MATHEMATICAL ECONOMICS (COURSE 14-2)

Economics Department (*https://catalog.mit.edu/schools/ humanities-arts-social-sciences/economics/#undergraduatetext*)

Bachelor of Science in Mathematical Economics

General Institute Requirements (GIRs)

The General Institute Requirements include a Communication Requirement that is integrated into both the HASS Requirement and the requirements of each major; see details below.

Summary of Subject Requirements	Subjects
Science Requirement	6
Humanities, Arts, and Social Sciences (HASS) Requirement [between one and three subjects can be from the Departmental Program]; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement.	8
Restricted Electives in Science and Technology (REST) Requirement [can be satisfied by 14.30, and 18.03 or 18.06 in the Departmental Program]	2
Laboratory Requirement (12 units) [is satisfied by 14.32 in the Departmental Program]	1
Total GIR Subjects Required for SB Degree	**17**

Physical Education Requirement

Swimming requirement, plus four physical education courses for eight points.

Departmental Program

Choose at least two subjects in the major that are designated as communication-intensive (CI-M) to fulfill the Communication Requirement.

Required Subjects		Units
14.01	Principles of Microeconomics	12
14.02	Principles of Macroeconomics	12
14.30	Introduction to Statistical Methods in Economics	12
14.32	Econometric Data Science	12
18.100A	Real Analysis [1]	12
18.03	Differential Equations	12
or 18.06	Linear Algebra	
Select one of the following:		12
14.12	Economic Applications of Game Theory [2]	
14.04	Intermediate Microeconomic Theory	
14.15[J]	Networks	

14.19	Market Design	
Select one of the following:		12
14.05	Intermediate Macroeconomics (CI-M)	
14.18	Mathematical Economic Modeling (CI-M)	
14.33	Research and Communication in Economics: Topics, Methods, and Implementation (CI-M)	
14.35	Why Markets Fail (CI-M)	
Select one of the following:		12
18.104	Seminar in Analysis (CI-M)	
18.504	Seminar in Logic (CI-M)	
18.784	Seminar in Number Theory (CI-M)	
Restricted Electives		
Select three additional subjects in mathematics and economics, with at least one subject in each discipline.		36
Units in Major		**144**
Unrestricted Electives		**84-96**
Units in Major That Also Satisfy the GIRs		(48-60)
Total Units Beyond the GIRs Required for SB Degree		**180**

The units for any subject that counts as one of the 17 GIR subjects cannot also be counted as units required beyond the GIRs.

[1]   Alternative versions of this subject, 18.100B, 18.100P, and 18.100Q, also satisfy this requirement.

[2]   Subject has prerequisites that are outside of the program.