MBAX 6270	Applied Derivatives	
MSBX 5225	Advanced Portfolio Management	
MSBX 6290	Textual Analysis in Business	
Credit Hours		13.5
Total Credit Hours		30

Sustainable Finance Track

Year One		
Fall Semester		
		Credit Hours
MSBC 5015	Managerial Economics	1.5
MSBC 5020	Financial Accounting	1.5
MSBC 5031	Quantitative Methods in Finance	3
MSBC 5060	Corporate Finance	3
MSBC 5235	Finance Industry Academy	1.5
MSBC 5220	Investment Management & Analysis	3
MBAX 6250	Derivative Securities	3
Credit Hours		16.5
Spring Semester		
MSBC 5235	Finance Industry Academy	1.5

MSBX 5260	Fixed Income Investing	3
MBAX 6210	Applied Financial Management	3
Electives: select two of the following:		6
MSBX 5280	Sustainable Finance	
MBAX 6720	ESG Reporting and Analysis	
MBAX 6815	Sustainable Real Estate	
<b>Credit Hours</b>		<b>13.5</b>
<b>Total Credit Hours</b>		<b>30</b>

## Learning Outcomes

By the completion of the program, students will be able to

- Understand the core principles of financial markets and financial securities.
- Understand securities, securities markets, investment vehicles and derivative securities.
- Compare and contrast securities and portfolios of securities with different risk and return properties.
- Recognize the legal, ethical and social responsibilities of investors, investment managers and financial officers.
- Develop and demonstrate effective written and verbal communication, ensuring professional communication of financial topics.
- Using quantitative tools necessary for rigorous financial analysis, manage, analyze and interpret complex financial data for sound decision-making.
- Utilize financial mathematics and mathematical reasoning to value securities and investment opportunities, making informed business decisions.
- Apply principles of portfolio theory to investment and investment management decisions.
- Build, analyze and utilize financial models for decision-making in finance.