Mathematical Economics (B.S.)

2025-2026 catalog

AUGSBURG UNIVERSITY

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
		4	ECO113	Principles of Microeconomics
		4	ECO312	Intermediate Macroeconomics
		4	ECO313	Intermediate Microeconomics
		4	ECO490	Research Methods in Econometrics

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

Term Completed/Planned	Grade	Credit	Course #	Title
		4	DST164	Introduction to Statistics (with R)
		4	MAT163	Introductory Statistics (*offered infrequently*)
		4	MIS379	Quantitative Methods for Business and Economics

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

Term Completed/Planned	Grade	Credit	Course #	Title
		4	MAT145 and 145L:	Calculus I
		4	MAT146 and 146L:	Calculus II
		4	MAT255	Multivariable Calculus
		4	MAT315	Linear Algebra

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

Term Completed/Planned	Grade	Credit	Course #	Title
		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:

Term Completed/Planned	Grade	Credit	Course #	Title
		4	ECO315	Money and Banking
		4	ECO318	Management Science
		4	ECO350	Labor Economics
		4	ECO355	Sports 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