Twin Cities Campus

Econometrics Minor

Economics

College of Liberal Arts

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Spring 2023
- Required credits in this minor: 46 to 48

The Econometrics minor appeals to students who plan to pursue careers related to Mathematics, Statistics, and Data Science. The minor will give students the ability to work with economic data, use estimation techniques to prove or disprove their hypothesis, and draw conclusions. Data analysis is a highly marketable skill.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required prerequisites

Principles of Micro and Macroeconomics

Take exactly 2 course(s) totaling exactly 8 credit(s) from the following:

- ECON 1101 - Principles of Microeconomics [SOCS, GP] (4.0 cr)
- ECON 1102 - Principles of Macroeconomics (4.0 cr)

Calculus I

Take exactly 1 course(s) totaling exactly 4 credit(s) from the following:

- MATH 1271 - Calculus I [MATH] (4.0 cr)

or MATH 1371 - CSE Calculus I [MATH] (4.0 cr)

or MATH 1571H - Honors Calculus I [MATH] (4.0 cr)

Minor Requirements

Students may receive no more than one undergraduate degree from the Department of Economics: a BA or a BS or a minor.

Core Course

Take exactly 1 course(s) totaling exactly 4 credit(s) from the following:

- ECON 3101 - Intermediate Microeconomics (4.0 cr)

Mathematics

Take exactly 3 course(s) totaling exactly 12 credit(s) from the following:

Calculus II

- MATH 1272 - Calculus II (4.0 cr)

or MATH 1372 - CSE Calculus II (4.0 cr)

or MATH 1572H - Honors Calculus II (4.0 cr)

- **Linear Algebra and Differential Equations**
  - MATH 2243 - Linear Algebra and Differential Equations (4.0 cr)

or MATH 2373 - CSE Linear Algebra and Differential Equations (4.0 cr)

or MATH 2574H - Honors Calculus IV (4.0 cr)

- **Multivariable Calculus**
  - MATH 2263 - Multivariable Calculus (4.0 cr)

or MATH 2374 - CSE Multivariable Calculus and Vector Analysis (4.0 cr)

Statistics

Take exactly 2 course(s) totaling exactly 8 credit(s) from the following:

Option 1

- STAT 4101 - Theory of Statistics I (4.0 cr)

STAT 4102 - Theory of Statistics II (4.0 cr)

- **Option 2**

STAT 5101 - Theory of Statistics I (4.0 cr)

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or MATH 5651 - Basic Theory of Probability and Statistics (4.0 cr)
STAT 5102 - Theory of Statistics II (4.0 cr)
or MATH 5652 - Introduction to Stochastic Processes (4.0 cr)

Econometrics
Take exactly 1 course(s) totaling exactly 4 credit(s) from the following:
•ECON 4261 - Introduction to Econometrics (4.0 cr)

Electives
Take exactly 2 course(s) totaling 6 - 8 credit(s) from the following:
•ECON 4115 - Uncertainty and Information (4.0 cr)
•ECON 4118 - Advanced Mathematical Economics (4.0 cr)
•ECON 4631 - Industrial Organization and Antitrust Policy (3.0 cr)
•ECON 4751 - Financial Economics (3.0 cr)
•ECON 4831 - Cost-Benefit Analysis (3.0 cr)

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