

# Natural Resource Economics

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## Degrees Offered

- Doctor of Philosophy in Natural Resource Economics

The Ph.D. degree is the most advanced degree offered and prepares candidates for work at the highest level of the profession as a faculty member, staff in a research organization or governmental and non-governmental agencies, or as a consultant.

A candidate for the Ph.D. degree in Natural Resource Economics must meet all University, College, Division, and Program requirements as outlined in the WVU Graduate catalog.

## Program Requirements

The requirements for obtaining a Ph.D. degree in Natural Resource Economics are outlined in the graduate handbook available on-line at <http://resourcemanagement.wvu.edu/>. All Ph.D. degree candidates are required to follow a planned program of study. The student develops this plan of study in conjunction with the graduate committee. The plan must be approved by the Director of the Division and the Associate Dean for Academic Affairs of the Davis College.

### Required Courses

ARE 621	Quantitative Methods in Resource Economics	3
ECON 701	Advanced Micro-Economic Theory 1	4
ECON 711	Advanced Micro-Economic Theory 2	4
ECON 721	Mathematical Economics	3
ECON 725	Econometrics 1	3
ARE 703	Advanced Natural Resource Economic Theory	3
ARE 710	Advanced Environmental Economics	3
ECON 726	Econometrics 2	3
ECON 727	Econometrics 3	3
or ARE 729	Spatial Econometrics	
<b>Required Field (select one of the following):</b>		<b>6</b>
Economic Development and Regional Economics		
ARE 540	Rural and Regional Development	
ARE 542	International Agricultural Economic Development	
ECON 751	International Trade	
ECON 754	Comparative Economic Systems	
ECON 761	Advanced Regional Economics	
ECON 762	Advanced Urban Economics	
Spatial Economic Analysis		
ARE 729	Spatial Econometrics	
ECON 727	Econometrics 3	
ECON 761	Advanced Regional Economics	
RESM 575	Spatial Analysis for Resource Management	
Macroeconomics		
ECON 702	Advanced Macro-Economic Theory 1	
ECON 712	Advanced Macro-Economic Theory 2	
<b>Seminar</b>		<b>1</b>
ARE 796	Graduate Seminar	
<b>Research</b>		<b>1</b>
ARE 797	Research	
<b>Teaching Practicum</b>		<b>1</b>
ARE 690	Teaching Practicum	
<b>Qualifying Exam</b>		

**Mentored Research Paper**

**Dissertation Proposal Defense**

**Dissertation**

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Total Hours

38

## **Major Learning Outcomes**

### **NATURAL RESOURCE ECONOMICS**

Learning outcomes for this degree program are that each graduate:

- Demonstrate the capacity to produce economic research that can be accepted for publication in leading academic journals.
- Be proficient in oral and written communication.