



MERRIMACK COLLEGE

SCHOOL OF LIBERAL ARTS

MATHEMATICS-ECONOMICS



The interdisciplinary Mathematics-Economics major provides students with superior analytical skills that can be applied in a wide variety of professional industries. Students will develop a better understanding of the fundamental tools and principles of economics, be familiar with how mathematics is used in developing economic principles and theories, and understand how math can be used in doing applied economic research to analyze economic and social issues. It is ideal for math students seeking to apply their math skills as well as economics and business students seeking to improve their applied analytical skills. A background in Mathematics and Economics, combined with Merrimack's core curriculum, will give students the flexibility and analytical skills to succeed and prosper in an ever-changing world.

ENGAGING COURSEWORK

A dynamic curriculum builds strong practical knowledge from introductory classes to specialized coursework.

The coursework contains in-depth mathematical content, which prepares students for advanced analytical work.

A selection of program coursework includes:

- ECO 1203 Principles of Microeconomics
- MTH 1217 Calculus
- ECO 3313 Econometrics
- CSC 1610 Problem Solving with Programming

REWARDING CAREER PATHS

The Mathematics-Economics major promotes careful reasoning along with the ability to work with abstract formulations of problem situations. As a result, its graduates are sought after for careers in finance, business, operations research, or actuarial science. In particular, the combination of mathematical rigor and applications makes it attractive to business recruiters. Modeling financial and economic phenomena mathematically has become increasingly important to securing the most prestigious positions in the financial markets. In addition to widespread professional opportunities, the major also prepares students to pursue Master's or Ph.D. programs in economics, finance, business administration, actuarial science, or public policy. It is also an appropriate preparation for law school.

PROGRAM HIGHLIGHTS

Advanced Skill Development

In addition to their strong mathematical, economic, and statistical knowledge, students will also develop their writing and oral skills. This is done by using both forms of communication to demonstrate competence within individual courses and to use those skills to describe the process and results of mathematical analysis clearly and concisely.

Senior Capstone

Students complete their program of study in senior year with a one-semester course, directed study, or directed research, which explicitly integrates mathematical and economic ideas and techniques developed in earlier coursework.



QUESTIONS?

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