

ECONOMIC ANALYSIS AND DATA SCIENCE, MS

Campus: NYC

The Department of Economics-NY at Pace University offers the Masters of Science Degree in Economic Analysis & Data Science. It uses In-person and Hybrid formats to make all courses readily available to Full-time and Part-time graduate students, both domestic and international. The mission of the Masters of Science Degree program is to provide advanced training in applied economics with a special emphasis on data analytics and economic policy analysis. The program is also STEM-designated to enable international students the opportunity to obtain OPT status and work for three years in the U.S. It offers hands-on training in quantitative reasoning tools, problem-solving, and policy analysis. We seek students who have undergraduate backgrounds in economics, the social sciences, mathematics, computer science, and health care. The goal of the program relates to the academic priorities and strategic objectives of Dyson College of Arts and Sciences and Pace University as it reflects the school's and the university's learning philosophy of fostering analytical and creative thinking that is combined with real-life experience. These cutting-edge skills are in high demand, potentially lucrative and are rewarding on the personal level. The program's mission echoes Pace University's strategic objective of preparing our graduates to become professionals in the field of economics and make positive contributions to the world of the future as economists, analysts, business leaders, and economic educators.

The program builds on the Economics Department's success in the National Federal Reserve Challenge, a competition that tests undergraduate college students' knowledge of the US economy, central banking and monetary policy. The Pace University team has the distinction of winning the first-place award six times in the national competitions in Washington D.C. We are also ranked in both second and third place in the National Fiscal Challenge in Washington, DC. The Economics Department has also distinguished itself by creating a unique emphasis on research for both undergraduate and graduate students. While in the program, our students regularly present their research findings at the Eastern Economics Association, the Worldwide Council of Undergraduate Research, the Dyson Society of Fellows, and the Economics Scholars Program of the Federal Reserve Bank of Dallas. All our students do not just study economics - they DO economics.

The Economics Department has an outstanding, diverse faculty, consisting of highly recognized educators, researchers, and practitioners. The faculty has experience in specializations which include: Public Policy Economics, Health Economics, Managerial Economics, Economics of Innovation, Labor Economics, Game Theory, Monetary Policy, and Economics of Development.

Code	Title	Credits
Required Courses		
ECO 530	Macroeconomic Analysis	3
ECO 534	Microeconomic Analysis	3
ECO 585	Applied Econometrics	3
ECO 590	Data Analytics (R and Python)	3
ECO 699	Master's Thesis or Three Public Policy Essays	3
Electives		
Choose Five Courses		15
ECO 610	Environmental and Ecological Economics and Policy	
ECO 638	Monetary Policy Analysis	
ECO 657	Applied Managerial Economics	
ECO 680	Applied Game Theory	
ECO 686	Health Economics	
ECO 687	Time Series Analysis	
ECO 688	Advanced Applied Economic Analysis	
ECO 690	Public Economic Policy Analysis	
ECO 655	Applied Economic Linear Systems	