Environmental and Sustainability Economics (Graduate Certificate)

Earn a graduate certificate that will help you gain a better understanding of environmental and resource economics, which can be a powerful tool to examine human-environment interactions and evaluate tradeoffs.

Program Description

Degree Awarded: Certificate Environmental and Sustainability Economics (Certificate)

The graduate certificate in environmental and sustainability economics provides training in the economic theory and methodological tools of environmental and resource economics. ERE provides an approach to evaluate the consequences, social benefits and costs of changes to markets and environmental policies.

The target audience for this certificate are master's and doctoral degree students in fields with a sustainability, environmental science or policy focus, including sustainability, public affairs, biology, environmental social science, applied mathematics and agribusiness --- where training in ERE may be complementary to research interests or career development.

Graduates of the certificate program are able to identify and evaluate the economic assumptions embedded in policy analyses and recommendations, critically evaluate the validity of publications in environmental and resource economics, apply economic modeling approaches to real-world cases, and utilize econometric techniques to generate predictions and test hypotheses using applied economic models.

At a Glance
Degree Requirements

17 credit hours

**Required Core (5 credit hours)**

SOS 512 Environmental and Resource Economics (3)
SOS 529 Research Seminar in Environmental and Sustainability Economics (2)

**Electives (12 credit hours)**

**Additional Curriculum Information**

Students choose one elective course in each of the following categories: microeconomic theory, statistical and econometric modeling, environmental and resource economics, and modeling and empirical methods.

Students should see the academic unit for a list of approved electives.

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
International students who need an F1 or J1 visa will need to first apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Prerequisite coursework: None. However, it is strongly recommended that students have at least one semester of calculus or the equivalent such as MAT 251 Calculus for Life Sciences, MAT 265 Calculus for Engineers or SOS 211 Calculus and Probability.

Contact Information

School of Sustainability | WGHL 108
SOSGradSunDevil@asu.edu | 480-727-6963