# ECONOMICS – MATHEMATICAL ECONOMICS PATH - B.S.

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<thead>
<tr>
<th>First Year</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
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<tr>
<td>ECON 251 or 252</td>
<td>STAT 220 or MATH 303 or ECON 315</td>
<td>elective 300 or above</td>
<td>ECON 301 or 337 or 339 or 348</td>
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<td>MATH 113</td>
<td>MATH 313 (if taking 314 also) (fall only)</td>
<td>elective 300 or above</td>
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<td>ECON 351 or 352</td>
<td>elective 300 or above</td>
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<td>MATH 200</td>
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<td><strong>Semester 2</strong></td>
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<tr>
<td>ECON 252 or 251</td>
<td>STAT 220 or MATH 303 or ECON 355</td>
<td>Elective 300 or above</td>
<td>ECON 418 (if not offered junior yr)</td>
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<td>MATH 114</td>
<td>MATH 314 (if 313 taken in fall) (spring only)</td>
<td>ECON 418 (offered spring every other year)</td>
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<td>ECON 351 or 352</td>
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<td>MATH 210</td>
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**REQUIREMENTS FOR DEGREE**

- ECON 251 Principles of Macroeconomics
- ECON 252 Principles of Microeconomics
- ECON 315 Empirical Methods in Economics
- 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
- ECON 348 International 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.)

(Allied Requirements)

- **One of:**
  - MATH 109 Calculus with Review II
  - MATH 111 Calculus for Business and Social Science
  - MATH 113 Calculus I

- **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 210 Introduction to Differential Equations and Systems

(Note: MATH 333 Applied Statistical Methods may be substituted for ECON 315)