



Careers in Environmental Science

The University of Maryland Environmental Sciences & Policy major graduates have been successful in many different post-graduation fields. Review additional resources at BSOS's [Your Career](#).

Environmental science is the science of the interactions between the physical, chemical and biological components of the environment, including their effects on all types of organisms but more often refers to human impact on the environment. Review more about this major by visiting, <https://ensp.umd.edu/>.

Using information from the University of Maryland graduation survey, we have compiled information about ENSP majors, such as where they work or go to graduate school post-graduation. Check out the topics below to learn more about planning for your career!

Topics/Quick Links

- [Entry Level Jobs for ENSP Majors](#)
- [Explore Career Titles](#)
- [Career Planning Links](#)
- [Career Areas in Environmental Science](#)
- [Identify Skills Developed](#)
- [Job & Internship Search Links](#)
- [Employers of ENSP Graduates](#)
- [Connect & Grow Your Network](#)

The UMD alumni below are waiting to share their career story with you.


Connect with them through [Terrapins Connect](#), a new platform that allows students' virtual access to UMD alumni who have volunteered to conduct industry specific resume reviews, mock interviews, and to share the scoop on how they broke into their field.

★ 


Terrance Glover '16
Early Career Environmentalist


 Environmental


 US Environmental Protection Agency (...)

★ 


Aimee Hoover '17
NOAA Sea Grant Knauss Fellow at Maryland S...


 Science, Non Profit, Environmental, Oa...

 Maryland Sea Grant, University of Mar...

★ 

Alexandra Kramer '17
Environmental Scientist and Regulatory Special...

 Science, Environmental, Consulting, AL...

 ECS Limited, Booz Allen & Hamilton, Inc.



Sample Entry Level Jobs for ENSP Majors

The sample career titles below may give you an idea of positions ENSP majors are qualified for based on their major coursework, co-curricular activities, and/or past internships.

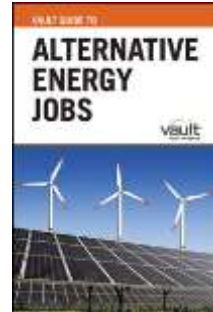
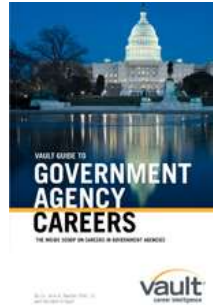
Agricultural Scientist Ecologist	Forester
Agricultural Technician	Forest Ranger
Air/Water Quality Manager	Fund Raiser
Air Pollution Analyst	Geographer
Architect	Geologist
Author	Geophysicist
Biochemist	Hazardous Waste Manager
Biologist	Hydrologist
Biomedical Engineer	Industrial Hygienist
Biotechnologist	Journalist
Chemical Technician	Management Consultant
Chemist	Meteorologist
City Planner	Microbiologist
Civil Engineer	Natural Resource Spec.
Conservation Agent	Occupational Safety Spec.
Conservation Analyst EPA Inspector	Oceanographer
Conservationist	Ocean Technician
Consumer Safety Inspector	Outdoor Trip Leader
Earth Scientist	Park Ranger
Engineering Technician	Pharmacy Technician
Environmental Analyst	Photographer
Environmental Consultant	Project Manager
Environmental Educator	Public Health Veterinarian
Environmental Engineering	Range Manager
Environmental Health Spec.	Resource Economist
Environmental Lawyer	Seismologist
Environmental Lobbyist	Soil Conservation Tech.
Environmental Nurse	Teacher
Environmental Physician	Urban and Regional Planner
Environmental Planner	Water/Wastewater Plant Operator
Environmental Scientist	Wildlife Manager
EPA Statistician	Zoologist
Fisheries Conservationist	And many more!



Start Exploring Career Titles

Use the sample job and internship titles (mentioned above) to start exploring career paths. The links below provide a short overview of the positions.

- [Occupational Outlook Handbook](#)
- [O*NET Online](#)
- Use [FOCUS2](#) to explore career paths using self-assessment questionnaires
- Talk with professionals working in the field through the [Terrapins Connect](#)
- [Candid Career](#), informational career videos
- [Vault Guides](#), download 100's of industry guides- sample titles below *(Note- users who are not logged in to UMD Vault Campus will first be prompted to log in. Use your Careers4Terps account for easiest access.)*



Career Planning Links

Need help finding a starting place for planning for your career? Review the resources below to start exploring careers in the environmental field.

- [The Environmental News Network](#)
- [Environmental Health](#), UMD Industry 101
- [Careers That Care](#)
- [Envirolink](#)

Articles:

- [A Healthy Background for a Career in Environmentalism](#)
- [Environmental Careers Examined: A Gamut of Choices from Lobbyist to Financial Analyst](#)

Additional Resources:

- UMD Sustainable minor- review [titles of alumni](#)
- [Careers in Geographical Sciences](#)- advice from alumni
- [About.com: Environmental Resources](#)



Develop a Career Plan: go.umd.edu/BSOSactionplan



Career Areas

There are many career areas within the Environmental Sciences and Policy fields. This sample list can help you identify areas of interest when searching for jobs and internships.

Planning

- Air Quality
- Aviation
- Building/Zoning
- Consulting
- Recreation
- Transportation

Environmental Education and Communication

- Teaching
- Journalism
- Tourism
- Law Regulation
- Compliance

Hazardous Waste Management

- Hydrogeology
- Quality Control
- Risk Assessment
- Environmental Engineering
- Public and Environmental Health
- Industrial Hygiene
- Law
- Biology, Chemistry, Geology, Chemical Engineering
- Planning
- Compliance

Land and Water Conservation

- Biology
- Ecology
- Planning
- Geographic Information Systems
- Preserve Management
- Law
- Natural Resource Management
- Soil Conservation
- Land Acquisition

Parks and Outdoor Recreation

- Administration and Management
- Law Enforcement
- Recreation Planning
- Natural Resource Management
- Research
- Site Operations and Maintenance
- Ecotourism
- Direct Mail Merchandising



Skills Developed as an ENSP Major

Skills lead to jobs. Which skills do you possess? Review the [Skills Inventory](#) list to examine soft skills to highlight on your resume and within interviews.

Sample list of skills developed in class by ENSP majors.

- Summarize research findings
- Perceive patterns & structures
- Apply concepts
- Apply knowledge creatively
- Use laboratory equipment
- Technical writing
- Written & Oral Reporting
- Analyze data
- Evaluate data and results
- Gather information
- Assess risks
- Computer literacy
- Inform and explain
- Attention to details
- Applying logic to problems
- Utilizing formulas
- Define problems
- Precision and accuracy





Job & Internship Search Links for ENSP Majors

Applying for an advertised position on a large board is an ineffective job/internship strategy, but it can be helpful in researching what the typical qualifications are for a field or positions.

ENSP undergraduates work in many different fields so the list below is only *a sample of resources* for you to utilize.

- [AWWA job listings](#)
- [Earthworks](#)
- [EcoEmploy: Environmental Jobs and Careers](#)
- [EH&S Careers](#)
- [Environmental Career Center](#)
- [Environmental Jobs and Careers](#)
- [Environmental Organizations Web Directory](#)
- [Environmental placement agencies](#)
- [Environmental Protection Agency](#), on-line internet recruitment system
- [Green Dream Jobs](#)
- [Greenbiz.com Joblink](#)
- [Mike Pagel's comprehensive site](#), Park career and employment links
- [Pollution Online](#)
- [SIERRA Club: Hot Jobs for a Warming Climate](#)
- [Student Conservation Association](#), internship and job listings
- [UMD: research experience options](#)
- [Water Environment Federation](#), jobs and internships

Federal/Government Options

Many federal agencies advertise positions on [USAJOBS](#). They code positions related to the environment using the USAJOBS Occupational series below. Use the advance search section on USAJOBS to locate current openings in the series below.

Use the [USAJOBS Occupational series](#): to help with your [search](#) in [USAJOBS](#)

- Environmental Engineering Series*** 0819
- Environmental Health Technician Series** 0698
- Environmental Protection Assistant Series..... 0029
- Environmental Protection Specialist Series*..... 0028
- Geography Series*.....0150

Federal, State, & Local Government Career Paths ([preparation tips](#))

- [Federal Government Jobs](#), list of federal government agencies and their hiring websites
- [Federal Job Search](#), search for federal positions by profession or location
- [Job wonk, DC Jobs & Internships](#), DC opportunities listed as global, U.S., business, and society categories
- [State and Local Government on the Net](#), directory provides websites of state agencies, city & county governments
- [State of Maryland](#), position openings in Maryland
- [Student jobs](#), with the federal government



Sample Employers for ENSP Majors

Knowing what organizations or agencies interest you can help make the internship or job search easier. Check out some Environmental organizations below and explore their mission, their area of work and current openings.

ORGANIZATIONS

- [American Council for an Energy Efficient Economy](#)
- [Environmental Defense Fund](#)
- [Maryland Clean Energy Center](#)
- [Metropolitan Washington Council of Government](#)
- [National Commission on Energy Policy](#)
- [National Conference of State Legislatures](#)
- [Pew Center on Global Climate Change](#)
- [Resources for the Future](#)
- [The Nature Conservancy](#)
- [Town Creek Foundation](#)
- [UN-HABITAT, United Nations Human Settlements Programme](#)
- [Union of Concerned Scientists](#)
- [World Resources Institute](#)

GOVERNMENT ORGANIZATIONS

- [General Services Administration, Sustainable Development Program](#)
- [Maryland Department of Agriculture](#)
- [Maryland Department of Natural Resources](#)
- [Maryland Department of the Environment](#)
- [Maryland Emergency Management Administration](#)
- [Maryland Energy Administration](#)
- [Maryland Public Services Commission](#)
- [National Oceanic and Atmospheric Administration \(NOAA\)](#)
- [US Department of Commerce](#)
- [US Department of Energy](#)
- [US Environmental Protection Agency](#)
- [US Fish and Wildlife Service](#)
- [US Geological Survey](#)



Connect and Grow Your Network

Use these sample opportunities to meet professionals in your field of interest to learn about the field, establish new networking contacts, and conduct [informational interviews](#).

Sample Engagement Opportunities

- [Career Shuttles](#) - a half day, group experience to visit an organization of interest
- [Employer networking events](#) - attend to meet professionals and gain knowledge of openings
- [Intern](#) - make the most of your internship by requesting informational interviews
- [Intern for a Day](#) - one day shadowing experience that allows students to forge connections
- [Meetup](#) - locate people in your area with similar interests or within your industry of interest
- [Online Events Calendar](#) - for the state of Maryland
- [Terrapins Connect](#) - connects students with UMD alumni
- UMD University Career Center [Event Calendar](#) of employers and panelist visiting campus

Social Media

- Join [LinkedIn groups](#)
- Connect with other BSOS alumni in the [UMD College of Behavioral and Social Sciences](#) LinkedIn group
- [Tips for using LinkedIn](#) to make industry specific connections

Join a Professional Associations: provides training, information, and great resources for students and professionals.
Examples:

- Association for the Advancement of Sustainability in Higher Education www.aashe.org
- National Environmental Health Association www.neha.org
- Environmental Protection Agency www.epa.gov/
- Ecological Society of America www.esa.org/
- Local Government Environmental Assistance Network www.lgean.org/
- American Water Works Association www.awwa.org/
- Society for Conservation Biology conbio.net

Need help starting your career exploration or job search? Schedule a [career consultation appointment](#) with the University Career Center & The President's Promise. Get started mapping your [career action](#) plan today!



University Career Center
& The President's Promise

College of Behavioral and Social Sciences

[@UMDCareerCenter](#) | www.careers.umd.edu | go.umd.edu/UCCBSOS

CAREER the Turtle...because **UCC**ESS starts here.