

New Program Starts August 2020

Master of Science in Quantitative Economics

Kenneth P. Dietrich School of Arts and Sciences, Department of Economics

The intersection of economics and data science.

MS in Quantitative Economics (MQE)

The eight-month professional MQE degree leverages the strengths of Department of Economics, University of Pittsburgh, and the City of Pittsburgh.

- The **Department of Economics** trains students in rigorous economic thinking and skillful data analysis driven by “data production.”
- The **University of Pittsburgh** is internationally recognized as one of the top schools in the United States.
- The **City of Pittsburgh** is a center of educational excellence and a hub for technology as well as a vibrant place to live.

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Economics Jobs, 2018 Bureau of Labor and Statistics

- Employment of economists is projected to grow 8 percent from 2018 to 2028, faster than the average for all occupations.
- Job prospects should be best for those with a master's degree or Ph.D., strong analytical skills, and experience using statistical analysis software.
- The median annual wage for economists was \$104,340 in May 2018.

Value of a Masters Degree, 2018 Bureau of Labor and Statistics

U.S. workers with a bachelor's degree earned a median weekly salary of \$1,198, while U.S. workers with a master's degree earned a median weekly salary of \$1,434. Meanwhile, someone with a professional degree could expect to earn around \$1,884 per week.

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“Quantitative Economics” Job Postings on

- Siri Embedded Data Scientist, Apple
- Data Analyst, Central Intelligence Agency
- Quantitative Analyst, Philadelphia Eagles
- Hedge Fund Quantitative Analyst, Morgan Stanley
- Health Economics and Outcomes Research Scientist, Google
- Senior Strategy Analyst, New Balance
- Associate Economist, Moody’s Analytics
- Life Cycle Logistics Specialist, National Security Agency

(71 ads for Pittsburgh location)

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MQE graduates meet employers' demand for professionals who master analytic methods and techniques of data-driven economics.

MQE equips students with:

- quantitative, analytical, and communication skills.
- ability to identify and resolve complex economic issues.
- a broad spectrum of data-driven techniques.
- applications in the private, public, and non-profit sector.

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The Department of Economics is a top U.S. research department with leading faculty in econometrics, micro and macro economics, experimental economics and applied microeconomics.

The newly created, innovative MQE courses:

- integrate theoretical economics with modern analytics and data-driven techniques.
- emphasize the importance of effective written and oral communication.
- culminate in a capstone project with industry leaders on data design.
- are taught by full time Economics faculty.

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MQE Course Schedule

Fall 1	Individuals, Firms, and Markets	Quantitative Methods	Communicating Economic Insights
Fall 2	Incentives and Information	Economic Inference from Data	
Spring 1	Global Economics and Finance	Applications of Economic Analysis Techniques	Data Design for Economic Applications (Capstone)
Spring 2	Evidence-Based Analysis in Labor, Public and Health Economics	Big Data and Forecasting in Economics	

30 credits over two semesters.

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