

## ECONOMICS – MATHEMATICAL ECONOMICS PATH - B. S.

First Year	Sophomore	Junior	Senior
<b><u>Semester 1</u></b> ECON 251 or 252 MATH 113	<b><u>Semester 1</u></b> STAT 220 or MATH 303 or MATH 313 (if taking 314 also) (fall only) ECON 351 or 352 or elective 300 or above MATH 200	<b><u>Semester 1</u></b> ECON 355 ECON 315 or 351 or 352	<b><u>Semester 1</u></b> ECON 301 or 337 or 339
<b><u>Semester 2</u></b> Econ 251 or 252 MATH 114	<b><u>Semester 2</u></b> STAT 220 or MATH 303 or MATH 314 (if taken 313) (spring only) ECON 351 or 352 MATH 210	<b><u>Semester 2</u></b> ECON 418 (Offered spring every other year) ECON 315 or Elective 300 or above	<b><u>Semester 2</u></b> Elective 300 or above ECON 418 (if not offered junior year)

### REQUIREMENTS FOR DEGREE

ECON 251 Principles of Macroeconomics  
ECON 252 Principles of Microeconomics  
ECON 315 Introduction to Econometrics  
ECON 351 Macroeconomic Theory  
ECON 352 Microeconomic Theory  
ECON 355 Game Theory  
ECON 418 Mathematical Economics

**Plus one of:**

ECON 301 History of Economic Thought  
ECON 337 Economics of the Public Sector  
ECON 339 Labor Economics

**Plus:** Eight credits elective economic courses numbered 300 and above

**Note:** Students are strongly encouraged to take 315, 351, and 352 by the end of their junior year.

**Note:** Prerequisites for ECON 315 are eight credits of Economics at the 300 or 400 level, MATH 109, 111, or 113, plus earn at least a C- in STAT 220, MATH 303, or STAT 314. **Note:** MATH 333 Applied Statistical Methods may be substituted for ECON 311.

### Allied Requirements:

One of:

MATH 109 Calculus with Review II  
MATH 111 Calculus for Business and Social Science  
MATH 113 Calculus I

*Note: Students interested in data analysis-intensive careers or an advanced degree in Economics are advised to complete additional math courses beyond what is needed for the major. For these students, the MATH 109 or MATH 113 options provide a more direct path to additional mathematics courses. Completion of this math requirement by end of sophomore year is strongly encouraged.*

Plus either:

STAT 220 Statistics I  
or MATH 303 Statistics for the Applied Sciences  
or MATH 313 Probability and MATH 314 Mathematical Statistics

Plus:

MATH 114 Calculus II  
MATH 200 Multi-Variable Calculus  
MATH 240 Linear Algebra