

# B.A. Economics & Mathematics

Department of Economics & Department of Mathematics

Name: \_\_\_\_\_ BU ID: \_\_\_\_\_ Date: \_\_\_\_\_

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

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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)

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## 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**

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## 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).
- Transfer students must complete all 10 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.
- Petitions for preapproval of transfer courses must be submitted to the Academic Advisor.
- 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.

# B.A. Economics & Mathematics

Department of Economics

Name: \_\_\_\_\_ BU ID: \_\_\_\_\_

| Academic Year | Fall Classes | Spring Classes |
|---------------|--------------|----------------|
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| Academic Year | Fall Classes | Spring Classes |
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| Academic Year | Fall Classes | Spring Classes |
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|               |              |                |
| Academic Year | Fall Classes | Spring Classes |
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Notes:

## 10 BU Hub Requirements for Transfer students

Only Principal EC & MA courses are listed below

### Philosophical, Aesthetic, and Historical Interpretation

Choose one of the following:

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

### Scientific and Social Inquiry

- ☐ Scientific Inquiry I or Scientific Inquiry II

MA124 (SI2)

- ☐ Social Inquiry I or Social Inquiry II

EC101/102 (SO1),  
EC221/222 (SO2)

### Quantitative Reasoning

- ☐ Quantitative Reasoning II

CS111, EC224, MA123/124/225/242

### Diversity, Civic Engagement, and Global Citizenship

Choose one of the following:

- ☐ The Individual in the Community
- ☐ Global Citizenship & Intercultural Literacy
- ☐ Ethical Reasoning

GCI: EC102

ETR: EC101

### Communication

Choose one of the following:

- ☐ Writing, Research, and Inquiry
- ☐ Writing-Intensive

### Intellectual Toolkit

- ☐ Critical Thinking (1 unit required)

CS111, EC101/221/222/223/224,  
MA123/124/225/242

- ☐ Research and Information Literacy (1 unit req.)

- ☐ Teamwork/Collaboration (1 unit req.)

- ☐ Creativity/Innovation (1 unit req.)

CS111