

IMPORTANT: This document is meant to serve as an example and a planning tool. It is *not* a substitute for meeting with your academic advisor. Be sure to review your course plans with your advisor and check DegreeWorks regularly to keep track of your progress toward graduation.

The course scheduling details shared here are for planning purposes only. They do not guarantee when or how often specific courses will be offered. Course offerings can change depending on faculty availability and student demand. For the most up-to-date and accurate information, always check the online course schedule and consult with your academic advisor.

Keep in mind that there are many different ways to complete a major or program of study, including opportunities like study away or other special options. Your advisor can help you design an academic pathway that best fits your goals and interests.

Econometrics & Quantitative Economics Major Pathways

Welcome to the Econometrics & Quantitative Economics Major! The major in Econometrics & Quantitative Economics requires a minimum of 56 credits, 9 core required courses and 5 electives. The 9 core courses are: ECON 101, 102 (or 103), 201, 202, 330 and MATH 101, 104, 151 (or 141 with approval), 221. One MATH course must be at the 300 level and one ECON course must be at the 400 level.

Compass Curriculum Highlights:

Courses that satisfy Quantitative Analysis:

- MATH 101 Calculus I
- MATH 104 Calculus II
- MATH 151/141 Introduction to Data Science
- MATH 202 Cryptography
- MATH 212 Differential Equations
- MATH 221 Linear Algebra
- MATH 236 Multivariable Calculus
- MATH 241 Theory of Probability
- MATH 251 Methods of Data Analysis
- MATH 261 Modeling and Simulation in R
- MATH 266 Operations Research
- MATH 342 Mathematical Statistics
- MATH 352 Machine Learning
- MATH 398 Optimization

Courses that satisfy Taylor and Lane:

- ECON 103 Introduction to Microeconomics with Health Applications
- ECON 202 Economics of Race and Racism
- ECON 241 Women in the U.S. Economy
- ECON 262 Health Economics
- ECON 288 Foundations of Political Economy
- ECON 332 Economic Development

Courses that satisfy Structures/Power/Inequality

- ECON 103 Introduction to Microeconomics with Health Applications
- ECON 222 Economics of Race and Racism
- ECON 241 Women in the U.S. Economy
- ECON 288 Foundations of Political Economy
- ECON 305 International Finance
- ECON 306 International Trade
- ECON 332 Economic Development

Econometrics & Quantitative Economics Major Pathway

Year	Fall Semester	Spring Semester	Important Notes
First	FYE	ECON 101 or ECON 102/103	- ECON 101 and ECON 102 are offered every semester - ECON 103 is offered once per year - MATH 101 and 104 are offered every semester
	ECON 101 or ECON 102/103	MATH 104	
	MATH 101		
Second	ECON 202	ECON 201	- ECON 201 is offered every spring - ECON 202 is offered every fall - MATH 151 is preferred, however MATH 141 may be substituted with Dept. approval - MATH 151 is offered every semester - MATH 221 is offered every fall
	MATH 221	MATH 151/141	
Third	ECON 200/300 Elective	ECON 330	MATH 200/300 Elective may be chosen from the following: MATH 202,212,236,241,251,261,266,302,342,352, and 398. Additional MATH courses need Dept. approval
	MATH 200/300 Elective	MATH 200/300 Elective	
Fourth	MATH 200/300	ECON 400	An ECON 400 level course will be offered every spring. You must have senior class standing to take an ECON 400 level course unless you plan to graduate early or study abroad in the spring semester of your senior year.