

REQUIREMENTS FOR THE BA ECONOMICS MAJOR WITH **QUANTITATIVE EMPHASIS**
UNIVERSITY OF COLORADO BOULDER

The Economics Major with Quantitative Emphasis is designed fw

II. REQUIRED MATHEMATICS COURSES

Note: Many of the following courses listed below have prerequisites. Students are responsible for completing prerequisites before enrolling in these courses.

A. Required Calculus Courses

Take all	MATH 1300	<u>Analytic Geometry and Calculus 1</u> (5 hrs.)
	MATH 2300	<u>Analytic Geometry and Calculus 2</u> (5 hrs.)
	MATH 2400	<u>Calculus 3</u> (4 hrs.) OR <u>MATH 2130 Introduction to Linear Algebra</u> (3 hrs)

Note: APPM 1350 and APPM 1360 may substitute for MATH 1300 and 2300, respectively. APPM 2350 and APPM 2360 may substitute for MATH 2400 AND 2130, respectively.

B. Mathematics, Applied Mathematics and Computer Science Courses

At least three credit hours selected from courses listed below:

MATH 2400	<u>Calculus 3</u> (4 hrs.)
MATH 2130	<u>Intro. to Linear Algebra</u> (3 hrs.)
MATH 3001	<u>Analysis 1</u> (3 hrs.)
MATH 4001	<u>Analysis 2</u> (3hrs)
MATH 4120	<u>Introduction to Operations Research</u> (3 hrs.)
MATH 3430	<u>Ordinary Differential Equation</u> (3 hrs.)
MATH 4510	<u>Introduction to Probability Theory</u> (3 hrs.)
MATH 4520	Introduction to Mathematical Statisti