

Natural Resource Economics, Ph.D.

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Degree Offered

- Doctor of Philosophy in Natural Resource Economics

Nature of the Program

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.

Admissions for 2025-2026

A regular graduate student is a degree-seeking student who meets all the criteria for regular admission to a program of their choice and be under no requirements to make up deficiencies.

For regular admission, a student must:

- Possess a baccalaureate degree from a college or university and have at least a grade point average of 2.75 on a 4.0 scale (or an average of 3.0 or higher for the last sixty credit hours).
- Provide three letters of reference from persons acquainted with the applicant's professional work, experience, or academic background.
- Submit a written statement of 500 words or more indicating the applicant's goals and objectives relative to receiving a graduate degree, and identify a potential faculty advisor.
- Have an adequate academic aptitude at the graduate level as measured by the Graduate Record Examination (GRE) or the New Medical College Admissions Test (New MCAT).

* International students must meet WVU's minimum score requirements for English language proficiency (<https://graduateadmissions.wvu.edu/how-to-apply/apply-for-2023-2024/international-graduate-applicant/>)

Major Code: 1733

Degree Requirements

Code	Title	Hours
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	
Required Field (select one of the following):		6
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	
Seminar		1
ARE 796	Graduate Seminar	
Research		1
ARE 797	Research	
Teaching Practicum		1
ARE 690	Teaching Practicum	
Qualifying Exam		
Mentored Research Paper		
Dissertation Proposal Defense		
Dissertation		
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.