

## **Mathematical Economics**

The bachelor of science in mathematical economics is an interdisciplinary program which provides students going on to strong professional or graduate schools the solid economic and mathematical training they need for such undertakings, while holding the number of required credits within reasonable limits. At least three kinds of students should be well served by such a major.

- students seeking eventually to get an M.B.A. with a quantitative orientation
- students seeking to do graduate work in economics
- students planning study or careers in modeling in the social sciences.

### **REQUIRED COURSES**

#### **Mathematics**

MATH 121, 122 Calculus I, II or Math 131

MATH 221, 224 Calculus III, Introduction to Applied Mathematics

MATH 301 Introduction to Probability and Statistics

MATH 309 Linear Algebra

One mathematics elective determined by student's needs.

#### **Economics**

ECON 101, 102 Introductory Microeconomics, Macroeconomics

ECON 301 Intermediate Microeconomics

or

ECON 303 Intermediate Microeconomics with Calculus

ECON 302 Intermediate Macroeconomics

ECON 441 Mathematical Economics or approved substitute

One course chosen from Economics 423, 425 or 709

Two economics electives