

Sample Four Year Plan for Math/Econ Majors, Stats Concentration

This plan satisfies minimum requirements and assumes no previous credits in majors

Year	Fall	Interim	Spring
FY	<ul style="list-style-type: none"> ○ M 120: Calculus I ○ ○ ○ 	<ul style="list-style-type: none"> ○ 	<ul style="list-style-type: none"> ○ M 126/128: Calculus II ○ <u>One of Econ 110-121</u> ○ Statistics 212 or 263 (if needed) ○
So	<ul style="list-style-type: none"> ○ M 220: Linear Algebra ○ <u>Econ 261</u> ○ ○ 	<ul style="list-style-type: none"> ○ 	<ul style="list-style-type: none"> ○ M 262: Probability ○ S 272: Statistical Modeling ○ <u>Econ 262</u> ○
Jr	<ul style="list-style-type: none"> ○ S 322: Statistical Theory ○ M 242 or 244* or 252 (1st of 2) ○ <u>Econ Analysis, Level II</u> ○ 	<ul style="list-style-type: none"> ○ 	<ul style="list-style-type: none"> ○ Math 226 or 230 ○ M 242 or 244* or 252 (2nd of 2) ○ <u>Econ Analysis, Level II or III</u> ○
Sr	<ul style="list-style-type: none"> ○ Math Level III (balance perspectives) ○ <u>Econ 385</u> ○ <u>Econ Analysis, Level III</u> ○ 	<ul style="list-style-type: none"> ○ 	<ul style="list-style-type: none"> ○ Math 226 or 230 ○ <u>Econ Analysis, Level III</u> ○ ○

Bold courses satisfy mathematics major requirements as part of the general requirements of Calculus I and II (or equivalent), Linear Algebra, and 7 courses above Linear Algebra, including:

- a. Two of 242, 244, 252 (244 recommended for students considering graduate econ work.
- b. Courses from three of the four perspectives: axiomatic, continuous, discrete, modeling
- c. Two level III, at least one mathematics and at least one that is sequenced with a level II
- d. Maximum of two CS or Statistics courses can be counted toward the math major

Italicized courses satisfy statistics concentration requirements as adjusted for Math/Econ majors:

- a. Statistics 272 (prereq Statistics 212 or 263 or permission)
- b. Economics 385 (substitutes for required foundation Statistics 316 for Math/Econ majors)
- c. Mathematics 262 (Strongly recommended for Math majors)
- d. Statistics 322 (Prereq Statistics 272) Strongly recommended for Math majors)

Underlined courses satisfy economics major requirements as adjusted for Math/Econ majors:

- a. One of Econ 110-121
- b. Econ 261, 262
- c. Statistics 272 and Econ 385 (allowed substitute for Econ 263)
- d. Four Level II or III Economics Analysis courses, including at least two Level III
- e. *Students considering graduate work in economics are advised to take additional courses in economic analysis (including Economics 385) and mathematics (Mathematics 126 or 128, 220, 226, 230, and 244).

Sample Four Year Plan for Math/Econ Majors with MathEd

This plan satisfies minimum requirements in both areas and assumes no previous credits in majors.

Year	Fall	Interim	Spring
FY	<ul style="list-style-type: none"> ○ *M 120: Calculus I ○ ○ ○ 	<ul style="list-style-type: none"> ○ 	<ul style="list-style-type: none"> ○ *M 126/128: Calculus II ○ <u>One of Econ 110-121</u> ○ ○
So	<ul style="list-style-type: none"> ○ *M 220: Linear Algebra ○ <u>Econ 263: Economics Statistics</u>, if needed before S 272 ○ <u>Econ 261</u> ○ 	<ul style="list-style-type: none"> ○ 	<ul style="list-style-type: none"> ○ *M 232: Discrete Math ○ *S272: Statistical Modeling ○ <u>Econ 262</u> ○ <i>Ed 290</i>
Jr	<ul style="list-style-type: none"> ○ *M 244 or *M252 ○ <u>Econ Analysis, Level II</u> ○ <i>Ed 372 (1/2)</i> ○ ○ 	<ul style="list-style-type: none"> ○ <i>Ed Interim</i> 	<ul style="list-style-type: none"> ○ *M 244 or *M252 ○ <u>Econ Analysis, Level II or III</u> ○ <i>Ed 330</i> ○
Sr	<ul style="list-style-type: none"> ○ <u>Econ Analysis, Level III</u> ○ *M 262: Probability ○ <i>Ed 375 (1/2)</i> ○ ○ 	<ul style="list-style-type: none"> ○ *M 356: Geometry (sequenced from M220) 	<ul style="list-style-type: none"> ○ <i>Ed 350</i> ○ *Math Level III (Possibly <u>Econ 385</u> -petition to count for math 300 level and note that E385 is offered Fall only.) ○ <u>Econ Analysis, Level III</u> ○
9th Sem	<ul style="list-style-type: none"> ○ <i>Student Teaching plus other Ed courses</i> 	DONE	DONE

Bold courses satisfy mathematics major requirements as part of the general requirements of Calculus I and II (or equivalent), Linear Algebra, and 7 courses above Linear Algebra, including:

- a. Two of 242, 244, 252 (*244 and *252 required for teacher candidates).
- b. Courses from three of the four perspectives: axiomatic, continuous, discrete, modeling
- c. Two level III, at least one mathematics and at least one that is sequenced with a level II (*M356 is required for teacher candidates)
- d. Maximum of two CS or Statistics courses can be counted toward the math major
- e. *Teacher candidates must include Math 232, 244, 252, 262, 356 and Statistics in major.

Underlined courses satisfy economics major requirements:

- a. One of Econ 110-121
- b. Econ 261, 262
- c. Econ 263 or (Statistics 272 and Econ 385)
- d. Four Level II or III Economics Analysis courses, including at least two Level III

Italicized courses are part of the requirements for Education courses and experiences. See Education requirements.