

ECONOMICS, BS

Chair

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Faculty

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Economists analyze the internal functioning of markets and market outcomes. While modern economics focuses on market forces, markets function imperfectly in some cases and that introduces scope for policy action. Our curriculum emphasizes the application of economics to the study of public policy issues and the role of government in a market economy. Examples include analysis of international trade and relations, economic behavior in the workplace, health care, taxation, and numerous other spheres of a global economy. Students who major in economics prepare themselves for a variety of careers. Some move on to graduate study in economics and become professional economists; the majority, however, pursue careers in law, public policy, government, and many aspects of business, including banking and financial analysis, management, and marketing. Consequently, some students choose to pursue double majors and dual degrees. Further information on these programs is available in the Academic Rules and Regulations section of this catalog or in the economics department office.

The department offers both the B.A. and STEM-designated B.S. degree in economics. The B.A. has a liberal arts focus and emphasizes the applied and policy aspects of economics. The B.S. is attractive to the more mathematically oriented student.

The B.S. degree is STEM-designated and has an orientation toward the statistical and mathematical skills necessary to work as a professional economist or pursue graduate work in economics, public policy, or business. Students who want these career tracks or who want to acquire more analytical skills that can be used in a variety of careers should pursue the B.S. degree.

Student Learning Outcomes

1. Correctly define advanced/field specific level economics vocabulary
2. Correctly utilize advanced/field specific level economics vocabulary
3. Effectively identify the applications of advanced/field specific level graphical economic tools and analytic techniques
4. Independently choose and effectively utilize appropriate advanced/field specific level economic graphical analysis to policy analysis

Major Requirements

To Earn a B.S. in Economics

A student becomes an economics major after consulting with an economics advisor on a plan and course of study and bringing them

to the department office for approval. To earn a B.S. in economics, a student:

Code	Title	Credits
Completes Calculus Courses		
MAT 295	Calculus I	4
MAT 296	Calculus II	2-4
Students must achieve a C average in the two calculus courses.		
Completes 6 credits of Principles of Economics		
ECN 101	Introductory Microeconomics	3
ECN 102	Introductory Macroeconomics	3
or ECN 203	Economic Ideas and Issues	
Completes 27 credits of Upper-division Economics Courses including		
ECN 311	Intermediate Mathematical Microeconomics (not ECN 301)	3
ECN 302	Intermediate Macroeconomics	3
ECN 505	Mathematical Economics	3
ECN 521	Economic Statistics	3
ECN 522	Econometric Methods	3
Four other upper-division electives in economics		12
Upper-division electives in economics are ECN 300 or higher, (excluding ECN 301, ECN 302, ECN 303, ECN 311, ECN 365, ECN 422 and ECN 470, ECN 505, ECN 521, ECN 522), including at least two courses that have a prerequisite of:		
ECN 311	Intermediate Mathematical Microeconomics	3
ECN 302	Intermediate Macroeconomics	3
ECN 301	Intermediate Microeconomics	3
Total Credits		48-50

Additional Information

In all, 27 credits of upper-division coursework (courses numbered 300 or higher) in economics are required, in addition to the two courses in calculus, and principles of economics. In some instances, SOM majors will be allowed to substitute MAS 261 Introductory Statistics for Management and BUA 345 Business Analytics for Management Decisions for ECN 521 Economic Statistics.

The Economics Department applies a two-thirds rule to the upper-division economics courses (item 3 above). Two-thirds of the upper-division coursework must be taken at Syracuse University or its affiliate programs, such as Syracuse Abroad. In practical terms, no more than three of the upper-division courses may be taken at another college or university and applied to B.S. economics major. Because of the specialized nature of ECN 311 Intermediate Mathematical Microeconomics, ECN 505 Mathematical Economics and ECN 522 Econometric Methods, it may be difficult to find acceptable substitutes for these courses at other colleges or universities.

Graduation with a B.S. in Economics requires an overall grade point average of 2.0 or higher in the 27 credits of upper-division economics courses.

Scheduling

It is recommended that students sequence their courses in the following manner:

1. The Principles of Economics ECN 101 Introductory Microeconomics and ECN 102 Introductory Macroeconomics or ECN 101 Introductory Microeconomics and ECN 203 Economic Ideas and Issues and the

two required calculus courses, MAT 295 Calculus I and MAT 296 Calculus II, should be completed by the end of the sophomore year or earlier, and before taking ECN 311 Intermediate Mathematical Microeconomics.

2. ECN 311 Intermediate Mathematical Microeconomics and ECN 302 Intermediate Macroeconomics should be taken no later than the fall of the junior year.
3. ECN 521 Economic Statistics and ECN 522 Econometric Methods should be taken in the junior year.
4. Two of the four economics upper-division electives should be taken by the end of the junior year.

Substitutions

Courses not listed in the above plan and/or taken outside Syracuse University will not be counted toward the fulfillment of economics degree requirements except upon the approval of a petition. Such petitions should be approved before the substitution course is taken, unless it was completed while the student was regularly enrolled in the school or college in which the course was offered. For management students with a second major in economics, FIN 355 Money & Banking may be used as a substitute for ECN 481 Introduction Money & Banking. Credit is not given for both ECN 481 Introduction Money & Banking and FIN 355 Money & Banking.

Curriculum Suggestions

Students planning to enter law school after graduation may find ECN 431 Public Economics, ECN 451 Labor Economics, and ECN 481 Introduction Money & Banking, of particular interest, while those who plan to pursue graduate degrees in management may want to choose from ECN 465 International Trade Theory and Policy, ECN 481 Introduction Money & Banking, and ECN 487 Economic Growth. Students pursuing an international specialty might be interested in ECN 410 Topics in Economic Applications (Economic Development), ECN 465 International Trade Theory and Policy, and ECN 481 Introduction Money & Banking. Students preparing a public sector specialty might find ECN 431 Public Economics of particular interest. Those with a human resources interest should select ECN 451 Labor Economics. Those interested in macroeconomic theory should consider ECN 481 Introduction Money & Banking.

The School of Management allows economics majors to take one course per semester in the School of Management. These courses are counted as general electives and not as economics or arts and sciences electives.

College of Arts and Sciences Requirements

For all Arts and Sciences|Maxwell students, successful completion of a bachelor's degree in this major requires a minimum of 120 credits, 96 of which must be Arts and Sciences|Maxwell credits, completion of the Liberal Arts Core (<https://coursecatalog.syracuse.edu/undergraduate/arts-sciences/#text>) requirements, and the requirements for this major (30 credits) that are listed above.

Dual Enrollments:

Students dually enrolled in **Newhouse*** and Arts and Sciences|Maxwell will complete a minimum of 122 credits, with at least 90 credits in Arts and Sciences|Maxwell coursework and an Arts and Sciences|Maxwell major.

*Students dually enrolled in the College of Arts and Sciences|Maxwell as first year students must complete the Liberal Arts Core (<https://coursecatalog.syracuse.edu/undergraduate/arts-sciences/#text>). Students who transfer to the dual program after their first year as singly enrolled students in the Newhouse School will satisfy general

requirements for the dual degree program by completing the Newhouse Core Requirements.

Undergraduate University Requirements

The following requirements and experiences apply to all Syracuse University Undergraduate matriculated degree programs.

- IDEA Course Requirement (<https://coursecatalog.syracuse.edu/undergraduate/idea-course-requirement/>)
- First Year Seminar (<https://coursecatalog.syracuse.edu/undergraduate/courses/fys/>)