

Economics, B.A.

Degree Requirements

To receive the B.A. degree in Economics, students must complete at least 360 units, consisting of the requirements for Mathematics, Quantitative Analysis, Economic Core, Economic Electives, Senior Requirement, University Core, and a Minor.

Mathematics Prerequisites

Courses	Units
21-120 Differential and Integral Calculus	10-20
or 21-111 Differential Calculus & 21-112 and Integral Calculus	
21-256 Multivariate Analysis	9-10
or 21-259 Calculus in Three Dimensions	

Economic Theory Requirements

	Units
73-102 Principles of Microeconomics	9
or 73-104 Principles of Microeconomics Accelerated	
73-103 Principles of Macroeconomics	9
73-230 Intermediate Microeconomics	9
73-240 Intermediate Macroeconomics	9
70-340 Business Communications	9
70-345 Business Presentations	9

Quantitative Analysis Requirements

	Units
70-207 Probability and Statistics for Business Applications	9
or 36-200 Reasoning with Data	
73-265 Economics and Data Science	9
73-274 Econometrics I	9

Economics Electives (36 Units)

Students must take four economics elective courses. Economics elective courses are those numbered 73-300 or higher.

Special Electives (18 Units)

Students must take two special elective courses. Students should consult the degree audit system for courses that satisfy the special electives requirement and have the ability to petition a course not included on the sample list for consideration as a special elective.

Sample List of Special Elective Courses	Units
19-403 Policies of Wireless Systems	12
19-411 Science and Innovation Leadership for the 21st Century: Firms, Nations, and Tech	9
66-221 Topics of Law: Introduction to Intellectual Property Law	9
79-245 Capitalism and Individualism in American Culture	9
79-262 Modern China: From the Birth of Mao ... to Now	9
79-266 Russian History and Revolutionary Socialism	9
79-280 Coffee and Capitalism	9
79-283 Anthropology of Energy	9
79-288 Bananas, Baseball, and Borders: Latin America and the United States	9
79-300 History of U.S. Immigration Policy	9
79-315 The Politics of Water in Global Perspective	9
79-320 Women, Politics, and Protest	9
79-343 Education, Democracy, and the Arts	9
79-383 The History of Capitalism	9
80-136 Social Structure, Public Policy & Ethics	9

80-249	AI, Society, and Humanity	9
80-305	Game Theory	9
80-324	Philosophy of Economics	9
80-335	Social and Political Philosophy	9
80-348	Health, Human Rights, and International Development	9
84-310	Policy in a Global Economy 1: International Trade and Trade Policy	6
84-318	Politics of Developing Nations	9
84-362	Diplomacy and Statecraft	9
84-387	Remote Systems and the Cyber Domain in Conflict	9
88-411	Rise of the Asian Economies	9

Senior Work

	Units
73-497 Senior Project	12
or 73-500 Tepper College Honors Thesis I & 73-501 and Tepper College Honors Thesis II	

Note: Students in the BA in Economics who complete an Honors Thesis in economics may use 73-497 (Senior Project) as an economics elective.

Minor

In order to obtain the degree, students must complete a minor from another academic discipline. For students electing to complete an additional major or dual degree, the minor is waived.

University Core

As part of all Tepper School undergraduate degrees, students must complete general education coursework in the liberal arts and sciences. These courses connect students to the vast array of academic disciplines offered at CMU and offer an opportunity for students to explore intellectual interests in new ways to meet their academic goals.

The University Core offers deliberative choice in selecting courses to meet the general education that aligns with university competencies. Students select courses from particular CMU departments and two courses as free electives. External transfer courses can be used to fulfill University Core Requirements 2-5.

University Core Requirement 1: CMU First Year Writing (9 units)

Semester Long Writing Course:

- 76-101 Interpretation and Argument
- 76-102 Advanced First Year Writing: Special Topics

OR Select 2 Mini Writing Courses:

- 76-106 Writing about Literature, Art and Culture
- 76-107 Writing about Data
- 76-108 Writing about Public Problems

University Core Requirement 2: Scientific Reasoning (9+ units)

- Any Biological Sciences course 03-100 or higher
- Any Chemistry course 09-100 or higher
- Any Computational Biology course 02-100 or higher
- Any Computer Sciences course 15-100 or higher
- Any Physics course 33-100 or higher
- Any Psychology course 85-102 or higher
- Any Robotics course 16-100 or higher

University Core Requirement 3: Information Literacy (9+ units)

- Any Philosophy course 80-100 or higher
- Any Information Systems course 67-100 or higher
- Any Social and Decision Science course 88-100 or higher

University Core Requirement 4: Global, Cultural, and Diverse Perspectives (18+ units)

- Any History course 79-100 or higher
- Any English course 76-200 or higher
- Any Institute for Strategy and Technology course 84-001 or higher
- Any Languages, Cultures, and Applied Linguistics course 82-100 or higher

Please note that this requirement requires at least 18 units (two or more classes) to complete.

University Core Requirement 5: Free Electives (18+ units)

Any Carnegie Mellon academic course excluding Business (70-xxx), Economics (73-xxx), Physical Education (69-xxx), StuCo [Student-Led] (98-xxx), 21-270 Introduction to Mathematical Finance, or any other course within the primary major's curriculum requirements.

Core @ Carnegie Mellon

All undergraduate students are required to take 99-101 (<http://coursecatalog.web.cmu.edu/search/?P=99-101>) Core @ Carnegie Mellon to graduate (completed during the first year).