



COLLEGE OF AGRICULTURE AND LIFE SCIENCES
AGRICULTURAL AND
APPLIED ECONOMICS
VIRGINIA TECH.



Bachelor of Science Applied Economic Management Environmental Economics, Management, and Policy

The Environmental Economics, Management, and Policy major builds upon the broader base of general applied economic management.

Agencies and organizations that address problems of rural poverty, natural resource usage, and provisions of public services to non-urban areas require this training. Students are trained to understand and appreciate the economic and non-economic aspects of resource and environmental problems.

Potential careers

- Environmental economist
- Sustainability officer
- Environmental consultant
- Environmental policy analyst
- Environmental lawyer
- Agricultural economist

Liv Shaver '28

"I chose my major along with a minor in climate and society because I wanted to better understand the connection between environmental and economic systems and how they can be reimagined for a more sustainable future. The belief that systematic change occurs when knowledge meets action is my motivation, and this program enables me to explore both scientific and societal perspectives of environmental issues.

With this program, I feel confidently prepared to pursue law school studies that will give me the opportunity to make a tangible contribution in advocating policies that create lasting, equitable solutions to the climate challenges we face."



A HIGHLIGHT OF COMPANIES WHO HIRE OUR GRADUATES

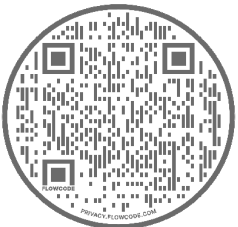
American Farm Bureau Federation, CropLife America, Department of Labor, IBM, John Deere Company, Johnson & Johnson, KPMG, National Corn Growers Association, Norfolk Southern, Syngenta and many more.

Key skillsets

- Economic analysis
- Resource management
- Policy and impact analysis

EXAMPLES OF CORE AND MAJOR REQUIREMENT CLASSES

- **Rural and Regional Development Policy**
Description of rural areas, their economic structure, and conditions for broad-based economic development. Emphasis on the role of markets in the development process. Introduction to tools to evaluate policies and programs, identify distributional impacts, identify appropriateness for long-term sustainable development, and analyze tradeoffs between policy goals.
- **Environmental Law**
Principles of law involved in environmental issues, survey of environmental litigation, and legislation and administrative rulings. Law topics include natural resources, water pollution, private land use, air pollution, toxic substances, food, drugs, pesticides, and biotechnology.
- **Environment and Sustainable Development Economics**
Course teaches sustainable development through an exploration of hard and soft green schools of thought. Hard Green Strategies – reliance on markets, technology, property rights, human ingenuity to increase production efficiency versus Soft Green Strategies-adoption of simpler lifestyles, government subsidies, natural design of buildings (biomimicry), and urban infrastructure to locate public transportation hubs nearest to densely populated neighborhoods to decrease consumption of natural resources.
- **Environmental Economic Analysis and Management**
Quantitative methods and computer-aided tools used in the economic analysis of environmental/natural resource issues. Economic concepts and analytical tools will be applied to realistic, problem-solving situations. Topics include cost effectiveness analysis, benefit-cost analysis, economic simulations, and statistical analysis.



Program details