

B.A. Economics & Mathematics

Department of Economics & Department of Mathematics

Name: _____ BU ID: _____ Date: _____

CAS Foreign Language Requirement (4th semester proficiency is required)

☐ _____ ☐ _____ ☐ _____ ☐ _____

4th semester proficiency can be displayed via college level coursework, BU CAS proctored language placement & proficiency exams, AP, IB, or other advanced credit.

Prerequisites

☐ **EC101:** Introductory
Microeconomic Analysis

☐ **EC102:** Introductory
Macroeconomic Analysis

☐ **MA123:** Calculus I

☐ **MA124:** Calculus II

Principal Economics Courses

☐ **EC221:** Intermediate
Microeconomic Theory

☐ **EC222:** Intermediate
Macroeconomic Theory

☐ **EC223:** Statistical Analysis

☐ **EC224:** Econometric
Analysis

Economics Electives (FIVE 4-credit courses from CAS EC320-EC599, excluding EC501, 502, 507, 508, of which THREE are EC400/500 level)

☐ _____ ☐ _____ ☐ _____ ☐ _____ ☐ _____

Principal and Elective Mathematics & Computer Science Courses

☐ **CS111:** Introduction to
Computer Science 1

☐ **MA225/MA230:**
Multivariate Calculus

☐ **MA242/MA442:** Linear
Algebra

☐ **MA569:** Optimization Meth-
ods of Operations Research

Three other 4-credit courses selected from the Mathematics & Computer Science electives listed below

☐ _____ ☐ _____ ☐ _____

Electives (Note: Semester offerings may change. See the BU Bulletin Course Directory and MyBU Portal for updated info.)

300-Level Economics Courses

EC320: Economics of Less-Developed Regions
EC322: Political Economy of the Middle East
and North Africa
EC323: Behavioral Economics
EC325: The Economics of Poverty and
Discrimination in the United States
EC328: Urban and Regional Economics
EC330: European Business Environment:
Institutions and Enterprise
EC332: Market Structure and Economic
Performance
EC333: Market Organization and Public Policy
EC337: Economic Analysis of Legal Issues
EC341: Monetary and Banking Institutions
EC342: Monetary and Banking Theory
EC346: European Capital Markets
EC348: Dynamic Macroeconomics
EC356: Economics of the Labor Market

300-Level Economics Courses

EC358: Economics of Education
EC360: British Macroeconomic Policy
EC361: Economic Development of Europe:
Between Union and Disunion
EC363: Race and the Development of the
American Economy: A Global Perspective
EC364: Economic Policy: A British Perspective
EC365: Economic Institutions in Historical
Perspective
EC367: Economics of the Public Sector
EC368: Contemporary East Asian Economics
EC369: Economic Development of Latin
America
EC370: The Chinese Economy
EC371: Environmental Economics
EC372: The Irish Economy

Find additional Economics courses [here](#)

Mathematics & Computer Science Electives

MA226: Elementary Differential Equations
MA231: Honors-Level Differential Equations
MA415: Data Science in R
MA416: Analysis of Variance
MA433: Graph Theory
MA511: Introduction to Analysis 1
MA512: Introduction to Analysis 2
MA568: Statistical Analyses of Point Process
Data
MA570: Stochastic Methods of Operations
Research
MA577: Mathematics of Financial Derivatives
MA581: Probability
MA582: Mathematical Statistics
MA583: Introduction to Stochastic Processes
MA584: Multivariate Statistical Analysis
MA585: Time Series and Forecasting
CS112: Introduction to Computer Science 2

DEGREE REQUIREMENT NOTES:

- A minimum of 128 credits is required for graduation (excluding PDP, ROTC, and CAS FY and SY courses).
- Students must complete all 26 BU Hub general education requirements.
- Students are required to pursue study of a language other than English through the intermediate (fourth-semester) level or to demonstrate equivalent proficiency.
- All Principal classes counting towards the Major in Economics & Mathematics must be completed with a grade of C or higher.
- Students who declared an Economics & Mathematics major prior to Fall '23 will automatically be held to the old requirements (namely, EC201, 202, 303, and 304), but may choose to follow the new requirements if they prefer. Students who declared an Economics & Mathematics major in Fall '23 or later must follow the requirements outlined above.
- If you newly declare this major after having already taken EC201, EC202, EC203/303, and/or EC204/304, please consult an Economics advisor to determine if you need to complete additional Economics coursework for the joint major requirements.

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Academic Year	Fall Classes	Spring Classes
Academic Year	Fall Classes	Spring Classes
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Notes:

26 BU Hubs for First-Year students

Review how major elective courses fulfill the HUB [here](#)

Philosophical, Aesthetic, and Historical Interpretation

- ☐ Philosophical Inquiry and Life's Meaning _____
- ☐ Aesthetic Exploration _____
- ☐ Historical Consciousness _____

Scientific and Social Inquiry

- ☐ Scientific Inquiry I or II _____
- ☐ Social Inquiry I or II EC101, EC102
- ☐ Scientific Inquiry II or Social Inquiry II EC221/222 (SO2), MA124 (SI2)

Quantitative Reasoning

- ☐ Quantitative Reasoning I or II EC221/222/223
- ☐ Quantitative Reasoning II EC224, MA123/124/225/242

Diversity, Civic Engagement, and Global Citizenship

- ☐ The Individual in the Community _____
- ☐ Global Citizenship & Intercultural Literacy (2 units req.) EC102
- ☐ Ethical Reasoning EC101

Communication

- ☐ First Year Writing Seminar _____
- ☐ Writing Research, and Inquiry _____
- ☐ Writing-Intensive (2 units required) _____
- ☐ Oral and/or Signed Communication _____
- ☐ Digital/Multimedia Expression _____

Intellectual Toolkit

- ☐ Critical Thinking (2 units required) CS111, EC101/221/222/223/224, MA123/124/225/226/242
- ☐ Research and Information Literacy (2 units req.) _____
- ☐ Teamwork/Collaboration (2 units req.) _____
- ☐ Creativity/Innovation (2 units req.) CS111