

Bachelor of Arts Degree **Mathematical Economics** 2005-2006

Department of Mathematics

638 Wachman Hall

(215) 204-7841

Chairperson: Dr. Omar Hijab

Faculty Advisor: Dr. Boris Datskovsky

<http://math.temple.edu>

- **123** credits, **90** of which must be in CST/CLA courses
- **45** credits must be upper level (UL) coursework in either CST/CLA or UL course(s) that can be credited towards the major or declared 2nd major/minor chosen in consultation with an advisor.
- Appropriate Core Curriculum requirements:
 - Traditional Core 45 Core to Core
- Minimum of 2 courses numbered 100 or above in the College of Liberal Arts (CLA) _____ _____
- The following requirements for the Mathematical Economics Major:

Math Sequence: 0045 > C073 > C074 > C085 > 0086

First Year

- Calculus I (Math C085) ♦
- Calculus II (Math 0086) ♦
- Programming (CIS C061, 0067, or 0068, or C071) ♦
- Microeconomic Principles (Econ C052) ♦

Second Year

- Calculus III (Math 0127) [prereq: Math C085 & 0086 w/ "C" or better]
- Math Elective numbered 0200 or higher* or Basic Mathematical Concepts (Math W141) [co or prereq: 0127; W141 can not be taken after Math W205 or 0247]
- Intermed. Microecon. Anal. (Econ 0201) [prereq: Econ C051, C052 both w/ "B-" or better]
- Intermed. Macroecon. Anal. (Econ 0202) [prereq: Econ C051, C052 both w/ "B-" or better]

Third Year

- Linear Algebra (Math 0147 or 0148) [prereq: one year of calculus]
- Intro to Probability (Math 0233) [prereq: Math 0086 w/ "C" or better; Co-req: Math 0127]
- Mathematical Economics (Econ 0240, or 0203, or 0510) ♦
- Introduction to Mathematical Statistics (Math 0234) [prereq: Math 0233]
- Econ Elective (0200+, with approval of Dept. Advisor)* ♦
- Math Elective numbered 0200 or higher* ♦

Fourth Year

- Introduction to Econometrics (Econ 0241) [prereq: Econ C051, C052 both w/ "B-" or better & Stat. 0022 w/ "B" or better]
- Numerical Analysis (Math 0253) [prereq: Math 0127, 0147 or 0148, & a course in computer programming]
- Economics Writing Seminar (Econ W302) [prereq: Econ 0201 and 0202]
- Math Elective numbered 0200 or higher* ♦
- Econ Elective (0200+, with approval of Dept. Advisor)* ♦

*Math 0227 and Econ 0283 cannot both be counted toward major

♦ Courses have pre- and/or co-requisites, consult course descriptions for details.

Traditional Core

For students starting as freshmen or transferring with fewer than 45 credits.

- English C050 _____
- American Culture _____
- The Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level * _____
- Foreign Language 3rd level * _____
- International Studies _____
- International Studies (non western) * _____
- Science and Technology (SA) _____
- Science and Technology (SB) _____
- Quantitative Reasoning (QA) _____
- Quantitative Reasoning (QB) _____
- Intellectual Heritage X051 _____
- Intellectual Heritage X052 _____
- Writing Intensive Elective _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

* B.A.

- 2nd level of a language + 2 IS (1 non western) or
- 3rd level/ Exempt[^] + 1 IS

Core 45 +

For students receiving 45 credits or more in transfer.

- English C050 _____
- American Culture _____
- The Arts _____
- Individual and Society _____ } 2 of the 3
- Studies in Race _____
- Science and Technology (SA or SB) _____
- Quantitative Reasoning (QA or QB) _____
- Intellectual Heritage X051 or X052 _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____
- Foreign Language _____
- International Studies _____
- International Studies (non western) _____

* B.A.

- 2nd level of a language + 2 IS (1 non western) or
- 3rd level/ Exempt[^] + 1 IS

For students who have completed an approved Associate's degree from a college that has an established transfer agreement with Temple.

Core to Core

B.A. follow traditional core foreign language/IS requirement

- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

Library Skills (TILT) www.library.temple.edu
(Must be taken in order to graduate)

[^]If English is your second language, speak with an advisor about possible exemption.
Revised 6/23/05