

2009-2010

# *B.A. in Environmental Studies: Planning and Environmental Policy Major*

Huxley College of the Environment

## *What Is the Study of Planning and Environmental Policy?*

This interdisciplinary program prepares students to enter professional fields concerned with the sustainability of the human and natural environment. The Planning and Environmental Policy program consists of a core, three major concentration tracks, and specialization electives. The core incorporates the interdisciplinary foundation of Huxley College's approach to the study of the environment. Two of the major concentration tracks, planning and environmental policy, concentrate studies in public policy development, law, and methods and processes of planning and decision making. The third major concentration, Disaster Reduction and Emergency Management, concentrates studies on disasters, hazards and organizing society's response to them. The specialization elective component of the program is flexible. It allows students to develop an area of special interest, concentrating on a minor in an academic discipline, or to select from a number of thematically oriented clusters of courses.

## *Why Should I Consider This Major?*

Do you want to use your knowledge and skills to promote positive change in the environment? Do you love solving problems and implementing shared visions in both natural settings and urban communities? Are you interested in the laws and policies that govern environmental change? Then Planning and Environmental Policy is the major for you.

## *How to Declare:*

**Pre-Major Declaration:** Any student may declare as an Environmental Studies pre-major. The forms are available at the Huxley College Office in ES 539.

Admission to Huxley College and its majors is selective and based upon the following four criteria:

1. Completion of required preparatory course work
2. Academic performance (GPA)
3. A brief essay in response to a given question, and
4. Relevant experience.

Applications should be received by the Huxley College office by April 25 for admission to summer or fall quarters; October 6 for admission winter quarter; and January 15 for admission spring quarter.

## *Mid-Program Checkpoint:*

Students intending to complete a Bachelor's of Arts degree in Planning and Environmental Policy within four years should complete the following courses by the start of their junior year. Students are expected to follow all prerequisite requirements for courses and seek early departmental advisement.

### **Huxley Preparatory Coursework:**

BIOL 101 or 204

CHEM 121

Additional lab science in BIOL, CHEM, GEOL or PHYS

MATH 114 or 156

EGEO 203 or GEOL 211

ECON 206

PLSC course

BCOM or CCOM course

Introductory Statistics Course

### **Other Activities:**

Get involved in environmental issues and groups.

## *Contact Information:*

Huxley College of the Environment  
Website: <http://www.wvu.edu/huxley/>

### **Department Chair:**

Thomas Terich  
AH 217

[Thomas.Terich@wvu.edu](mailto:Thomas.Terich@wvu.edu)

### **Undergraduate Advisor:**

Kathryn Patrick  
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### **Policy Track Advisors:**

Jean Melious, AH 208

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Grace Wang, AH 212

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Troy Abel, AH 205

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### **Emergency Planning Track Advisors:**

Scott Miles, AH 203

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Paul Stangl, AH 452

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### **Planning Track Advisor:**

Nicholas Zaferatos, ES444

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## *Sample Careers:*

Urban Planner

Environmental Lawyer

County Planner

Environmental Public Relations

Director of Non-Profit Organizations



# Planning and Environmental Policy Major Requirements: 121-132 Credits

## Required Preparatory Courses:

BIOL 101 Introduction to Biology (5)  
Or BIOL 204 Introduction to Evolution, Ecology, and Biodiversity (4)  
CHEM 121 General Chemistry (5)  
Additional Lab Science in Chemistry, Biology, Geology or Physics (5)  
MATH 114 Precalculus  
Or MATH 156 Algebra with Applications to Business and Economics (4-5)  
Introductory Statistics, e.g. SOC 215, MATH 240, DSCI 205, ANTH 335, FAIR 232P (4-5)  
EGEO 203 Physical Geography or GEOL 211 Physical Geology (4)  
ECON 206 Microeconomics (4)  
Any PLSC course (3-5)  
Any BCOM or CCOM requirement (3-5)

## Huxley Core Requirements: (16-23 credits)

**Ecological Processes:** One of the following (3-4 credits)

ESCI 302 Environmental Pollution (4)  
ESCI 310 Environmental Systems (4)  
ESCI 325 Fundamentals of Ecology (3)  
ESCI 392 Introduction to Global Change (3)

**Applied Environmental Science:** One of the following (3-4 credits)

ESCI 309 Exploring Environmental Data (3) Coursework:  
ESCI 321 Oceanography (4)  
ESCI 330 Natural History of the Pacific Northwest (4)  
ESCI 333 Introduction to Environmental Toxicology (4)  
ESCI 361a Water Quality (3)  
ESCI 463 Wetlands for Wastewater Treatment (3)

**Approved Capstone Course:** ESCI 436 or ESTU 436 (4-5)

**One from Environmental Applications Experience:** (10 credit minimum)

ESTU 498a Senior Thesis (10-15)  
ESTU 498b Internship (10-15)  
ESTU 498c Senior Project (10-15)  
ESTU 498d International Study (10-15)

## Planning and Environmental Policy Core (16 credits)

ESTU 304 Environment and Resource Policy (4)  
ESTU 369 Introduction to Planning (3)  
ESTU 436 Environmental Impact Assessment (5)  
ESTU 466 U.S. and Washington State Environmental Regulations (4)

*Planning and Environmental Policy students choose one track from:*

*Planning, Policy or Emergency Planning and Hazards Mitigation Track. All students complete the Huxley College Core and Planning and Policy Core, but only one of the lists of track requirements in the next column.*

## Other Environmental Studies Options:

B.A. in Environmental Education (85 credits)  
B.A. in Environmental Studies/Economics (85 credits)  
B.A. in Environmental Studies/Journalism (84 credits)  
B.A.Ed. in Environmental Studies—Elementary (47 credits plus 104 for the Elementary Education Professional Program)  
Minor in Environmental Studies (24 credits)  
Minor in Environmental Education (26 credits)  
Minor in Environmental Policy (20-25 credits)  
Minor in Sustainable Design (30-32 credits)

## Environmental Policy (23-25 credits)

ECON 383 Environmental Economics (4)  
ESTU 443 Land Use Law (4)  
Or ESTU 468 Environmental Law (4)  
ESTU 464 United States Environmental Policy (4)  
ESTU 465 International Environmental Policies (4)  
ESTU 420 Environmental Politics (5)  
Or ESTU 463 Environmental Policy Analysis (4)  
ESTU 436 Environmental Impact Assessment (5)  
Or ESCI 436 Environmental Impact Assessment (5)

## Choose one of the following:

ESTU 441 Parks and Protected Areas (3)  
ESTU 444 Environmental Dispute Resolution (4)  
ESTU 467 Natural Resource Policy (3)  
ESTU 475 Native American Planning & Natural Resource Policy (3)  
EGEO 461 Natural Resources Management (4)

## Environmental Policy Track Electives: 21-30 credits

21-29 credits of upper-division electives (or electives to equal a total of 85 credits) under faculty advisement

## Planning (27 credits)

EGEO 314 Urbanization: Processes and Patterns (4)  
EGEO 363 Natural Hazards Planning (4)  
EGEO 462 Transportation Systems and Planning (3)  
ESTU 368 Plan Graphics: Methods in Urban Planning Design Graphics (2)  
ESTU 370 Processes and Methods in Planning (3)  
ESTU 380 History and Politics of Planning (3)  
ESTU 443 Land Use Law (4)  
ESTU 444 Environmental Dispute Resolution (4)  
ESTU 470 Planning Studio (6)  
ESTU 472 Planning Theory (3)  
ESTU 497G Planning Studio II (4)  
Planning Track Electives (12-14 credits)

## Disaster Reduction and Emergency Planning (34-37 credits)

ENG 302 Technical Writing (5)  
EGEO 350 Introduction to Geographic Information Systems (4)  
EGEO 363 Natural Hazards Planning (4)  
ESTU 304 Environmental and Resource Policy (4)  
ESTU 330 History & Theory of Emergency Planning (4)  
ESTU 401 Applications in GIS (3)  
ESTU 430 Disaster Risk Reduction (4)  
ESTU 432 Disaster Reduction & Emergency Planning Studio (4)  
ESTU 466 U.S. and Washington State Environmental Regulations (4)

## Choose one from:

COMM 318 Professional Communication (4)  
COMM 322 Civil Discourse as Learning Interaction (4)  
MGMT 311 Introduction to Management & Organizational Behavior (4)

## Choose one from:

EGEO 330 Geography of Landforms (4)  
EGEO 331 Climatology (4)  
GEOL 455 Climate Related Geologic Hazards (3)

*Emergency Planning and Hazards Mitigation Electives: 19 credits*

*19 credits of upper-division electives (or electives to equal a total of 85 credits) under faculty advisement*

These courses are offered within this major and may be used to satisfy GUR or Writing Proficiency requirements.

**QSR:** MATH 114, 156, 240

**SSC:** PLSC course, ECON 206

**LSCI:** BIOL 101, CHEM 121, EGEO 203

**WP:** Three Writing Proficiency points are required for graduation (they are noted as WP1, WP2, and WP3). Check [Classfinder](#) or [Online Timetable](#) for departmental offerings each quarter.