



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.

According to the Department of Education, the median salary for our students, four years post graduation, is nearly \$76,000.

Key skillsets

- Economic analysis
- Resource management
- Policy and impact analysis

Potential careers

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

CHECKLIST

Pathways general education: 45 hours

Degree core requirements: 19 hours

Major requirements: 19 hours

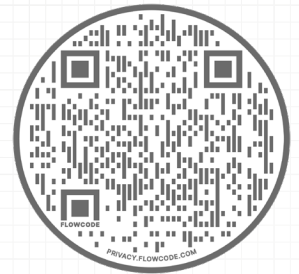
Analytical methods requirements: 2-3 hours

Area of specialization and free electives: 26 hours

Restrictive electives: 9 hours

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.



View full course catalog

EXAMPLES OF COMMON 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.