



Environmental & Water Resource Economics

Minor Checklist

- 18 units of AREC coursework required, 15 units must be upper division (#300-499)
- Students must earn a 2.0 GPA in the minor to graduate
- Not all courses are offered each semester
- Junior class standing is recommended for upper division coursework
- Requirements current from Fall 2012 onwards
- AREC 217 or ECON 200 and calculus MATH113/116 are pre-reqs, confirm up to date pre-reqs with UAccess Class Search. See course descriptions on next page.
- AREC 217 is EP Social Scientist and may share in both this minor and gen ed requirements.

Required Courses:

(3 units each) Calculus is pre-req to all courses

<u>Course</u>	<u>Grade</u>	<u>Semester Enrolled</u>
AREC 304 (Fall)	_____	_____
AREC/ECON 339(Fall)	_____	_____

Choose four of the following courses:

AREC 217, AREC 360 (SP), AREC 373, AREC 464 (F), AREC 479 (SP), ECON 373, ENVS 479, GEOG 479, HWRS 479, RNR 476, RNR 479.

<u>Course</u>	<u>Grade</u>	<u>Semester Enrolled</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____

AREC 217 - Economics of Food and Agriculture: Sustainable Solutions for a Changing World (F & Sp)

Exploring Perspectives, Social Scientist general education course.

Practical application of economic theory to understand and analyze current issues and events surrounding food, natural resources, the environment, and sustainable solutions to rising problems. Current policy debates and diverse perspectives are used to demonstrate the process of translating economic problems and social science methods into researchable questions, using quantitative methods and tools.

AREC 304 - INTERMEDIATE PRODUCTION & CONSUMPTION ANALYSIS (Fall, pre-requisite: Calculus)

Production and consumption theory and techniques for the analysis of agricultural and resource economics issues.

AREC339-ECONOMIC STATISTICS - (Fall, pre-requisite: Calculus) Application and interpretation of statistical measures to problems in economics.

AREC 360 - THE POVERTY AND DEVELOPMENT OF NATIONS (Spring)

Exploration and analysis of the multi-dimensionality of hunger, poverty, and economic growth, with special emphasis on the cases of lower-income nations. Both microeconomic (e.g. technology, education) and macroeconomic (e.g. foreign aid, trade) factors are examined.

AREC373/ ECON373–ENVIRONMENTAL ECONOMICS (Summer, when offered)

Analysis of current environmental problems and their potential solutions. (Eller College controls offerings of and enrollment in this course, for enrollment assistance email econreg@eller.arizona.edu)

AREC464 - ECONOMICS OF POLICY ANALYSIS (Fall, pre-requisite: Calculus, & AREC315, or AREC304 or ECON301)

Applied economic theory and method of policy analysis and public choice. Emphasis is on policies impacting agriculture and rural America-especially historical and continuing government intervention in agricultural markets.

AREC479/ ENVS479/GEOG479/HWRS479/RNR479-ECONOMIC ANALYSIS OF WATER, FOOD & ENVIRONMENTAL POLICIES (Spring, Pre-requisite: Calculus)

This course focuses on economic methods for designing and evaluating water, food and environmental policies. Topics include optimizing water as an input in producing food, energy, recreation, and other ecosystem services; water & environmental issues in food production; pricing and conservation incentives; managing shortage risks; and economic tools for addressing conflicts over water, food and the environment. Interactive seminar style course. Calculus proficiency is required.

❖ AREC 217 or ECON 200 and calculus MATH113/116 are typical pre-reqs, confirm up to date pre-reqs with UAccess Class Search.



THE UNIVERSITY OF ARIZONA
COLLEGE OF AGRICULTURE & LIFE SCIENCES

**Agricultural &
Resource Economics**