

Mathematical Economics (B.S.)

2024-2025 catalog

Student Name: _____ ID Number: _____

Major Requirements

Students must earn a grade of C- or better (or P) in each course that applies toward the major in Mathematical Economics. Students completing the major in Mathematical Economics are not eligible for a major in Economics, Applied Economics, or the Combined major in Economics and Business Administration or a minor in Mathematics or Economics. Students completing the major in Mathematical Economics may complete a major in Mathematics.

Term Completed/Planned	Grade	Credit	Course #	Title
_____	_____	4	ECO112	Principles of Macroeconomics (SBS)
_____	_____	4	ECO113	Principles of Microeconomics (SBS)
_____	_____	4	ECO312	Intermediate Macroeconomics
_____	_____	4	ECO313	Intermediate Microeconomics
_____	_____	4	ECO490	Research Methods in Econometrics

Complete **one (1)** introduction to statistics (MIS379 recommended), chosen from:

_____	_____	4	DST164	Introduction to Statistics (with R)
_____	_____	4	MAT163	Introductory Statistics (<i>offered infrequently</i>)
_____	_____	4	MIS379	Quantitative Methods for Business and Economics

Complete **all of** the following mathematics courses:

_____	_____	4	MAT145 and 145L: Calculus I (NSM)	
_____	_____	4	MAT146 and 146L: Calculus II (NSM)	
_____	_____	4	MAT255	Multivariable Calculus
_____	_____	4	MAT315	Linear Algebra

Complete **two (2)** upper division mathematics/statistics electives chosen from:

_____	_____	4	DST374	Mathematical Statistics
_____	_____	4	MAT370	Real Analysis
_____	_____	4	MAT373	Probability Theory
_____	_____	4	MAT465	Modeling and Differential Equations in Biological and Natural Sciences

Complete **three (3)** 4-credit upper division economics electives (ECO416 is recommended), chosen from:

_____	_____	4	ECO315	Money and Banking
_____	_____	4	ECO318	Management Science
_____	_____	4	ECO350	Labor Economics
_____	_____	4	ECO360	International Economics
_____	_____	4	ECO365	Environmental Economics
_____	_____	4	ECO370	International Economic Development
_____	_____	4	ECO399	Internship
_____	_____	4	ECO416	Mathematical Economics
_____	_____	4	ECO495	Topics
_____	_____	4	ECO499	Independent Study

Abbreviation Key: ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities