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-certified 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

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

14% increase

In 2018, 52% of companies planned to hire candidates with a master’s degree in finance, compared to 38% in 2017. – GMAC Corporate Recruiters Survey 2018

632,400 new financial management jobs by 2024 – Bureau of Labor Statistics

Accelerate your career

MS-FIN Class of 2018 graduates began careers with outstanding companies, including:

- Allstate Insurance
- Axway
- Credit One Bank
- Deloitte
- Dimensional Fund Advisors
- Equity Methods
- Northern Trust

U.S. News & World Report No. 1 Most innovative schools
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.

**Quantitative Methods in Finance II**
Examine data using autoregressive and vector-auto-regressive 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.

The MS-FIN program allows eligible graduates on student visas access to an Optional Practical Training (OPT) extension for up to 36 months. The STEM certification can help international students gain more real-world skills and experience in the U.S., compared to a standard 12-month F-1 visa work authorization.