

Environmental Policy and Administration Emphasis

Master of Science in Environmental Science and Policy

Students who select the Environmental Policy and Administration emphasis may study the characteristics and operation of government institutions; organizational policy, design and evaluation; and substantive policies in regulation, environmental protection, science and technology, and energy and natural resources. Courses emphasize environmental problem analysis and planning, policy analysis and formulation, environmental law and implementation, program evaluation, statistical analysis and the application of social science research methods to environmental issues. Studies benefit from interaction with the Center for Public Affairs and the Cofrin Center for Biodiversity.

The Environmental Policy and Administration area of emphasis prepares students to:

- identify and analyze policy-relevant problems of major importance;
- collect, assess, and interpret policy-relevant data;
- design, evaluate, and implement strategies and programs for addressing such problems; and
- effectively communicate the results of policy analyses and evaluations to diverse audiences, including environmental scientists, policy makers, and the general public.

Graduates typically enter governmental agencies at the national, state or local level, or nonprofit organizations, where their work involves policy analysis, planning, or administration. Some prefer positions in legislative bodies, environmental organizations, or industry where administrative or analytical work is combined with politics, public relations, education or advocacy.

Environmental Policy and Administration (16-18 credits minimum)

Emphasis Prerequisites

Students who pursue Environmental Policy and Administration come from a variety of undergraduate backgrounds such as economics, engineering, environmental planning, environmental policy, political science, public administration, sociology, or more traditional science disciplines. The appropriate undergraduate course preparation is dictated by the prerequisites for the courses to be included in a program of study and the thesis topic area. It would normally be expected that students would have the equivalent of one year of undergraduate course work in political science, public administration, or economics.

Code	Title	Credits
Required Courses - complete 6 credits:		9
ENV S&P 713	Environmental & Natural Resource Economics	
ENV S&P 752	Environmental Policy and Administration	
ENV S&P 760	Social Research Methods	
Administrative Organizations and Processes - complete 3 credits:		3
MGMT 753	Organizational Theory and Behavior	
POL SCI 610	Intergovernmental Relations	
PU EN AF 514	Administrative Law	
PU EN AF 578	Environmental Law	
PU EN AF 579	Natural Resource Policy, Law, and Administration	
PU EN AF 615	Public and Nonprofit Budgeting	
Public Policy - choose 3 credits:		3
ECON 612	Economics of Sustainability	
ENV S&P 713	Environmental & Natural Resource Economics	
POL SCI 516	Congress: Politics and Policy	
PU EN AF 506	Regulatory Policy and Administration	
PU EN AF 522	Environmental Planning	
PU EN AF 551	Water Resources Policy and Management	
PU EN AF 578	Environmental Law	
PU EN AF 579	Natural Resource Policy, Law, and Administration	
PU EN AF 580	Global Environmental Politics and Policy	
PU EN AF 608	Public Policy Analysis	

Additional Courses

Select any combination from the courses listed here or above.

Research Methods:

ENV S&P 755 Environmental Data Analysis

MATH 630 Design of Experiments

PU EN AF 653 Cost Benefit Analysis

Environmental Science

ENV S&P 724 Hazardous and Toxic Materials

ENV S&P 740 Ecology and Management of Ecosystems

ENV S&P 743 Landscape Ecology

ENV S&P 767 Environmental Technology and Analysis

ENV SCI 505 Environmental Systems

ENV SCI 518 Pollution Control

ENV SCI 523 Pollution Prevention

ENV SCI 660 Resource Management Strategy

ENV SCI 633 Ground Water: Resources and Regulations

Environmental Planning and Geographic Information Systems:

PU EN AF 650 Advanced Geographic Information Systems

Seminar and Special Topics:

ENV S&P 715 Seminar in Ecology and Evolution

ENV S&P 795 Special Topics

Internship or Thesis Option:

6-9

ENV S&P 763 Capstone in Environmental Science and Policy
& ENV S&P 797 and Internship

or ENV S&P 799 Thesis

Total Credits

24-27