



# ENVIRONMENTAL SCIENCE & POLICY PROGRAM

0220 SYMONS HALL  
UNIVERSITY OF MARYLAND  
COLLEGE PARK, MD 20742  
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ENSP.UMD.EDU

## ABOUT

The ENSP program at UMD is an interdisciplinary science and policy program that produces problem solvers and leaders that are ready to face today's incredible environmental challenges. Our program values the integration of the natural sciences and social sciences and how those disciplines can best shape good public policies. We provide our students with a foundational understanding through core science and policy classes and then advance them to specialized training and experiences in one of many specific environmental disciplines.

ENSP is a unique, interdisciplinary major co-sponsored by 3 colleges and 9 academic departments.

## AREAS OF CONCENTRATION

### College of Agriculture & Natural Resources

- Environment & Agriculture (PSLA)
- Environmental Economics (AREC)
- Soil, Water & Land Resources (ENST)
- Wildlife Ecology & Management (ENST)

### College of Behavioral & Social Sciences

- Culture & Environment (ANTH)
- Environmental Politics & Policy (GVPT)
- Global Environmental Change (GEOG)
- Land Use (GEOG)
- Marine & Coastal Management (GEOG)
- Society & Environmental Issues (SOCY)

### College of Computer, Mathematical & Natural Sciences

- Biodiversity & Conservation Biology (BSCI)
- Environmental Geosciences & Restoration (GEOL)

## MULTI-DISCIPLINARY APPROACH

All students are required to take courses in:

- Biology
- Chemistry
- Earth Sciences
- Economics
- Geography
- Calculus
- Statistics

## CORE COURSES

- **ENSP101** - Intro. to Environmental Science
- **ENSP102** - Intro. to Environmental Policy
- **ENSP305** - Applied Quantitative Methods in Environmental Science & Policy
- **ENSP330** - Environmental Law
- **ENSP340** - Water: Science, Ethics, and Policy
- **ENSP342** - Environmental Threats to Oceans and Coasts: Towards and Integrated Policy Response
- **ENSP350** - Energy Resources: Science and Policy in the 21st Century
- **ENSP400** - Capstone in ENSP

## OUR STUDENTS

### Years 1 & 2: "Undeclared"

- Multi-disciplinary "core" courses
- Structured, exploratory advising

### Years 3 & 4: "Declared"

- Advanced training; concentration-specific
- Mentoring and advising by faculty members who are experts in their disciplines

All graduates earn a B.S. in Environmental Science and Policy



## EXPERIENTIAL LEARNING OPPORTUNITIES

- Research, study abroad, clubs and activities are strongly encouraged
- ENSP386 - Internship. Required in most concentrations; encouraged in all.

### Several undergraduates have participated in NSF-funded Research Experiences for Undergraduates (REUs)

- Marine and Estuarine Science - Chesapeake Biological Laboratory, MD
- Smithsonian Environmental Research Center - Edgewater, MD
- Louisiana Universities Marine Consortium (LUMCON) - Mississippi Delta / Gulf of Mexico
- Environmental Science Institute - University of Texas (Austin)
- Sevilleta LTER Field Station - University of New Mexico
- Invasive Species and Small Populations - University of Idaho

## ENSP ALUMNI

### ENSP alumni are employed in a variety of careers, including :

- **Environmental scientists at engineering and environmental services firms:** Advantage Environmental Consultants, BAE Systems, Booz Allen, KCI Technologies, Geographic Services, Inc., SDK Energy, URS.
- **Policy analysts at consulting firms and non-profit organizations:** Center for Science in the Public Interest, Defenders of Wildlife, ICF International, Environmental and Energy Study Institute, Verified Carbon Standard, World Wildlife Fund
- **Research/technical/field assistants (science):** U.S. Fish and Wildlife Service (FWS), U.S. Geological Survey (USGS), Maryland Department of Natural Resources (MD DNR), D.C. Department of the Environment, National Park Service, UMD Department of Geographical Sciences, Natural Resources Conservation Service, regional county offices of environmental protection
- **Program analysts (policy):** National Oceanic and Atmospheric Administration (NOAA), Environmental Protection Agency (EPA), Department of Energy (DOE), Federal Energy Regulatory Commission (FERC), Federal Emergency Management Administration (FEMA)
- **Sustainability coordinators at businesses and universities:** EcoBeco, Elysian Energy, Georgia State University, Johns Hopkins University, Standard Solar, UM-Baltimore, UM-College Park.
- **Environmental and outdoor educators:** Chesapeake Conservation Corps, Echo Hill Outdoor School, National Aquarium, Peace Corps, Smithsonian Environmental Research Center
- **With graduate degrees, ENSP alumni have become:** attorneys, urban/regional planners, mid-level leaders at environmental non-profits, environmental journalists, public school educators, university faculty members and scientists, foresters, allied health professionals (public health, nursing, physical therapy, dentistry)

### ENSP graduates have been admitted to some of the nation's best post-graduate programs

#### Economics

- Cal - Davis
- Columbia University
- Ohio State University
- University of Maryland

#### Environmental Science

- Duke University - Nicholas School of the Environment
- Yale University - School of Forestry and Environmental Studies

#### Urban/Regional Planning

- Cal - Berkeley
- Rutgers University
- University of North Carolina - Chapel Hill

#### Sustainability Studies

- Arizona State University

#### Public Policy

- Indiana University
- University of Maryland
- University of Washington - Seattle

#### Earth, Life and Agricultural Science

- Cal - Davis
- Duke University
- Johns Hopkins University
- Stanford
- Texas A&M
- Yale University

#### Law

- Georgetown University
- Harvard University
- University of Maryland
- University of Pennsylvania
- Vermont Law School