

Certificate in Economic Theory and Quantitative Methods

The department offers a **Certificate in Economic Theory and Quantitative Methods** to qualified undergraduates. This certificate provides a solid background for students planning to pursue graduate studies in economics. The development of modern economics relies substantially on quantitative methods, thus a serious knowledge in statistics and mathematics is essential to a successful performance in graduate school. Such preparation is also becoming increasingly relevant in the workforce and in a variety of areas such as business administration, finance, operations research, demography, and epidemiology.

Course Requirements

To qualify for the certificate, students must complete:

- **One Year of College Calculus** (MATH 124, 125, 126 or equivalent)
- **Two Advanced Theory Courses** as follows:
 - ECON 400 – Advanced Microeconomics
 - ECON 401 – Advanced Macroeconomics
- And **Two Courses** from the following list:
 - ECON 424 – Computational Finance & Financial Econometrics
 - ECON 481 – Introduction to Mathematical Statistics
(Equivalent statistics course may be substituted with advisor's approval)
 - ECON 482 – Econometric Methods
 - ECON 483 – Applied Econometric Modeling
 - ECON 485 – Game Theory with Applications in Economics
 - ECON 486 – Economics of Information

Grade Requirements

Students must earn minimum grades of 2.8 in **both** ECON 400 and ECON 401, and a grade point average of at least 2.8 for all four classes.

Note: Students are urged, though not required, to take the honors sections of Intermediate Microeconomics (ECON 300) and Intermediate Macroeconomics (ECON 301).

Application Procedure

When you have completed the required classes,

1. Fill out the application on the back of this form. Please remember to print your name clearly as you wish it to appear on the certificate. Include your permanent mailing address and give the date of signature.
2. Obtain an **unofficial transcript** from the Gateway Center in Mary Gates Hall or print one on MyUW.
3. Return your application and unofficial transcript to the Advising Office, Department of Economics, Box 35330, Savery 305, University of Washington, Seattle, WA 98195.

UNIVERSITY OF WASHINGTON
Department of Economics

CERTIFICATE IN ECONOMIC THEORY AND QUANTITATIVE METHODS
APPLICATION

Name _____ Student Number _____
(Please print your name as you wish it to appear on the certificate.)

<u>Class</u>	<u>Quarter/Year</u>	<u>Grade</u>
MATH 124*	_____	_____
MATH 125*	_____	_____
MATH 126*	_____	_____
* or equivalent Calculus classes		
ECON 400	_____	_____
ECON 401	_____	_____
ECON _____	_____	_____
ECON _____	_____	_____

Average grade for the four ECON classes: _____

Return application and unofficial transcript to:

Undergraduate Advisor,
Department of Economics,
University of Washington
Savery 305, Box 353330
Seattle, WA 98195

Signature: _____

Date of Signature: _____

Permanent Address: _____

City, State Zip: _____

Email Address: _____

Please note:

Certificates are issued by the Department of Economics. This information is not posted on your University transcript. Certificates are printed on an irregular schedule, so there may be a delay between your date of application and receipt of your certificate.