Minoring and Concentrating in Economics

The Economics Department offers a HASS concentration in economics and a minor in economics. For details see the websites http://economics.mit.edu/under/ concentrate and http://economics.mit.edu/under/minors.

Undergraduate Programs in Economics

The Economics Department at MIT has a long tradition of outstanding training of undergraduate students. The unique statistical skills of the MIT undergraduate student body allow the faculty to offer a rigorous and comprehensive program utilizing that of other U.S. college or university. The Department of Economics offers three undergraduate majors: Economics, Mathematical Economics, and Computer Science, Economics, and Data Science (W53A). The latter major is to be introduced for students who wish to pursue a career in fields that deal with massive amounts of data, but who are interested in the ideas and in the applications of economics. The W53A major is jointly offered with CS and provides training for students who seek training that applies economic theories and statistical methods to a wide range of problems (such as those in industry, technology, policy, finance, and consulting).

All three majors provide training in microeconomics, macroeconomics, statistics, and econometrics. Students also have a choice of additional applied and advanced courses to draw upon from a menu that includes economic development, economic theory, health economics, industrial organization, international economics, labor economics, monetary economics, public economics, and other courses.

The Economics Department firmly believes that some experience with actual economic research is a vital component of MIT Economics training. In addition to the thesis, there are four primary channels through which undergraduate majors acquire research experience. The first is through the Project Lab which is required as part of 14.33 (Economics Research and Communication). Each student in 14.33 prepares a study of an applied economic question. Topics vary widely from the measurement of how price changes affect the quantities demanded of a product to the impact of environmental policies on the way to think helps us get answers to the most interesting and important questions in the world.

The Project Lab is a supervised research program that is open to students who have completed 14.33. The purpose is to provide an opportunity for undergraduate majors to acquire both the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The second is through the 14.33 seminar. This seminar is designed to provide students with the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The third is through the Undergraduate Research Opportunities Program (UROP). UROP is a program of the Department of Economics that provides an opportunity for undergraduate students to conduct research under the supervision of a faculty member. Students in the UROP program work closely with faculty members and graduate students to bring the technical skills of modern economics to bear on questions of economic importance. UROP positions allow undergraduates to participate in ongoing research in the Department and to meet with faculty members outside of class. They perform tasks such as gathering and analyzing economic data, writing computer programs, checking theoretical calculations, and assembling research materials.

Finally, many courses in our curriculum are designed to provide research opportunities for undergraduate students. Each summer a few students who have made contact with faculty members through various UROP projects are employed as part of research teams consisting of faculty members, graduate students, and undergraduates. There is no sure-fire way of obtaining these jobs, but UROP involvement is often a first step. Alternatively, interested students should contact faculty.

Undergraduate Programs in Economics

The Economics Department at MIT has a long tradition of outstanding training of undergraduate students. The unique statistical skills of the MIT undergraduate student body allow the faculty to offer a rigorous and comprehensive program utilizing that of other U.S. college or university. The Department of Economics offers three undergraduate majors: Economics, Mathematical Economics, and Computer Science, Economics, and Data Science (W53A). The latter major is to be introduced for students who wish to pursue a career in fields that deal with massive amounts of data, but who are interested in the ideas and in the applications of economics. The W53A major is jointly offered with CS and provides training for students who seek training that applies economic theories and statistical methods to a wide range of problems (such as those in industry, technology, policy, finance, and consulting).

All three majors provide training in microeconomics, macroeconomics, statistics, and econometrics. Students also have a choice of additional applied and advanced courses to draw upon from a menu that includes economic development, economic theory, health economics, industrial organization, international economics, labor economics, monetary economics, public economics, and other courses.

The Economics Department firmly believes that some experience with actual economic research is a vital component of MIT Economics training. In addition to the thesis, there are four primary channels through which undergraduate majors acquire research experience. The first is through the Project Lab which is required as part of 14.33 (Economics Research and Communication). Each student in 14.33 prepares a study of an applied economic question. Topics vary widely from the measurement of how price changes affect the quantities demanded of a product to the impact of environmental policies on the way to think helps us get answers to the most interesting and important questions in the world.

The Project Lab is a supervised research program that is open to students who have completed 14.33. The purpose is to provide an opportunity for undergraduate majors to acquire both the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The second is through the 14.33 seminar. This seminar is designed to provide students with the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The third is through the Undergraduate Research Opportunities Program (UROP). UROP is a program of the Department of Economics that provides an opportunity for undergraduate students to conduct research under the supervision of a faculty member. Students in the UROP program work closely with faculty members and graduate students to bring the technical skills of modern economics to bear on questions of economic importance. UROP positions allow undergraduates to participate in ongoing research in the Department and to meet with faculty members outside of class. They perform tasks such as gathering and analyzing economic data, writing computer programs, checking theoretical calculations, and assembling research materials.

Finally, many courses in our curriculum are designed to provide research opportunities for undergraduate students. Each summer a few students who have made contact with faculty members through various UROP projects are employed as part of research teams consisting of faculty members, graduate students, and undergraduates. There is no sure-fire way of obtaining these jobs, but UROP involvement is often a first step. Alternatively, interested students should contact faculty.

Undergraduate Programs in Economics

The Economics Department at MIT has a long tradition of outstanding training of undergraduate students. The unique statistical skills of the MIT undergraduate student body allow the faculty to offer a rigorous and comprehensive program utilizing that of other U.S. college or university. The Department of Economics offers three undergraduate majors: Economics, Mathematical Economics, and Computer Science, Economics, and Data Science (W53A). The latter major is to be introduced for students who wish to pursue a career in fields that deal with massive amounts of data, but who are interested in the ideas and in the applications of economics. The W53A major is jointly offered with CS and provides training for students who seek training that applies economic theories and statistical methods to a wide range of problems (such as those in industry, technology, policy, finance, and consulting).

All three majors provide training in microeconomics, macroeconomics, statistics, and econometrics. Students also have a choice of additional applied and advanced courses to draw upon from a menu that includes economic development, economic theory, health economics, industrial organization, international economics, labor economics, monetary economics, public economics, and other courses.

The Economics Department firmly believes that some experience with actual economic research is a vital component of MIT Economics training. In addition to the thesis, there are four primary channels through which undergraduate majors acquire research experience. The first is through the Project Lab which is required as part of 14.33 (Economics Research and Communication). Each student in 14.33 prepares a study of an applied economic question. Topics vary widely from the measurement of how price changes affect the quantities demanded of a product to the impact of environmental policies on the way to think helps us get answers to the most interesting and important questions in the world.

The Project Lab is a supervised research program that is open to students who have completed 14.33. The purpose is to provide an opportunity for undergraduate majors to acquire both the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The second is through the 14.33 seminar. This seminar is designed to provide students with the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The third is through the Undergraduate Research Opportunities Program (UROP). UROP is a program of the Department of Economics that provides an opportunity for undergraduate students to conduct research under the supervision of a faculty member. Students in the UROP program work closely with faculty members and graduate students to bring the technical skills of modern economics to bear on questions of economic importance. UROP positions allow undergraduates to participate in ongoing research in the Department and to meet with faculty members outside of class. They perform tasks such as gathering and analyzing economic data, writing computer programs, checking theoretical calculations, and assembling research materials.

Finally, many courses in our curriculum are designed to provide research opportunities for undergraduate students. Each summer a few students who have made contact with faculty members through various UROP projects are employed as part of research teams consisting of faculty members, graduate students, and undergraduates. There is no sure-fire way of obtaining these jobs, but UROP involvement is often a first step. Alternatively, interested students should contact faculty.

Undergraduate Programs in Economics

The Economics Department at MIT has a long tradition of outstanding training of undergraduate students. The unique statistical skills of the MIT undergraduate student body allow the faculty to offer a rigorous and comprehensive program utilizing that of other U.S. college or university. The Department of Economics offers three undergraduate majors: Economics, Mathematical Economics, and Computer Science, Economics, and Data Science (W53A). The latter major is to be introduced for students who wish to pursue a career in fields that deal with massive amounts of data, but who are interested in the ideas and in the applications of economics. The W53A major is jointly offered with CS and provides training for students who seek training that applies economic theories and statistical methods to a wide range of problems (such as those in industry, technology, policy, finance, and consulting).

All three majors provide training in microeconomics, macroeconomics, statistics, and econometrics. Students also have a choice of additional applied and advanced courses to draw upon from a menu that includes economic development, economic theory, health economics, industrial organization, international economics, labor economics, monetary economics, public economics, and other courses.

The Economics Department firmly believes that some experience with actual economic research is a vital component of MIT Economics training. In addition to the thesis, there are four primary channels through which undergraduate majors acquire research experience. The first is through the Project Lab which is required as part of 14.33 (Economics Research and Communication). Each student in 14.33 prepares a study of an applied economic question. Topics vary widely from the measurement of how price changes affect the quantities demanded of a product to the impact of environmental policies on the way to think helps us get answers to the most interesting and important questions in the world.

The Project Lab is a supervised research program that is open to students who have completed 14.33. The purpose is to provide an opportunity for undergraduate majors to acquire both the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The second is through the 14.33 seminar. This seminar is designed to provide students with the technical skills of modern economics and the research experience that has the power to change how you look at an enormous range of issues.

The third is through the Undergraduate Research Opportunities Program (UROP). UROP is a program of the Department of Economics that provides an opportunity for undergraduate students to conduct research under the supervision of a faculty member. Students in the UROP program work closely with faculty members and graduate students to bring the technical skills of modern economics to bear on questions of economic importance. UROP positions allow undergraduates to participate in ongoing research in the Department and to meet with faculty members outside of class. They perform tasks such as gathering and analyzing economic data, writing computer programs, checking theoretical calculations, and assembling research materials.

Finally, many courses in our curriculum are designed to provide research opportunities for undergraduate students. Each summer a few students who have made contact with faculty members through various UROP projects are employed as part of research teams consisting of faculty members, graduate students, and undergraduates. There is no sure-fire way of obtaining these jobs, but UROP involvement is often a first step. Alternatively, interested students should contact faculty.
Economics 14-1

The Course 14-1 Program leads to the degree of Bachelor of Science in Economics. In addition to fulfilling the General Institute Requirements, a major in Economics must complete the following subjects:

- 14.01 Principles of Microeconomics: students with a score of 5 on the Economics AP exam may choose to substitute 14.01 Micro Theory and Policy (Public Policy)
- 14.02 Principles of Macroeconomics
- 14.05 Intermediate Applied Macroeconomics (or both 14.08 and either 14.04 or 14.27)
- 14.09 Introduction to Statistical Methods in Economics (or 14.55)
- 14.33 Econometric Data Science

Economics and Society’s Toughest Problems

Should we trade race with China? Why are some countries poor and others rich? Why are the E.U. getting richer? Should the U.S. have universal health insurance? How can you follow through? What should we do about climate change? Economic Education shows you how to think about some of the toughest problems facing society — how can we get to the answers? This compulsory course will feature a series of lectures by MIT’s economic models. 14.18 and 14.33 require a term paper that analyzes a body of data on an economic question. The all-unit 14.04 full subject may be taken for credit with MIT’s data science and fieldwork requirement. Please visit our website for more information regarding the class list and the curriculum: http://economics.mit.edu/undergrad

Mathematical Economics Major (14-2)

The Course 14-2 program leads to the degree of Bachelor of Science in Mathematical Economics. In addition to fulfilling the General Institute Requirements, a major in Mathematical Economics must complete the following subjects:

- 14.08 Principles of Microeconomics: students with a score of 5 on the Economics AP exam may choose to substitute 14.01 Micro Theory and Policy (Public Policy)
- 14.09 Introduction to Statistical Methods in Economics (or 14.55)
- 14.33 Econometric Data Science

Employment Opportunities

An undergraduate major in economics opens up many possibilities for employment. Training programs in many firms — including banks, other financial institutions, and large technology, retail, and manufacturing companies — employ economists in substantial numbers.

Mathematical Economics Major (14-2)

The Course 14-2 program leads to the degree of Bachelor of Science in Mathematical Economics. In addition to fulfilling the General Institute Requirements, a major in Mathematical Economics must complete the following subjects:

- 14.01 Principles of Microeconomics: students with a score of 5 on the Economics AP exam may choose to substitute 14.01 Micro Theory and Policy (Public Policy)
- 14.08 Principles of Microeconomics
- 14.39 Introduction to Statistical Methods in Economics (or 14.55)
- 14.32 Econometric Data Science
- 15.100 Real Analysis
- One of: 14.15J
- 14.12
- 14.19
- 18.03
- 18.06 (or 18.061)
- 18.100
- 18.100P/Q
- One of:
- 18.504 Seminar in Logic
- 18.504 Seminar in Number Theory
- 18.784
- 18.821
- 18.821P
- One of:
- 18.704
- 18.784
- 18.821
- 18.821P

- One of:
- 18.704
- 18.821
- 18.821P

- One of:
- 18.04
- 18.09
- 18.10

- One of:
- 18.04
- 18.09
- 18.10

- One of:
- 18.04
- 18.09
- 18.10

Double Majoring in Economics

Students may combine 14-1 major with a major in any other institution. In order to receive two majors, students must complete the Core and the departmental requirements of both majors. Some double-major combinations are more popular than others. Course 14-1 double majors with 6, 15, and 18 are especially popular.

Double Majoring in Mathematical Economics

14-2 majors may not have a second major in Mathematics or Computer Science. Primary majors may count up to three of their economics subjects toward the eight-subject HASS requirement. Secondary majors may count up to six of their economics subjects toward the eight-subject HASS requirement.