

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 Rules for PhD Programs (<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 7100	Microeconomic Theory I	
ECON 7110	Microeconomic Theory II	
<i>Macroeconomics</i>		
Select one of the following:		
ECON 7200	Macroeconomic Theory I	
ECON 7210	Macroeconomic Theory II	
FNCE 9240	Intertemporal Macroeconomics and Finance	
<i>Econometrics/Statistics</i> ¹		
Select three of the following:		
ECON 7300	Econometrics I: Fundamentals	
FNCE 9260	Empirical Methods in Corporate Finance	
ECON 8310	Econometrics III: Advanced Techniques of Cross-Section Econometrics	
	or ECON 731 Econometrics II: Methods & Models	
BEPP 9110	Empirical Public Policy	
BEPP 9310	Numerical Methods in Economics	
Field Requirements		
Select four courses		
<i>Development Economics</i>		
BEPP 9410	Development Economics	
<i>Industrial Economics and Business Regulation</i>		
BEPP 9870	Industrial Organization and Competition Policy	

HCMG 9020	Special Topics in Health Economics: The Industrial Organization of Health Care
ECON 8450	Empirical Methods for Industrial Organization
<i>Market Design</i>	
BEPP 9710	Market Design
<i>Public Economics and Political Economy</i>	
BEPP 9330	Public Economics: Social Insurance and Government Expenditures
HCMG 9030	Economics of Health Care and Policy
ECON 8410	Public Economics
ECON 8411	Public Economics II
<i>Urban Economics and Real Estate</i>	
REAL 9450	Urban Real Estate Economics
REAL 9460	Advanced Topics in Urban Economics
REAL 9470	Advanced Real Estate and Urban Economics
<i>Behavioral Economics</i>	
BEPP 9040	Experimental Economics
OIDD 9000	Foundations of Decision Processes
OIDD 9040	Experimental Economics
Workshops ²	
BEPP 9000	Research Seminar
BEPP 9620	Applied Economics Seminar
Electives	
Select three additional electives	

¹ Students may also take STAT 9210, STAT 5200, and STAT 5210.

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 2023 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.