

# Economics Major with a Math Concentration

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Department of Economics

Denison University

Requirements for an Economics Major with a Mathematics Concentration

A student interested in quantitative aspects of economics who wishes to work for advanced degrees in business or economics that require a strong mathematics background may pursue an Economics Major with a Mathematics Concentration. Requirements are fourteen courses distributed as follows:

Econ. 101: Introductory Macroeconomics (4 credits)

*[Note: Econ 101 is a prerequisite for Econ 102.]*

Econ. 102: Introductory Microeconomics (4 credits)

Econ. 301: Intermediate Macroeconomics (4 credits)

Econ. 302: Intermediate Microeconomics (4 credits)

Econ. 307: Introductory Econometrics (4 credits)

Econ. 419: Mathematical Macroeconomics (4 credits)

OR

Econ. 429: Mathematical Microeconomics

And three additional Economics electives, only one of which may be a 200-level course. *Beginning with the class entering Fall 2013, at least one of these elective courses must satisfy the department's writing requirement.*

[4 credits each] \* (12 credits)

\* See the Requirements for an Economics Major sheet for a complete listing of courses.



Math 123: Single Variable Calculus I (4 credits)

Math 124: Multivariable Calculus II (4 credits)

Math 231: Linear Algebra and Differential Equations (4 credits)

Math 232: Mathematical Modeling (4 credits)

And one additional course from the following: (4 credits)

Econ. 419 or 429 [*Whichever one not taken above.*]

Math 242: Applied Statistics

Math 337: Operations Research

Math 357: Vector Calculus and Fournier Analysis