CAREERS IN…

Environmental Science involves studying and finding ways to reverse the harmful effects of natural occurrences and impacts of human products on the environment. Scientists may be focused on ways to control such environmental issues as erosion, pollution, habitat and soil loss, global warming, water contamination, and protection of the rainforest, to name a few. Professionals may work in a variety of areas within environmental science including planning, education, waste management, air quality management, land and water conservation, wildlife management, parks, forests, and in environmental law.

The 61-63 credit Bachelor of Science in Environmental Science program at William Paterson University is housed in the College of Science and Health. The credits are distributed in four areas as follows: I) Required Courses, II) Co-requisites in Biology, Chemistry, Math and Physics, III) Science Electives, IV) Environmental Policy Electives. Required courses include Environmental Foundations, Soils, General Geology, and Field Experience.

WPUNJ Environmental Science: http://www.wpunj.edu/cosh/departments/environmental-science/
WPUNJ Admissions: http://www.wpunj.edu/admissions/undergraduate/academic-programs/programs_detail.dot?id=125496

Interests & Skills:
* Perception of structures and patterns
* Good communication skills, both written and oral
* Being able to work both in a team and independently
* Ability to analyze and organize large quantities of data
* Computer skills
* Analytical and quantitative skills
* Attention to detail
* Ability to use laboratory equipment

Work Environment:
People working within the field of environmental science have a number of options in terms of work environment. Environmental science professionals may choose to work in a government position, a large or small corporation, consulting firms, real estate development companies, law firms, architectural firms, nonprofit organizations, market research companies, colleges and universities, political action committees, hazardous waste firms, zoological parks, scientific foundations, National Park Service, marinas, and resorts. Some job titles may require further education.

Possible job titles:
* Agricultural Scientist
* EPA Statistician
* Fisheries Conservationist
* Project Manager
* Biologist
* Geographer
* Chemical Technician
* Hydrologist
* Civil Engineer
* Management Consultant
* Earth Scientist
* Natural Resource Specialist
* Occupational Safety Specialist
* Ocean Technician
* Ecologist
* Water/Wastewater Plant Operator
* Environmental Consultant
* Wildlife Manager
* Environmental Health Specialist
* EPA Inspector
* Architect
* Air Pollution Analyst
* Biochemist
* Fund Raiser
* Biotechnologist
* Hazardous Waste Manager
* City Planner
* Journalist
* Consumer Safety Inspector
* Microbiologist
* Outdoor Trip Leader
* Park Ranger
* Teacher
* Urban and Regional Planner
* Environmental Analyst
* Seismologist
* Environmental Engineer
* Wildlife Photographer
* Agricultural Technician
* Air/Water Quality Manager
* Pharmacy Technician
* Forest Ranger
* Biochemical Engineer
* Geophysicist
* Chemist
* Industrial Hygienist
* Conservation Analyst
* Meteorologist
* Oceanographer
* Conservationist
* Soil Conservation Technician
* Public Health Veterinarian
* Engineering Technician
* Resource Economist
* Environmental Educator
* Zoologist
* Environmental Lawyer

"Every creature is better alive than dead, men and moose and pine trees, and he who understands it aright will rather preserve its life than destroy it.”
- Henry David Thoreau
Where William Paterson University Alumni Work:

**Specialist Agent**  
United States Fish & Wildlife Service

**Environmental Specialist**  
Bergen County Utilities Authority

**Quality Control Manager**  
Marvell

**Genetics Technician III**  
Department of Fish & Wildlife – Washington

**Ecologist**  
Ebasco Environmental

**Supervisor—Health Safety & Environment**  
Allied Signal Foundation Inc.

**Environmental Consultant**  
Atlantic Environmental Inc.

**Environmental Education Consultant**  
Greater Newark Conservancy

**Environmental Health Specialist**  
Passaic County Health Department

**Parts Coordinator**  
Whirlpool, Inc.

**Assistant Director**  
Stonehill Recreation Corporation

Enhance Your Qualifications:
Successful students tend to seek out opportunities to enhance their qualifications through a variety of means. Within environmental science, some suggestions may include getting in planning boards and committees, volunteering at a non-profit organization, attending networking functions, joining a professional environmental organization, getting involved or becoming a leader in organizations on campus such as the New Jersey Water Watch, learning computer skills, interning or getting a part-time job in the field to gain experience, and looking into the possibility of graduate school or teacher certification.

Related Web Sites:
Environmental Information  
www.envirolink.org

National Association of Environmental Professionals  
www.naep.org

Environmental Protection Agency  
www.epa.org

Ecological Association of America  
www.esa.org

American Water Works Association  
www.awwa.org

Occupational Outlook  
www.bls.gov/oco/

Industry Information  
www.vault.com

Job Search and Salary information  
www.rileyguide.com

Occupation Information  
online.onetcenter.org

Other sources:
Please drop by the Career Development and Advisement Center to learn more about careers in environmental science. The career library carries career-specific books and counselors are available to answer any further questions you may have. Visiting the Environmental Science Department on campus may also prove valuable in addressing questions.

Compliments of:
The Career Development and Gloria S. Williams Advisement Center
http://www.wpunj.edu/career-advisement
973-720-2281/2653/2559