

APPLIED ECONOMICS, MS/ INVESTMENT CERTIFICATE

MS in Applied Economics and Certificate in Investments

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 Investments. 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.

Code	Title	Credits
MS Applied Economics		
Core Courses - Required:		
AS.440.601	Microeconomic Theory	3
AS.440.602	Macroeconomic Theory	3
AS.440.605	Statistics	3
AS.440.606	Econometrics	3
AS.440.640	Financial Economics	3
Core Courses - Customizable		
Select one of the following:		3
AS.440.614	Macroeconometrics [Time-Series Analysis]	
AS.440.615	Macroeconomic Forecasting [Time Series Analysis]	
AS.440.617	Financial Econometrics [Time-Series Analysis]	

AS.440.618	Microeconometrics [Cross-Section and Panel Analysis]	
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	
Total Credits		24

Code	Title	Credits
Certificate in Investments		
Core Courses - Required:		
BU.210.620	Accounting and Financial Reporting	2
BU.231.620	Corporate Finance	2
BU.232.710	Derivatives	2
BU.232.720	Fixed Income	2
BU.232.701	Investments	2
Electives		
Select two of the following:		4
BU.210.650	Financial Statement Analysis	
BU.230.620	Financial Modeling and Valuation	
BU.230.730	Managing Financial Risk	
BU.230.750	Financial Crises and Contagion	

BU.231.710	Financial Institutions
BU.231.720	Corporate Governance
BU.231.740	Mergers and Acquisitions
BU.231.790	Advanced Corporate Finance
BU.232.725	Emerging Markets
BU.232.730	Wealth Management
BU.232.750	Advanced Portfolio Management
BU.232.770	Cryptos and Blockchain
BU.232.790	Advanced Hedge Fund Strategies
BU.233.730	Entrepreneurial Finance
BU.510.650	Data Analytics
BU.520.710	Big Data Machine Learning