

BACHELOR OF ARTS IN ECONOMICS OPTION IN MATHEMATICAL ECONOMICS AND ECONOMIC THEORY

(Code: ECONBA02)

MAJOR REQUIREMENTS CHECK SHEET

The Bachelor of Arts in Economics with an option in Mathematical Economics and Economic Theory (48 units) provides students with the tools of economic analysis with an emphasis on economic theory, economic optimization and statistics. This option is recommended for students interested in graduate study in economics.

To graduate from CSULB with a major in economics with an option in mathematical economics and economic theory, you must complete a minimum of 120 units, of which at least 40 units are upper-division, and the remaining units are General Education requirements (including 9 units in upper-division courses at CSULB), minor requirements, or electives. You must also maintain a 2.0 GPA in all of the following:

- (1) Your entire college record
- (2) All units attempted at CSULB
- (3) All courses in the major
- (4) All courses in the major completed at CSULB; and
- (5) All upper division courses in the major completed at CSULB

All courses leading to the option in mathematical economics and economic theory must be taken for a letter grade. Use this check sheet to monitor your progress toward your degree in economics, with the option in mathematical economics and economic theory.

Lower Division Requirements (21 units)

Course #	Course Title	Prerequisites
____ ECON 100 (3)*	Principles of Macroeconomics	One Foundation course
____ ECON 101 (3)*	Principles of Microeconomics	MATH 103 or equivalent
____ MATH 122 (4)	Calculus I	MATH 117 or equivalent (with a grade of C or better) ¹
____ MATH 123 (4)	Calculus II	MATH 122 (with a grade of C or better)
____ MATH 224 (4)	Calculus III	MATH 123 or 222 (with a grade of C or better)
____ MATH 247 (3)	Introduction to Linear Algebra	MATH 222 or 224 (with a grade of C or better)

* Students with upper-division status declaring the Option in Mathematical Economics and Economic Theory as a major may substitute ECON 300 for ECON 100 and 101 with departmental consent.

¹ Math pre-requisites are entered by the mathematics department, not the economics department.

UPPER DIVISION REQUIREMENTS

Economic Theory Requirements (6 units)

Course #	Course Title	Prerequisites
_____ ECON 310 (3)	Microeconomic Theory	ECON 100, 101, MATH 115 or 122 (with a grade of C or better)
_____ ECON 311 (3)	Macroeconomic Theory	ECON 100, 101, MATH 115 or 122 (with a grade of C or better)

Note: All students who declared Math Economics as a major after 5/27/05 must have a C or better in Econ 310 and 311 to graduate.

Statistics Requirements (minimum of 6 units)

Course #	Course Title	Prerequisites
_____ STAT 380 (3)	Probability and Statistics	MATH 222 or 224
_____ STAT 381 (3)	Mathematical Statistics	MATH 247, and MATH 380 or STAT 380

Advanced Theory & Quantitative Methods Requirement (3 units)

At least one of the following courses:

Course #	Course Title	Prerequisites
_____ ECON 403 (3)	Mathematical Economics	ECON 310, 311, and consent of instructor
_____ ECON 410H (3)	Advanced Microeconomics	ECON 310 & 311
_____ ECON 411H (3)	Advanced Macroeconomics	ECON 310 & 311
_____ ECON 420 (4)	Forecasting	ECON 380 & 311 or 320
_____ ECON 485 (4)	Econometrics I	ECON 310, 311, & 380
_____ ECON 486 (4)	Econometrics II	ECON 485

Elective Courses (12 units)

At least four additional upper-division courses in economics of which at least one must be taken at the 400 level. Students may take one course from the following to meet the elective requirement: MATH 364A, 485; STAT 410, 450; however, these courses will not substitute for the 400-level economics course requirement. Students **may not** take ECON 300, 366, 380, 495, or 499 to satisfy the elective requirement.

SAMPLE COURSE SELECTION – MATHEMATICAL ECONOMICS & ECONOMIC THEORY

<i>Semester 1</i>	<i>Semester 2</i>
ECON 310 OR 311 STAT 380 Gen. Ed. Upper Division Capstone Elective Elective	ECON 310 OR 311 STAT 381 ECON Upper Division Elective Gen. Ed. Upper Division Capstone Elective
<i>Semester 3</i>	<i>Semester 4</i>
Advanced Theory & Quant. Methods Class ECON Upper Division Elective ECON Upper Division Elective Gen. Ed. Upper Division Capstone Elective	ECON 400 Level Elective ECON Upper Division Elective (if needed) Elective Elective Elective