Mathematics, Computer Science, and Statistics Department

Mathematics and Economics Combined Major Requirements

Economics-Mathematics Combined Major (16 courses)

Students considering graduate work in economics are strongly encouraged to take Mathematics 280 and Mathematics 305.

The disciplines of economics and mathematics are closely related in many respects. Economics has relied heavily on mathematical analysis in the development of economic theory, while mathematics has provided solutions to optimization and control problems posed by economists.

**Economics**
- Economics 100 Introduction to Economics
- Economics 251 Intermediate Microeconomic Theory
- Economics 252 Intermediate Macroeconomic Theory
- Economics 342 Econometrics
- Economics 344 Mathematical Economics

**Electives - 3 (at least 2 courses at the 300-400 level)**
- Economics 200+:
- Economics 300+:
- Economics 300+:

**Mathematics**
- Mathematics 135 Calculus I
- Mathematics 136 Calculus II
- Mathematics 205 Multivariable Calculus (Calculus III)
- Mathematics 217 Linear Algebra
- Mathematics 325 Probability (also offered as Statistics 325)
- Statistics 326 Mathematical Statistics OR
- Statistics 343 Time Series Analysis (also offered as Economics 343)

**Electives: (2) at the 300-400 level or Math 280.**
- Mathematics/Statistics 300+:
- Mathematics/Statistics 300+ or Mathematics 280: