

# Freshman Registration

## Fall 2018

### Economics major

Given the sequential nature of the economics major, students are strongly advised to begin the major as early as possible. Ideally six full semesters are required to complete the major. It is impossible for students to complete the economics major in fewer than five semesters.

Students can choose from two concentrations: policy or theory. The policy concentration is intended for the student who is primarily interested in applying economic analysis to an understanding of economic problems and policies. Mathematics is used to build an understanding of economic theory.

The theory concentration is intended for the student who wishes to begin the formal study of economic reasoning with an emphasis on mastering the analytical tools. This concentration relies on a higher level of abstraction and focuses on techniques of economic analysis rather than on the understanding of specific economic problems or institutions.

If you plan to major in Economics, you should register for the following courses as soon as possible:

	COURSE 1	COURSE 2
Semester 1	Introduction to Microeconomics (ECON-UA 2)	Mathematics for Economics I (MATH-UA 211)
Semester 2	Introduction to Macroeconomics (ECON-UA 1)	Mathematics for Economics II (MATH-UA 212)

**Students with acceptable AP, A Level, IB or equivalent credits in economics can place out of one or both of the Introductory Economics courses, but this does not reduce the total number of courses required for the major. Additional economics electives must be taken in place of these courses.**

Acceptable credits are: 4 or 5 on AP Micro or AP Macro; B or higher on the A Levels in Economics; 6 or 7 on the IB High Level in Economics. For more information, or for any other credit by examination, students should meet with a CAS advisor.

**Students with AP, A-level, IB or equivalent Calculus credits are still required to complete Mathematics for Economics I and II.**

## The Policy Concentration

The policy concentration is intended for the student who is primarily interested in applying economic analysis to an understanding of economic problems and policies. Mathematics is used to build an understanding of economic theory. The introductory and intermediate courses provide the student with a solid foundation of economic theory with an emphasis on economic applications. The elective courses allow students to focus on specific problems and topics that match their interests and career plans.

At least **10 courses** are to be taken in the Department of Economics.

In addition, all economics majors are required to take Mathematics for Economics I and Mathematics for Economics II (MATH-UA 211, 212). These two mathematics courses are designed especially for economics majors and must be taken at NYU by all economics policy majors. We strongly recommend that students take Introduction to Microeconomics (ECON-UA 2) and Mathematics for Economics I (MATH-UA 211) in the same semester to obtain the maximum benefit from these courses. Note that Mathematics for Economics I (MATH-UA 211) is a prerequisite for Mathematics for Economics II (MATH-UA 212).

### Sample Three Year Plan for Policy Concentration

	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Semester 1	Introduction to Microeconomics (ECON-UA 2)	Mathematics for Economics I (MATH-UA 211)	Any additional non-econ course	Any additional non-econ course
Semester 2	Introduction to Macroeconomics (ECON-UA 1)	Mathematics for Economics II (MATH-UA 212)	Any additional non-econ course	Any additional non-econ course
Semester 3	*International Economics (ECON-UA 238), or Urban Economics (ECON-UA 227), or Money and Banking (ECON-UA 231)	Intermediate Microeconomics (ECON-UA 10)	Any additional non-econ course	Any additional non-econ course
Semester 4	Statistics (ECON-UA 18)	Intermediate Macroeconomics (ECON-UA 12)	Any additional non-econ course	Any additional non-econ course
Semester 5	Intro to Econometrics (ECON-UA 266)	Any 200-level elective (ECON-UA 2xx)	Any additional non-econ course	Any additional non-econ course
Semester 6	Any 300-level elective (ECON-UA 3xx)	Any 300-level elective (ECON-UA 3xx)	Any additional non-econ course	Any additional non-econ course

**\* Students may take more than one of these three courses. One of them will count towards the core course requirement and the other can count towards the 200-level elective requirement.**

## The Theory Concentration

The theory concentration is intended for the student who wishes to begin the formal study of economic reasoning with an emphasis on mastering the analytical tools. This concentration relies on a higher level of abstraction and focuses on techniques of economic analysis rather than on the understanding of specific economic problems or institutions. It is particularly well suited for students who intend to pursue a Ph.D. degree in economics or higher degrees in quantitative fields such as finance.

At least **10 courses** are to be taken in the Department of Economics:

In addition all economics theory majors, who are not interested in taking additional courses in the math department, are required to take Mathematics for Economics I and Mathematics for Economics II (MATH-UA 211, 212). We strongly recommend that students take Introduction to Microeconomics (ECON-UA 2) and Mathematics for Economics I (MATH-UA 211) in the same semester to obtain the maximum benefit from these courses. Note that Mathematics for Economics I (MATH-UA 211) is a prerequisite for Mathematics for Economics II (MATH-UA 212).

### Sample Three Year Plan for Theory Concentration

	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Semester 1	Introduction to Microeconomics (ECON-UA 2)	Mathematics for Economics I (MATH-UA 211)	Any additional non-econ course	Any additional non-econ course
Semester 2	Introduction to Macroeconomics (ECON-UA 1)	Mathematics for Economics II (MATH-UA 212)	Any additional non-econ course	Any additional non-econ course
Semester 3 (FALL)	Microeconomic Theory (ECON-UA 11)	Any 200-level elective (ECON-UA 2xx)	Any additional non-econ course	Any additional non-econ course
Semester 4 (SPRING)	Macroeconomic Theory (ECON-UA 13)	Analytical Statistics (ECON-UA 20)	Any additional non-econ course	Any additional non-econ course
Semester 5 (FALL)	Introduction to Econometrics (ECON-UA 266)	Any 300-level elective (ECON-UA 3xx)	Any additional non-econ course	Any additional non-econ course
Semester 6	Any 200-level elective (ECON-UA 2xx)	Any 300-level elective (ECON-UA 3xx)	Any additional non-econ course	Any additional non-econ course

## Joint major in Economics and Mathematics

Nine economics courses in the theory concentration and nine mathematics courses are required.

### Sample Three Year Plan for Economics for the Joint Major in Economics and Mathematics

	COURSE 1	COURSE 2	COURSE 3	COURSE 4
Semester 1	Introduction to Microeconomics (ECON-UA 2)	Mathematics for Economics I (MATH-UA 211)	Any additional non-econ course	Any additional non-econ course
Semester 2	Introduction to Macroeconomics (ECON-UA 1)	Mathematics for Economics II (MATH-UA 212)	Any additional non-econ course	Any additional non-econ course
Semester 3 (FALL)	Any 200-level elective (ECON-UA 2xx)	Mathematics for Economics III (MATH-UA 213)	Any additional non-econ course	Any additional non-econ course
Semester 4 (SPRING)	Analytical Statistics (ECON-UA 20)		Any additional non-econ course	Any additional non-econ course
Semester 5 (FALL)	Microeconomic Theory (ECON-UA 11)	Introduction to Econometrics (ECON-UA 266)	Any additional non-econ course	Any additional non-econ course
Semester 6	Macroeconomic Theory (ECON-UA 13)	Any 300-level elective (ECON-UA 3xx)	Any additional non-econ course	Any additional non-econ course
Semester 7	Any 300-level elective (ECON-UA 3xx)			

Of the nine mathematics courses, the following five are required: MATH-UA 211, MATH-UA 212, MATH-UA 213, MATH-UA 140, and MATH-UA 325. Four additional courses must be completed from the following choices: MATH-UA 141, MATH-UA 224, MATH-UA 233, MATH-UA 234, MATH-UA 235, MATH-UA 240, MATH-UA 248, MATH-UA 250, MATH-UA 252, MATH-UA 262, MATH-UA 264, MATH-UA 270, MATH-UA 282, MATH-UA 326, MATH-UA 343, MATH-UA 344, or MATH-UA 363.

## Joint major in Economics and Computer Science

Nine economics courses in the theory concentration, nine computer science course, and four mathematics courses are required.

Students should choose the economics courses listed above for the Joint Major in Economics and Mathematics.

Of the nine computer science courses, the following five are required: CSCI-UA 101, CSCI-UA 102, CSCI-UA 201, CSCI-UA 202, and CSCI-UA 310. Plus four computer science electives at the 400 level. One of these electives may be replaced by Linear Algebra (MATH-UA 140), or by ECON-UA 310, ECON-UA 337, ECON-UA 365, or ECON-UA 375.

The mathematics requirements are: MATH-UA 120, MATH-UA 211, MATH-UA 212, and MATH-UA 213.

## Minor in Economics

Students may minor in economics in either concentration. Six economics courses are required for the minor.

### Minor in Economics with Policy Concentration

Students who pursue a minor in economics in the Policy Concentration should take the following courses:

- Introduction to Microeconomics (ECON-UA 2 ),  
Introduction to Macroeconomics (ECON-UA 1 ),
- Statistics (ECON-UA 18),
- International Economics (ECON-UA 238),
- any other two economics electives for which the student has the prerequisites.

### Minor in Economics with Theory Concentration

Students who pursue a minor in economics in the Theory Concentration should take the following courses:

- Introduction to Microeconomics (ECON-UA 2 ),  
Introduction to Macroeconomics (ECON-UA 1 ),
- Mathematics for Economists I and II (MATH-UA 211 and MATH-UA 212),
- Analytical Statistics (ECON-UA 20) – offered only in the Spring,
- Either Microeconomics (ECON-UA 11) in the Fall **or** Macroeconomics (ECON-UA 13) in the Spring, and
- any other two economics electives