

ECONOMICS/MATHEMATICS

The major combines courses from the Mathematics department and the Economics department to give students an intense grounding in economic theory, mathematical methods, probability, and statistics. Emphasis is placed on practical economic research, such as how economics can be used to better understand contracts and competition within industries. This major particularly benefits students interested in pursuing Economics at a PhD level.

BACHELOR OF SCIENCE (BS) GENERAL OVERVIEW

Economics requirements:

- Principles of Microeconomics
- Principles of Macroeconomics
- Intermediate Microeconomics Theory
- Intermediate Macroeconomics Theory
- Introduction to Econometrics
- Two upper-division economics electives

Information Technology Program requirements:

- Introduction to Data Analytics
- Introduction to Java Programming
or Programming in Python
or Introduction to C++ Programming

Mathematics requirements:

- Calculus I, II, and III
- Linear Algebra and Differential Equations
or Mathematics of Physics and Engineering
- Probability Theory and Mathematical Statistics
or Statistical Inference and Data Analysis I and II
- Two upper-division mathematics electives

ACADEMIC OPPORTUNITIES

Progressive Master's Degree: This program allows exceptional students the opportunity to earn both a BS and MS in only five and a half years.

Economics Leadership Council: The ELC is a network of alumni and professionals who strive to connect people in the Department of Economics and encourage academic excellence. They also coordinate social events, lectures, and guest speakers throughout the year to expose students to career opportunities.

Study Abroad: Take a global approach to your studies by investigating the transformation of Middle Eastern economics in Jordan, the emergence of the Pacific Rim in Japan, or the theories produced at one of the most noted colleges in the field, the London School of Economics.

Omicron Delta Epsilon: ODE is one of the world's largest and most prestigious academic honor societies working to recognize and honor outstanding academic achievements in economics and promote closer ties between students and faculty.

USC Economics Review: The review is run by an undergraduate editorial board and aims to offer student analysis of high-level topics that is engaging and educational for the university and greater communities.