

# Master of Science in Finance

In only nine months, the W. P. Carey Master of Science in Finance (MS-FIN) provides depth in finance knowledge and analytical skills through a leading-edge curriculum that balances corporate finance, investment management, and financial risk management. A STEM-designated program, the MS-FIN will prepare you for a range of career opportunities as a highly skilled analyst in investment and commercial banking, asset and wealth management, and the insurance industry, as well as in typical corporate finance and treasury functions.

In addition to building expertise in finance, as an MS-FIN student, you'll have access to world-renowned faculty, motivated classmates, and personalized career resources.



“One of the most important aspects of the MS-FIN program has been the faculty. They each have a remarkable professional background or they do very interesting research. I know I'm going to take something away from every class.”

*Madison Cavanagh-Mailloux, MS-FIN 2016*

[wpcarey.asu.edu/msfin](https://wpcarey.asu.edu/msfin)

Graduate Programs  
480-965-3332  
[wpcareymasters@asu.edu](mailto:wpcareymasters@asu.edu)

## Develop a global outlook in finance and prepare for a complex market.

### \$80K

expected starting salary for  
graduates with a master's in  
finance

– GMAC Corporate Recruiters Survey 2020

### 632,400

new financial management  
jobs by 2024 – Bureau of Labor Statistics

## Accelerate your career

MS-FIN Class of 2020 graduates  
began careers with outstanding  
companies, including:

Bank of America

Equity Methods

Ernst & Young (EY)

MCA Financial Group

PwC



**U.S. News & World Report**  
No. 1 Most innovative schools  
No. 20 Finance, graduate

# Master of Science in Finance curriculum

Acquire the skills and expertise employers are looking for. The W. P. Carey Master of Science in Finance (MS-FIN) is one of the few advanced finance degrees offered by a top-ranked business school, providing access to world-class instruction of both fundamental topics in finance and the newest research findings in financial economics. Most MS-FIN students have recently received undergraduate degrees that emphasized quantitative skills.

## Financial Accounting

Study contemporary systems, with an emphasis on the interpretation and evaluation of corporate external financial reports.

## Managerial Finance

Learn contemporary finance theory and the application of analytical techniques to make optimal decisions under uncertainty.

## Quantitative Methods in Finance I

Examine properties of financial data and the basis for portfolio optimization through estimation and testing of financial factor models.

## Investment Strategies

Explore principles of risk and return, portfolio diversification, asset allocation, efficient markets, active portfolio management, and portfolio evaluation.

## Derivatives

Learn about derivative assets, such as futures, forwards, swaps, and options; financial engineering; risk management; and credit derivatives.

## STEM-designated program

The STEM designation – administered by the U.S. Immigration and Customs Enforcement agency within the Department of Homeland Security – allows eligible graduates on student visas access to an Optional Practical Training (OPT) extension, up to 36 months, as compared to 12 months for non-STEM degrees.

The longer work authorization term may help international students gain additional real-world skills and experience in the U.S.

## Quantitative Methods in Finance II

Examine data using autoregressive and vector-autoregressive models, dimension-reduction techniques motivated by latent factor models, and machine learning dimension-reducing techniques.

## Advanced Corporate Finance

Study major decision-making areas and selected topics in corporate finance, integrating microeconomic, statistical, and financial concepts.

## Fixed Income

Study major types of fixed income securities, and develop the quantitative tools for the valuation of fixed income instruments.

## Entrepreneurial Finance

Discover key established principles in the financing opportunity set available to startup firms.

## International Finance

Explore valuation and risk management in the context of real and financial international investment using discrete-time and continuous-time financial mathematics.

## Financial Risk Management

Focus on various aspects of interest rate, credit risk, and other aspects of financial risk management.

## Applied Science in Finance (Capstone)

Build and manage a comprehensive multi-asset/multi-security/multi-instrument portfolio for a given level of risk-aversion using time series analysis, portfolio optimization techniques, and other quantitative methodologies.

## Artificial Intelligence and Machine Learning

### Applications in Finance

Explore modern artificial intelligence and machine learning technologies, applications, techniques, and implications for financial decision-making.

## Prepare for the CFA exam

Accepted into the CFA University Recognition Program, the MS-FIN degree will position you to take the Chartered Financial Analyst® (CFA) exams. You'll be well on your way toward earning a CFA designation upon completing your master's program.

Recognition by the CFA Institute indicates that the MS-FIN curriculum not only reflects professional practice in the field, but also maintains high standards for academic excellence.