



What can I do with a major in **ENVIRONMENTAL SCIENCE** from Valparaiso University?

Description of major:

Gives the student the requisite scientific background for adequately assessing environmental systems. Field work helps the student to further define his or her understanding of the environment and how people shape and experience the world and their surroundings. This interdisciplinary major includes coursework in biology, chemistry and geography. This major should give a student a good basis for further study in environmental science or policy or into the professions of environmental management, protection or education.

Relevant skills for an ENVIRONMENTAL SCIENCE major:

- ◆ Analyze data
- ◆ Apply concepts
- ◆ Apply knowledge creatively
- ◆ Apply logic to problems
- ◆ Assess risks
- ◆ Define problems
- ◆ Evaluate data and results
- ◆ Gather information
- ◆ Inform and explain
- ◆ Maintain precision and accuracy
- ◆ Organize and report data
- ◆ Pay attention to details
- ◆ Perceive patterns & structures
- ◆ Report results orally and in writing
- ◆ Summarize research findings
- ◆ Use a computer proficiently
- ◆ Use laboratory equipment
- ◆ Utilize formulas
- ◆ Write technical reports and others!

Sample work activities for Graduates in ENVIRONMENTAL SCIENCE (some may require an advanced degree)

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

Potential hiring institutions for ENVIRONMENTAL SCIENCE majors:

- ◆ Arboretums
- ◆ Botanical gardens
- ◆ Colleges/Universities
- ◆ Corporations/Businesses
- ◆ Economic development organizations
- ◆ Environmental consulting firms
- ◆ Environmental restoration companies
- ◆ Environmental advocacy groups
- ◆ Fish & Wildlife Services
- ◆ Government agencies - local, state and federal (eg: EPA)
- ◆ Law firms
- ◆ Lobbying organizations
- ◆ Manufacturing firms
- ◆ Park departments – municipal, county, state, federal
- ◆ Public interest organizations
- ◆ Research organizations
- ◆ Secondary schools – middle/high school
- ◆ Utility companies and industries
- ◆ Waste and toxic disposal companies
- ◆ and others!

Area of further education for ENVIRONMENTAL SCIENCE majors:

- Agricultural Engineering
- Agricultural Sciences
- Agronomy
- Aquaculture
- Bioengineering
- Biology
- Biometrics
- Business Administration
- Chemical Engineering
- Chemistry
- City & Regional Planning
- Conservation Biology
- Demography & Population Studies
- Ecology
- Education
- Energy Management & Policy
- Environmental Biology
- Environmental Design
- Environmental Engineering
- Environmental Policy & Resource Management
- Environmental Sciences
- Fish, Game & Wildlife Management
- Forestry
- Geochemistry
- Geodetic Sciences
- Geography
- Geology
- Geophysics
- Geoscience
- Geotechnical Engineering
- Horticulture
- Hydrology
- Industrial & Labor Relations
- Landscape Architecture
- Law
- Marine Sciences
- Natural Resources
- Ocean Engineering
- Oceanography
- Physics
- Public Policy & Administration
- Range Science
- Rural Planning & Studies
- Sociology
- Urban Design
- Water Resources
- Water Resources Engineering
- and others!

Sources of additional information for ENVIRONMENTAL SCIENCE majors:

- VU College of Arts & Sciences Interdisciplinary Programs – Environmental Science: <http://www.valpo.edu/envsci/>
- VU Majors & Areas of Study: http://www.valpo.edu/academics/majors/environmental_science.html
- Occupational Outlook Handbook: the US Bureau of Labor Statistics compiles information about various occupations, including the nature of the work, the job outlook, the earnings, and other relevant information. <http://www.bls.gov/oco/oco1002.htm>
- American Association for the Advancement of Science: the world's largest general science organization and publisher of the peer-reviewed journal Science. Serves as an authoritative source for information on the latest developments in science and bridges gaps among scientists, policy-makers and the public to advance science and science education. Site includes a Careers page that includes information on fellowships, internships, career fairs, and job listings. <http://www.aaas.org/>
- Cyber-Sierra's Natural Resources Job Search: Job links are arranged in topical order, and have been personally reviewed. <http://www.cyber-sierra.com/nrjobs/read.html>
- Earthworks: Positions listed for various sciences as well as graduate, post-graduate & professional development courses. <http://www.earthworks-jobs.com>
- EcoEmploy.com: Environmental jobs in government, companies, law firms and non-profit in both the USA & Canada. <http://www.ecoemploy.com>
- EnviroLink: A comprehensive resource for individuals, organizations and businesses working for social and environmental change. <http://www.envirolink.org/enviroed>

- Environmental Career Center: Help people work for the environment through comprehensive environmental and natural resources job listings, career news, inside tips and advice, employer interviews, and career research reports. <http://environmental-jobs.com/>
- Environmental Career Opportunities: A subscription-based service but offers a few job listings on-line. <http://www.ecojobs.com>
- Environmental Careers Organization: a national, non-profit, educational organization that protects and enhances the environment through the development of diverse leaders, the promotion of careers, and the inspiration of individual action. This is accomplished through internships, career advice, career products, and research and consulting. <http://www.eco.org/>
- Environmental Jobs and Careers: Links to environmental opportunities in the USA and Canada. Employment includes careers such as environmental engineers, nature and wetlands scientists, GIS, technicians, chemists, earth sciences / geologists, policy and law, wildlife conservation, planning, education, wastewater treatment and operations, program and project management, natural resources, etc. <http://www.ecoemploy.com>
- Environmental Professional's Homepage: a quick-load, no-nonsense work platform for rapid information retrieval designed specifically for environmental consultants and remediation professionals. <http://www.clay.net/>
- Environmental Protection Agency: <http://www.epa.gov/>
- GeoWeb: Information and resources about the geosciences. <http://www.geology.com>
- NAEP (National Association of Environment Professionals): Committed to achieving the highest standards of ethics and competency within the environmental professions. Includes an employment opportunities page <http://www.naep.org>
- National Science Foundation: an independent U.S. government agency responsible for promoting science and engineering through programs that invest over \$3.3 billion per year in almost 20,000 research and education projects in science and engineering. Site includes a listing of scholarships and fellowships as well as a page for Students under their "Special Programs" and Vacancy announcements under their "Online Documents". <http://www.nsf.gov/>
- ParkNet: The official website for the National Park Service. Includes interesting information about nature and science in the parks as well as an InfoZone with job opportunities. <http://www.nps.gov/>
- Science Magazine's Next Wave: the career development resource for scientists. <http://nextwave.sciencemag.org/>
- Society for Conservation Biology: Has job opportunity information. <http://conbio.net/SCB/Information>
- Student Conservation Association: America's largest and oldest provider of national and community conservation service opportunities, outdoor education and career training for youth. SCA volunteers and interns annually perform more than one million hours of conservation service in national parks, forests, refuges, and urban areas in all 50 states. Information on careers and opportunities. <http://www.sca-inc.org/>
- Ubiquity Environmental Careers Page: helps people who are interested in a career that is dedicated to the environment. Find advice on picking an environmental career that is right for you, find environmental jobs, learn how to apply for them, and more! <http://www.ag.ohio-state.edu/~envjobs/>

VU Career Center Resource Library Materials:

- *100 Best Nonprofits To Work For*
- *Big Green Internship Book : Internships And Summer Jobs For The Environment*
- *Book Of U.S. Government Jobs : Where They Are, What's Available, And How To Get One*
- *Career Opportunities In Politics, Government & Activism*
- *Career Opportunities In Science*
- *Careers For Civil Engineers [Computer File]*
- *Careers For Environmental Types & Others Who Respect The Earth*
- *Careers For Geoscientists [Computer File]*
- *Careers For Nature Lovers & Other Outdoor Types*
- *Complete Guide To Environmental Careers In The 21st Century*
- *Directory Of Independent Consulting Engineering & Land Surveying Firms In Illinois*
- *Earth Work : Resource Guide To Nationwide Green Jobs*
- *Environmental Engineering Selection Guide*
- *Federal Personnel Guide 2003*
- *For The Common Good: Internships With Social & Community Service Agencies 2003*
- *Government Job Finder*
- *Graduate Programs In Biology*
- *Graduate Programs In Education*
- *Graduate Programs In Physical Sciences*
- *GRE Exam 2003*
- *Great Jobs For Biology Majors*
- *Great Jobs For Environmental Studies Majors*
- *Guide To Undergraduate & Graduate Education In Urban And Regional Planning*
- *Non-Profits Job Finder*
- *Opportunities In Environmental Careers*

- *Opportunities In Forestry Careers*
- *Opportunities In Government Careers*
- *Opportunities In Marine And Maritime Careers*
- *Opportunities In Nonprofit Organization Careers*
- *Peterson's Graduate Programs In Business, Education, Health, Information Studies, Law & Social Work*
- *Peterson's Graduate Programs In Engineering & Applied Sciences*
- *Peterson's Graduate Programs In The Biological Sciences*
- *Peterson's Graduate Programs In The Physical Sciences, Mathematics, Agricultural Sciences, The Environment & Natural Resources*
- *PhD Factory : Training And Employment Of Science And Engineering Doctorates In The United States*
- *Porter County Resource Directory*
- *Project Book*
- *Response ... Directory Of Volunteer Opportunities*
- *Resumes For Environmental Careers*
- *and others!*

For more information about majoring in ENVIRONMENTAL SCIENCE, contact:

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For more questions about your career decisions, please make an appointment with a VU Career Counselor by calling 464-5005, stopping by the Career Center in Alumni Hall or e-mailing us at Career.Center@valpo.edu
