

QUANTITATIVE ECONOMICS AND ECONOMETRICS MAJOR (B.S.B.)

Major in Quantitative Economics & Econometrics

Advisor: Paola Suarez-Rocabado, JH 627

The major in quantitative economics and econometrics provides the background needed to analyze economic issues, explore theories, and generate predictions using statistical procedures and mathematical models. The major incorporates a balance of economic theory, mathematical tools, and field applications, while emphasizing the development of analytical skills. The mathematical courses build the understanding of how calculus and linear algebra techniques are used to derive the main results from mathematical models of economic behavior. The economics courses support students' understanding of economic relationships between businesses, households, and government while focusing on the application of theory to practice. Students are required to take statistics and econometrics courses to learn to use data to empirically test the theories studied.

As the field of economics has evolved to emphasize technical and quantitative methods and arguments, this major provides the background recommended for students contemplating graduate study in economics and related fields or pursuing jobs in highly analytical career fields.

Quantitative Economics & Econometrics Major Requirements

To concentrate in quantitative economics & econometrics, students must earn at least a "C-" in each individual ECON and MATH course and earn at least a 2.5 grade point average for all major courses.

A maximum of one major course can be taken as an independent study.

This major cannot be taken as a double major with the Economics major (you can earn only one of those two majors).

Code	Title	Hours
MATH 1501	Calculus I - Math - Phys Sci	4
MATH 1511	Calculus II - Math - Phys Sci	4
MATH 2511	Calculus III - Math - Phys Sci	4
MATH 1611	Intro to Discrete Mathematics	3
MATH 2810	Linear Algebra - Diff Equation	4
ECON 2420	Intermediate Microeconomic Analysis	3
ECON 2421	Intermediate Macroeconomic Analysis	3
ECON 4420	Econometrics	3
2 Electives in Economics *		6
Total Hours		34

* 3000+ Level Courses