

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
MANAGMNT 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
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Seminar and Special Topics:

ENV S&P 715	Seminar in Ecology and Evolution
ENV S&P 795	Special Topics

Total Credits

18