FINANCE, MASTER OF SCIENCE

The Master of Science in Finance with a STEM-designated concentration in Financial Econometrics helps build the entrepreneurial capacity of students to comprehend global financial markets with its implications on local investment environments.

The Carey MS in Finance program features:

- Johns Hopkins University world-class faculty and experienced practitioners in the field of finance
- A rigorous quantitative curriculum with emphasis on computational, statistical, and econometric techniques and their role in sophisticated financial decision-making
- Strong theoretical and practical foundations in the analysis of complex financial instruments, portfolio allocation and risk management, but also in corporate finance, company valuation, and corporate governance
- A significant portion of the curriculum devoted to the CFA Institute’s Candidate Body of Knowledge, preparing our students to sit for the CFA exams
- STEM designation with OPT eligibility for full-time students

Program Requirements

The program requires 36 credits. Full-time MS Finance students must complete the program in three semesters: fall, spring, and summer. Course waivers are not granted in this program.

Curriculum

The curriculum for the MS in Finance program includes the following courses. Course sequence and availability of specific electives may vary. Students must consult with an academic advisor to ensure that they take courses in the approved sequence. All courses are 2 credits unless otherwise noted.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BU.210.620</td>
<td>Accounting and Financial Reporting</td>
<td>2</td>
</tr>
<tr>
<td>BU.120.601</td>
<td>Business Communication</td>
<td>2</td>
</tr>
<tr>
<td>BU.131.601</td>
<td>Business Leadership and Human Values</td>
<td>2</td>
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<tr>
<td>BU.231.620</td>
<td>Corporate Finance</td>
<td>2</td>
</tr>
<tr>
<td>BU.220.620</td>
<td>Business Microeconomics</td>
<td>2</td>
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<tr>
<td>BU.232.701</td>
<td>Investments</td>
<td>2</td>
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<td>BU.510.601</td>
<td>Statistical Analysis</td>
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<td>BU.232.610</td>
<td>Computational Finance</td>
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<tr>
<td>BU.232.650</td>
<td>Continuous Time Finance</td>
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<tr>
<td>BU.232.710</td>
<td>Derivatives</td>
<td>2</td>
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<tr>
<td>BU.232.640</td>
<td>Empirical Finance</td>
<td>2</td>
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<tr>
<td>BU.232.720</td>
<td>Fixed Income</td>
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<tr>
<td>BU.232.620</td>
<td>Linear Econometrics for Finance</td>
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<tr>
<td>BU.232.630</td>
<td>Non-Linear Econometrics for Finance</td>
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<tr>
<td>BU.231.790</td>
<td>Advanced Corporate Finance</td>
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<td>BU.210.650</td>
<td>Financial Statement Analysis</td>
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<td>BU.232.790</td>
<td>Advanced Hedge Fund Strategies</td>
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<td>Advanced Portfolio Management</td>
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<td>BU.520.710</td>
<td>Big Data Machine Learning</td>
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<td>BU.232.770</td>
<td>Cryptos and Blockchain</td>
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<td>BU.232.725</td>
<td>Emerging Markets</td>
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<td>BU.233.730</td>
<td>Entrepreneurial Finance</td>
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<tr>
<td>BU.230.750</td>
<td>Financial Crises and Contagion</td>
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<td>Financial Institutions</td>
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<td>BU.230.620</td>
<td>Financial Modeling and Valuation</td>
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<td>BU.232.715</td>
<td>Financial Stability</td>
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<td>Managing Financial Risk</td>
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<td>BU.231.740</td>
<td>Mergers and Acquisitions</td>
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<td>The Firm and the Macroeconomy</td>
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<td>BU.232.730</td>
<td>Wealth Management</td>
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Total Credits 36