

Mathematics for Economics Majors

Required for the BA in Economics

Track A	OR	Track B
M 115 Probability & Linear Math M 162 Applied Calculus STAT 216 Intro to Statistics		M 115 Probability & Linear Math M 171 Calculus I M 172 Calculus II STAT 216 Intro to Statistics

Track B is recommended for students who plan to attend graduate school in economics or who enjoy and are proficient at mathematics. In some cases, the Economics Department will allow you to substitute a different math class for M 115 or waive M 115.

Track B possible substitutions include:

- STAT 341 Intro to Probability & Statistics for M 115
- STAT 451 and 452 Statistical Methods I & II for STAT 216

Recommended for Students who will pursue an MA in Economics

Track B	Possible substitutions include: STAT 341 Intro to Probability & Statistics for M 115 STAT 451 and 452 Statistical Methods I & II for STAT 216 In addition, we suggest: M 221 Intro to Linear Algebra M 273 Multivariable Calculus M 307 Intro to Abstract Mathematics
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Students have been admitted to MA programs in Economics with **Track A**, but it does put you at a disadvantage in some MA classes.

Recommended for students who will pursue a PhD in Economics

We recommend that you take as much math as possible. Many economics PhD students have math degrees and several of your Economics faculty have undergraduate math degrees.

Track B	Plus (in order of importance): M 221 Intro to Linear Algebra M 273 Multivariable Calculus M 307 Intro to Abstract Math Plus any of the following: M 381 Advanced Calculus I A STAT sequence (341-421-422 or 451-452 with 457-458) M 473 Intro to Real Analysis An Optimization Sequence (361-62-63) Differential Equations (274, 311, 412) M 549 Applied Sampling Plus any other 400- or 500-level math class that you can handle.
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Mathematics for Economics Majors

Required for the Math Minor

A minor in math requires 23 credits in M, MATH or STAT courses — M courses must be numbered 115 or higher, and MATH courses must be numbered 111 or higher — and must include:

- M 162 or M 172 (needed for Economics as well)
- At least three 3- or 4-credit mathematics courses at the 300-level or above

M 172 is recommended since it is a prerequisite for many upper-division courses; however, there are enough upper-division classes with just M 162 as a prerequisite that the minor is still possible with M 162.

If you are on **Track B** for the Economics major you are already well on your way to the minor. You do the math.