Environmental Science and Policy Program (ENSP)
www.ensp.umd.edu

A middle-sized, interdisciplinary major (325 students) co-sponsored by 3 colleges and 8 academic departments

Introduction to ENSP
Begins in the College of Agriculture and Natural Resources

- **ENSP101** – Intro. to Environmental Science
- **ENSP102** – Intro. to Environmental Policy

Multidisciplinary Core & exploration – yrs 1 and 2

Biology, Chemistry, Earth Sciences, Economics, Geography, Government and Policy, Calculus, Statistics

Concentration & faculty advising – yrs 3 and 4

**College of Agriculture and Natural Resources (AGNR)**
- Environmental Economics (AREC)
- Environment and Agriculture (PLSC)
- Soil, Water, and Land Resources (ENST)
- Wildlife Ecology and Management (ENSP)

**College of Behavioral and Social Sciences (BSOS)**
- Environmental Politics and Policy (GVPT)
- Global Environmental Change (GEOG)
- Land Use (GEOG)
- Marine and Coastal Management (GEOG)
- Society and Environmental Issues (SOCY)

**College of Computer, Mathematical, and Natural Sciences (CMNS)**
- Biodiversity and Conservation Biology (BSCI)
- Environmental Geosciences and Restoration (GEOL)

INTEGRATING Science and Policy

- **ENSP305** – Quantitative Methods, **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

APPLICATIONS and RESEARCH

- Research, internships, study abroad, clubs and activities are strongly encouraged.
- **ENSP386** – Internship. Required in 6 of the 11 concentrations; very strongly encouraged in all concentrations. A 2012 analysis of ENSP seniors’ resumes indicate that:
  - 85% of graduating ENSP seniors report at least one significant undergraduate professional development experience.
  - 75% report two or more of these experiences.
- **ENSP400** – Capstone in Environmental Science and Policy – a university Scholarship-in-Practice course

**Director:**
Dr. Joseph Sullivan, Professor

**Lecturer:**
Joanna Goger, Esq.
Dr. Jennifer Murrow
Dr. Greg Schnaar

**Associate Director:**
Dr. Wendy L. Whittemore
Since 2011, increasing numbers of ENSP students have participated in NSF-funded Research Experiences for Undergraduates (REUs).

- Marine and Estuarine Science – Chesapeake Biological Laboratory, MD
- Smithsonian Environmental Research Center – Edgewater, MD
- Virginia Institute of Marine Science – College of William & Mary
- Louisiana Universities Marine Consortium (LUMCON) – Mississippi Delta / Gulf of Mexico
- Environmental Science Institute – University of New Mexico
- Invasive Species and Small Populations – University of Idaho

Since 2011, 11 ENSP students have completed Honors-in-ENSP.

- Sze Wing Yu – Biodiversity & Conservation Biology, 2015.
- Neda Movahed – Environmental Politics & Policy, 2014.
- Sabra Bushey – Environmental Politics & Policy, 2014.
- Clara Kollm – Environmental Politics & Policy, 2011.

Since 2011, ENSP students have been admitted to some of the nation's best post-graduate programs in:

**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

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

**Public policy**
- Indiana University
- University of Maryland
- University of Pennsylvania
- University of Washington – Seattle

**Science**
- Cal – Davis
- Duke University
- Johns Hopkins University
- Texas A&M
- Yale University

**Sustainability studies**
- Arizona State University

**Urban/regional planning**
- Cal – Berkeley
- Rutgers University
- University of North Carolina – Chapel Hill

Since 2010, eleven ENSP students have won national awards / scholarships:

**NOAA/Ernest F. Hollings Scholarship** – includes $8,000 and a summer research experience:
- 2015: Annie Rice, Environmental Politics & Policy; and Michelle Graulty, Biodiversity and Conservation Biology
- 2012: Patricia Briner, Wildlife Ecology and Management; and Christopher Riley, Biodiversity and Conservation Biology
- 2011: Jason Wong, Environmental Economics

**Fulbright Scholarship:** 2015: Scheherazade (Zadie) Oleksiw, Environmental Politics & Policy. 2010: Ben Block, Land Use / Journalism (double major).

**NSF Graduate Research Fellowship** – includes a $32,000 annual stipend for 3 years.
- 2014: Christopher Riley, Biodiversity and Conservation Biology

**NSF IGERT Fellowship** – includes a $30,000 annual stipend for 2 years.

**NSF I-WATER Fellowship** – includes a $30,000 annual stipend for 2 years.
- 2015: David Markman, Biodiversity & Conservation Biology

**Presidential Management Fellow** – a selective 2-year appointment to a federal agency.

Recent ENSP alumni are employed as:

- **Environmental scientists** – engineering and environmental services firms: Advantage Environmental Consultants, BAE Systems, Geographic Services, Inc., SDK Energy, URS.
- **Policy analysts** – non-profits and consulting firms: ICF International, Environmental and Energy Study Institute, Verified Carbon Standard
- **Research/technical assistants** (science) – US Fish and Wildlife Service, Maryland DNR, USDA, DC Department of the Environment, University of Maryland
- **Program analysts** (policy) – NOAA, EPA, FERC, FAA, FEMA
- **Sustainability coordinators** – businesses and universities: EcoBeco, Johns Hopkins, Standard Solar, UM-Baltimore, University of Maryland, Georgia State University
- **Environmental and outdoor educators** – National Aquarium, Peace Corps, Chesapeake Conservation Corps