ECONOMICS, B.A.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatetext) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF ARTS (B.A.)

Students pursuing a bachelor of arts degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either a bachelor of arts or a bachelor of science curriculum.

BACHELOR OF ARTS DEGREE REQUIREMENTS

Mathematics
- Complete the University General Education Requirements for Quantitative Reasoning A (QR-A) and Quantitative Reasoning B (QR-B) coursework.

Foreign Language
- Complete the fourth unit of a foreign language; OR
- Complete the third unit of a foreign language and the second unit of an additional foreign language.

L&S Breadth
- 12 credits of Humanities, which must include 6 credits of literature; and
- 12 credits of Social Science; and
- 12 credits of Natural Science, which must include one 3+ credit Biological Science course and one 3+ credit Physical Science course.

Liberal Arts and Science Coursework
- Complete at least 108 credits.

Depth of Intermediate/Advanced work
- Complete at least 60 credits at the intermediate or advanced level.

Major
- Declare and complete at least one major.

Total Credits
- Complete at least 120 credits.

UW-Madison Experience
- • 30 credits in residence, overall; and
- • 30 credits in residence after the 86th credit.

Quality of Work
- • 2.000 in all coursework at UW–Madison
- • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

OPTIONS IN THE MAJOR

The department offers two major options. Students may declare only one option and must complete all requirements including Residence and Quality of Work standards. Options are:

Option A: Economics provides a well-rounded major in economics that is valuable for employment following graduation, or subsequent graduate work in business, law, public policy, and related disciplines.

Option B: Economics—Mathematical Emphasis provides students with the mathematical and statistical background needed for in-depth study of the analytical aspects of economics. Its requirements are designed to prepare students for graduate study in economics and related fields, or for careers as professional economists in business or government. For specific Mathematical Emphasis requirements, see the section below (p. 3).

REQUIREMENTS FOR THE ECONOMICS MAJOR

MATH AND STATISTICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 221</td>
<td>Calculus and Analytic Geometry I</td>
<td>5-10</td>
</tr>
<tr>
<td>or MATH 211</td>
<td>Calculus</td>
<td></td>
</tr>
<tr>
<td>or MATH 275</td>
<td>Topics in Calculus I</td>
<td></td>
</tr>
</tbody>
</table>
MATH 171 & MATH 217  Calculus with Algebra and Trigonometry I and Calculus with Algebra and Trigonometry II

Statistics (complete one):  3-4
- ECON 310  Statistics: Measurement in Economics (Recommended)
- STAT 302  Accelerated Introduction to Statistical Methods
- ECON 400  Introduction to Applied Econometrics
- ECON 410  Introductory Econometrics
- MATH/STAT 309  Introduction to Probability and Mathematical Statistics I
- STAT 311  Introduction to Theory and Methods of Mathematical Statistics I
- STAT 324  Introductory Applied Statistics for Engineers
- STAT 340  Data Science Modeling II

Total Credits  8-14

ECONOMICS  30 credits to include:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101</td>
<td>Principles of Microeconomics and Principles of Macroeconomics</td>
<td>4-8</td>
</tr>
<tr>
<td>ECON 102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 111</td>
<td>Principles of Economics-Accelerated Treatment</td>
<td>4-8</td>
</tr>
<tr>
<td>ECON 301</td>
<td>Intermediate Microeconomic Theory and Intermediate Macroeconomic Theory</td>
<td>6-8</td>
</tr>
<tr>
<td>ECON 302</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 311</td>
<td>Intermediate Microeconomic Theory - Advanced Treatment and Intermediate Macroeconomic</td>
<td>6-8</td>
</tr>
<tr>
<td>ECON 312</td>
<td>Theory - Advanced Treatment (Honors Econ.)</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>6-14</td>
</tr>
</tbody>
</table>

Complete any Core econ course not used above or one of these courses:
- ECON/ FINANCE 300  Introduction to Finance
- ECON/ HIST SCI 305  Development of Economic Thought
- ECON/A A E/ REAL EST/ URB R PL 306  The Real Estate Process
- ECON 309  Study Abroad in Intermediate Economics
- ECON 315  Data Visualization for Economists
- ECON/ FINANCE 320  Investment Theory
- ECON 321  Sports Economics
- ECON 330  Money and Banking
- ECON/A A E/ ENVIR ST 343  Environmental Economics
- ECON 355  The Economics of Growing-up and Getting Old
- ECON 364  Survey of International Economics
- ECON 370  Economics of Poverty and Inequality
- ECON/A A E 371  Energy, Resources and Economics
- ECON 390  Contemporary Economic Issues

1. Two Core ECON courses:
### Requirements for the Mathematical Emphasis:

**View as list**


### Footnotes

1. At least two core ECON courses must be taken in residence at UW–Madison, and not via transfer or a UW–Madison Study Abroad program.

2. Intermediate and Advanced level ECON courses are Upper Level in the major.

### University Degree Requirements

**Total Degree**

To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.

**Residency**

Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. "In residence" credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.

**Quality of Work**

Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

### Requirements for the Mathematical Emphasis:

**View as list**

- ECON/REAL EST/ Urban and Regional Economics
- ECON/REAL EST/ URB R PL 420
- ECON/A AE 421 Economic Decision Analysis
- ECON/ENVIR ST/ POLI SCI/ URB R PL 449
- ECON 465 The American Economy to 1865
- ECON/HISTORY 466 The American Economy Since 1865
- ECON/A AE 473 Economic Growth and Development in Southeast Asia
- ECON/A AE 474 Economic Problems of Developing Areas
- ECON/A AE 477 Agricultural and Economic Development in Africa
- ECON/PHILOS 524 Philosophy and Economics
- ECON/A AE 526 Quantitative Methods in Agricultural and Applied Economics
- ECON/A AE 531 Natural Resource Economics
- ECON/REAL EST/ URB R PL 641 Housing Economics and Policy
- ECON/SOC 663 Population and Society
- ECON/A AE/ ENVIR ST/ URB R PL 671 Energy Economics

**Total Credits** 30