

APPLIED ECONOMICS, PHD

Combining the faculties of the departments of Real Estate and Business Economics & Public Policy, Wharton's Applied Economics program leverages the breadth and depth of its faculty to prepare students for careers doing frontier theoretical and empirical research. Students can focus on a variety of areas including Behavioral Economics, Development Economics, Energy and Environmental Economics, Industrial Organization, Market Design, Public Economics, Risk Management, and Urban Economics and Real Estate. Students may also develop an inter-disciplinary focus by taking courses and working with faculty in some of the other departments at Wharton such as Finance, Health Care Management, Management, and Marketing.

For more information: <https://doctoral.wharton.upenn.edu/programs-of-study/applied-economics/>

View the University's Academic Requirements for PhD Degrees (<http://catalog.upenn.edu/pennbook/academic-rules-phd/>).

Required Courses

The course of study for the Ph.D. in Applied Economics requires the completion of 15 graduate course units. The common core consists of 3 theory courses and 3 statistics/econometrics courses. Students are also expected to master two field areas by passing two courses in each (total of 4 courses units). The remaining course units necessary to achieve 15 are split between the mandatory graduate student research seminars and other electives.

Code	Title	Course Units
Core Requirements		
<i>Microeconomics</i>		
ECON 701	Microeconomic Theory I	
ECON 703	Microeconomic Theory II	
<i>Macroeconomics</i>		
Select one of the following:		
ECON 702	Macroeconomic Theory I	
ECON 704	Macroeconomic Theory II	
FNCE 924	Intertemporal Macroeconomics and Finance	
<i>Econometrics/Statistics</i> ¹		
Select three of the following:		
ECON 705	Econometrics I: Fundamentals	
FNCE 926	Empirical Methods in Corporate Finance	
ECON 721	Econometrics III: Advanced Techniques of Cross-Section Econometrics	
	or ECON 706 Econometrics II: Methods & Models	
BEPP 911	Empirical Public Policy	
BEPP 931	Numerical Methods in Economics	
Field Requirements		
Select four courses		
<i>Development Economics</i>		
BEPP 941	Development Economics	
<i>Industrial Economics and Business Regulation</i>		
BEPP 987	Industrial Organization and Competition Policy	

HCMG 902	Special Topics in Health Economics: The Industrial Organization of Health Care
ECON 781	Empirical Methods for Industrial Organization
<i>Market Design</i>	
BEPP 971	Market Design
<i>Public Economics and Political Economy</i>	
BEPP 933	Public Economics: Social Insurance and Government Expenditures
HCMG 903	Economics of Health Care and Policy
ECON 750	Public Economics
ECON 751	Public Economics II
<i>Urban Economics and Real Estate</i>	
REAL 945	Urban Real Estate Economics
REAL 946	Advanced Topics in Urban Economics
REAL 947	Advanced Real Estate and Urban Economics
<i>Behavioral Economics</i>	
BEPP 904	Experimental Economics
OIDD 900	Foundations of Decision Processes
OIDD 904	Experimental Economics
Workshops ²	
BEPP 900	Research Seminar
BEPP 962	Applied Economics Seminar
Electives	
Select three additional electives	
¹	Students may also take STAT 921, STAT 520, and STAT 521.
²	Taken in the Spring and Fall of years 2 and 3 for 0.5 cu each

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2020 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.