

ENVIRONMENT, ECONOMY, DEVELOPMENT & SUSTAINABILITY (EEDS)

A new major in sustainability at The Ohio State University



EEDS Specialization: Environmental Economics and Policy Analysis

Overview

Many ecosystem services, such as carbon sequestration, water purification and environmental amenities, are not priced in the marketplace and as a result, too much pollution is generated and not enough resources are conserved. The Environmental Economics and Policy Analysis specialization focuses on policies that address these problems, including market-based policies, environmental regulations, voluntary compliance programs, and international agreements.

Topics include: environmental externalities, public goods, natural resource economics, limits to growth, non-market valuation, green accounting, cost-benefit analysis, economic effects of climate change, pollution trading programs, and payments for ecosystem services. Students gain the knowledge and skills that are needed to quantify the value of ecosystem services and to assess the benefits and costs of policies aimed at achieving sustainability.

The Environmental Economics and Policy Analysis specialization is led by faculty from the Department of Agricultural, Environmental and Development Economics (AEDE). Courses include traditional classroom learning, team projects, guest lectures from professionals in the field, and project-based experiential learning that applies knowledge learned in the classroom to real world policies and program evaluation.

EEDS is an interdisciplinary major that is a joint program of the School of Environment and Natural Resources and the Department of Agricultural, Environmental and Development Economics in the College of Food, Agricultural, and Environmental Sciences.

Courses

Required or highly recommended courses within the Environmental Economics and Policy Analysis specialization include:

- Benefit Cost Analysis
- Public Policy Analysis
- Environmental Impact Evaluation
- Law and Economics
- Energy, Environment and Economy
- Intermediate Microeconomics

Job/Internship Opportunities

Students with training in Environmental Economics and Policy Analysis will be prepared to work in the private, public or non-profit sectors, related to the design and evaluation of market-based environmental policies such as payments for ecosystem services and pollution trading programs. Examples of jobs in this area include energy economist, ecosystem conservation economist and environmental policy analyst.

Faculty

The lead faculty for the Environmental Economics and Policy Analysis specialization is Dr. Elena Irwin, Professor in the Department of Agricultural, Environmental and Development Economics. Dr. Irwin may be contacted at irwin.78@osu.edu.

For more information about the EEDS major, visit us on the web at eeds.osu.edu or send an email to eeds@osu.edu.



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES