APPLIED ECONOMICS, MS/ FINANCE CERTIFICATE

MS in Applied Economics and Certificate in Financial Management

To allow students to better exploit the strong complementary nature between finance and economics, Carey Business School and the Applied Economics Program have eliminated the overlap between the MS in Applied Economics and the Graduate Certificate in Financial Management. This enables students to earn both the MS degree and a graduate certificate for a total of 15 courses, eight at Applied Economics and seven at Carey.

Admissions Criteria for all Advanced Academic Programs (https://e-catalogue.jhu.edu/arts-sciences/advanced-academic-programs/enrollment-services/admission/)

PROGRAM SPECIFIC REQUIREMENTS

In addition to the materials and credentials required for all programs, the Master of Science in Applied Economics also requires:

- One semester of introductory microeconomics, passed with at least a B
- One semester of introductory macroeconomics, passed with at least a B
- One semester of undergraduate calculus or equivalent, passed with at least a B
- A grade in a higher level course trumps a grade in a lower level course. A B grade or higher upon repeat is not acceptable.

PREREQUISITE MATH REQUIREMENT

Those entering with only a single calculus course must take in their first semester AS.440.304 Math Methods for Economists, a three undergraduate credit, full-length course, at half tuition. The course does not count toward the degree. In order to waive the Math Methods for Economists course, evidence of multivariable calculus is required.

Program Requirements

15 courses are required - 8 Applied Economics courses and 7 courses for the Certificate.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AS.440.618</td>
<td>Microeconometrics [Cross-Section and Panel Analysis]</td>
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Electives

Select two of the following: 6

- AS.440.614 | Macroeconometrics [Time-Series Analysis]
- AS.440.615 | Macroeconomic Forecasting [Time Series Analysis]
- AS.440.616 | Bayesian Econometrics
- AS.440.617 | Financial Econometrics [Time-Series Analysis]
- AS.440.618 | Microeconometrics [Cross-Section and Panel Analysis]
- AS.440.622 | Cost-Benefit Analysis
- AS.440.624 | Computable General Equilibrium Modeling
- AS.440.625 | Machine Learning in Statistics
- AS.440.629 | Survey Research Methods
- AS.440.630 | Monetary Economics
- AS.440.631 | Finance and the Macroeconomy
- AS.440.632 | Topics in Macroeconomics and Finance
- AS.440.634 | Economic Growth
- AS.440.639 | International Finance (Open Economy Macro)
- AS.440.641 | Financial Intermediation & Financial Markets
- AS.440.643 | Economics of Investments and Financial Management
- AS.440.645 | Behavioral Economics & Finance
- AS.440.646 | Economics of Derivatives
- AS.440.650 | Environmental & Resource Economics
- AS.440.653 | Economics of the Labor Market
- AS.440.656 | Political Economy
- AS.440.658 | Industrial Organization
- AS.440.659 | Law and Economics
- AS.440.661 | Public Economics
- AS.440.663 | Development Microeconomics
- AS.440.665 | International Trade (Open Economy Micro)
- AS.440.666 | Regional Economics
- AS.440.667 | Urban Economics
- AS.440.672 | Economics of Health Care
- AS.440.684 | Game Theory
<table>
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<tr>
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<tr>
<td>BU.231.740</td>
<td>Mergers and Acquisitions</td>
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<tr>
<td>BU.231.790</td>
<td>Advanced Corporate Finance</td>
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<tr>
<td>BU.232.650</td>
<td>Continuous Time Finance</td>
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<td>BU.232.710</td>
<td>Derivatives</td>
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<tr>
<td>BU.232.720</td>
<td>Fixed Income</td>
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<td>BU.232.725</td>
<td>Emerging Markets</td>
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<td>BU.232.730</td>
<td>Wealth Management</td>
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<td>BU.232.750</td>
<td>Advanced Portfolio Management</td>
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<tr>
<td>BU.232.770</td>
<td>Cryptos and Blockchain</td>
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<tr>
<td>BU.232.790</td>
<td>Advanced Hedge Fund Strategies</td>
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<tr>
<td>BU.233.730</td>
<td>Entrepreneurial Finance</td>
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<tr>
<td>BU.510.650</td>
<td>Data Analytics</td>
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<tr>
<td>BU.520.710</td>
<td>Big Data Machine Learning</td>
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