Economic analysis is no longer relegated to academicians and a small number of PhD-trained specialists. Instead, economics has become an increasingly ubiquitous and rapidly changing line of inquiry that requires people with the specialized skills to analyze and interpret economic data, and the ability to make decisions about national and global markets and policy. Such skills are a vital part of everything from health care to fiscal policy, from foreign aid to the environment, and from financial risk to real risk.

The Master of Science in Applied Economics program develops skills in economic reasoning and in constructing and estimating economic models through the use of econometrics and other quantitative techniques. This is accomplished by a rigorous and demanding curriculum and a talented and dedicated staff of instructors. The program comprises 10 courses, with classes offered at the Johns Hopkins Bloomberg Center at 555 Pennsylvania Avenue NW in Washington, D.C., and online.

Admissions Criteria for All Advanced Academic Programs

Program-Specific Requirements

In addition to the materials and credentials required for all programs, the Master of Science in Applied Economics program also requires:

- Resume
- Statement of purpose: Please provide a statement, up to one page in length, describing your personal background and/or a part of your life experience that has shaped you or your goals. Feel free to elaborate on personal challenges and opportunities that have influenced your decision to pursue a graduate degree at Johns Hopkins.
- Two letters of recommendation
- Program-specific prerequisite courses:
  - One semester of introductory microeconomics, passed with at least a B
  - One semester of introductory macroeconomics, passed with at least a B
  - One semester of undergraduate statistics, passed with at least a B
  - One undergraduate course that covers multivariate calculus, passed with at least a B

Program Requirements

Students in the MS in Applied Economics program must complete:

- Three required core courses
- One customizable core course
- Six elective courses (students can seek approval to take up to two of the elective courses in Johns Hopkins programs outside of the Applied Economics program).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS.440.601</td>
<td>Microeconomic Theory</td>
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<tr>
<td>AS.440.602</td>
<td>Macroeconomic Theory</td>
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</tr>
<tr>
<td>AS.440.606</td>
<td>Econometrics</td>
<td>3</td>
</tr>
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</table>

Core Courses - Customizable:

Select one of the following:

- AS.440.614 Macroeconometrics [Time-Series Analysis]
- AS.440.615 Macroeconomic Forecasting [Time Series Analysis]
- AS.440.617 Financial Econometrics [Time-Series Analysis]
- AS.440.618 Microeconometrics [Cross-Section and Panel Analysis]

Electives

Select six of the following:

- AS.440.614 Macroeconometrics [Time-Series Analysis]
- AS.440.615 Macroeconomic Forecasting [Time Series Analysis]
- AS.440.616 Bayesian Econometrics
- AS.440.617 Financial Econometrics [Time-Series Analysis]
- AS.440.618 Microeconometrics [Cross-Section and Panel Analysis]
- AS.440.622 Cost-Benefit Analysis
- AS.440.624 Computable General Equilibrium Modeling
- AS.440.625 Machine Learning in Statistics
- AS.440.629 Survey Research Methods
- AS.440.630 Monetary Economics
- AS.440.631 Finance and the Macroeconomy
- AS.440.632 Topics in Macroeconomics and Finance
- AS.440.634 Economic Growth
- AS.440.639 International Finance (Open Economy Macro)
- AS.440.640 Financial Economics
- AS.440.641 Financial Intermediation & Financial Markets
- AS.440.643 Economics of Investments and Financial Management
- AS.440.645 Behavioral Economics & Finance
- AS.440.646 Economics of Derivatives
- AS.440.650 Environmental & Resource Economics
- AS.440.653 Economics of the Labor Market
- AS.440.656 Political Economy
- AS.440.658 Industrial Organization
- AS.440.659 Law and Economics
- AS.440.661 Public Economics
- AS.440.663 Development Microeconomics
- AS.440.665 International Trade (Open Economy Micro)
- AS.440.666 Regional Economics
- AS.440.667 Urban Economics
Optional Thesis (AS.440.692)

Students may undertake their own research project as an 11th program course for three additional credits at full tuition. Prior to proposing a project, interested students must clearly identify a research topic and submit a formal proposal for review and approval to the Thesis Research Committee, to be received no later than two months prior to the beginning of the term in which the student plans to enroll in the course. The proposal must follow the Applied Economics Thesis Guidelines, which can be obtained by contacting the program director.

The committee will help identify a mentor who is familiar with the student's prospective inquiry and is willing to provide guidance and oversee the project. The mentor must be faculty teaching at the Johns Hopkins University, but the availability of a mentor cannot be guaranteed. Students must meet with the mentor periodically for discussion of the project's progress, onsite or online, and must complete a research paper, to be approved by the mentor and the committee.

Enrollment of the student is undertaken by the program director.

Prerequisites: All four core courses and Microeconometrics or Macroeconometrics, and one or more Applied Economics courses in the substantive area of the proposed research, plus a strong academic record (at least B+ average) in at least eight program courses.