

What Can I Do With a Major in **ENVIRONMENTAL SCIENCE?**

Environmental science is a multidisciplinary academic field that integrates physical, biological and information sciences designed to study the environment and develop solutions regarding environmental problems.

Environmental science incorporates more of the social sciences for understanding human relationships, perceptions and policies towards the environment. Environmental engineering focuses on design and technology for improving environmental quality in every aspect. Environmental scientists work on subjects like the understanding of earth processes, evaluating alternative energy systems, pollution control and mitigation, natural resource management, and the effects of global climate change. Environmental issues almost always include an interaction of physical, chemical, and biological processes. Different emphasis areas may include lab and field research and consulting, policy and planning, resource management, environmental safety, education and communication.

Typical Coursework

Biology-- General
Calculus
Ecology
Geology
Physics

Biology- Animal
Computers
Environmental Ethics
Microbiology
Statistics

Biology--Plant
Chemistry
Environmental Science
Natural Resources

Skills and Abilities

Reason, analyze and problem solve
Perceive, visualize and compare patterns
Attention to detail
Understand and utilize scientific principals
Write and communicate well
Be aware of possible long-term outcomes and consequences

Related Occupations

Agricultural Scientist
Conservation Biologist
Environmental Advocacy
Environmental Engineer
Fish & Game Wardens
Hazardous Material Worker
Natural Resource Scientist
Park Naturalist

Climate Change Analyst
Ecologist
Environmental Consultant
Environmental Technician
Forensic Science
Mining Engineer
Safety Specialist
Petroleum Engineer

Compliance Officers & Inspector
Energy Auditors
Environmental Education
Fire Protection Technologist
Forestry
Natural Resource Scientist
Occupational Health Specialist
Water Resources

Who hires for this Occupation?

These individuals tend to work for the government, hospitals, military, research firms, consulting, environmental advocacy organizations and colleges & universities.

MN Colleges and Universities with a major in Environmental Science

Augsburg College	Minnesota State Univ., Mankato
Bemidji State University	Minnesota State Univ., Moorhead
Bethany Lutheran College	Saint John's University
Bethel University	Saint Mary's University v. of MN, Mpls.
Carleton College	Saint Mary's University of MN, Winona
College of Saint Benedict	Southwest State University
College of Saint John's	St. Catherine University
College of St. Scholastic	St. Cloud State University
Concordia College	St. Olaf College
Concordia University	University of MN, Crookston
Gustavus Adolphus College	University of MN, Duluth
Hamline University	University of MN, Morris
Macalester College	University of MN, Twin Cities
Univ. of Northwestern, St. Paul	Winona State University

Professional Association Links

American Aquarium and Zoo Association, <http://www.aza.org>
American Fisheries Society, <http://www.fisheries.org>
The American Institute of Biological Sciences, <http://www.aibs.org/home/index.html>
The American Society for Cell Biology, <http://www.ascb.org>
American Society for Microbiology (ASM), <http://www.asm.org>
Associate for the Sciences of Limnology and Oceanography, <http://aslo.org>
Ecological Society of America, <http://www.esa.org/esa/>
Federation of American Societies for Experimental Biology, <http://faseb.org>
Geological Survey of Biological Resources, <http://www.usgs.gov>
North American Association for Environmental Education, <https://naaee.org/>
The Wildlife Society, <http://wildlife.org/>

For more information

Contact ARCC Career Counseling: (763) 433-1240 (CR campus), (763) 433-1840 (Cambridge campus) or stop by the campus Information Desk

Information adapted from: Minnesota Career Information System <https://mncis.intocareers.org>