

QUANTITATIVE ECONOMICS (MS)

The Department of Economics offers a Master of Science in Quantitative Economics (MSQE). The MSQE program is a professional degree that combines training in economic theory with training in quantitative methods/tools that can be used to analyze economic and other data, including “big data.”

Master of Science Requirements

At least 30 credits maintaining at least a “B” average. These 30 credits must come from required MSQE core courses.

Course	Title	Credits
Required Core Courses		
ECON 5201	Microeconomics	3
ECON 5202	Macroeconomics	3
ECON 5301	Mathematical Economics	3
ECON 5311	Applied Econometrics I	3
ECON 5312	Applied Econometrics II	3
ECON 5317	Machine Learning for Economists	3
ECON 5318	Panel Data Econometrics	3
ECON 5321	Programming and Computation with R for Economists	3
Select two graduate courses in Economics from the following:		6
ECON 5314	Causal Program Evaluation	
ECON 5315	Financial Econometrics	
ECON 5322	Open Source Programming with Python for Economists	
ECON 5323	Convex Optimization with Python	
ECON 5326	Operations Research for Economics	
Optional Courses		
ECON 5501 & ECON 5502	Writing and Communication for Economics and Business I and Writing and Communication for Economics and Business II	
Total Credits		30