

O*NET OnLine

O*NET OnLine is a resource that maintains detailed descriptions of an extensive list of occupations. You can use this resource for career exploration and job analysis as you seek to determine your future career path.

The numbers presented in this guide are O*NET-SOC codes for the corresponding profession title or similar profession on onetonline.org. Enter the code in the occupation search on the home page to take you to a wealth of information about the profession, including more specific job titles, required skills, credentialing, and salary.

Additional career exploration resources can be found on our [website](#).

Areas of Employment

- Academic organizations
- Corporate organizations
- Federal/state/city government
- Cities and County Health Departments
- Industry
 - Oil and gas
 - Manufacturing
 - Services
 - Transportation
- Non-profit
- Military
- Other private sector organizations

Possible Job Titles

- Air Pollution Analyst
- Biosecurity Specialist
- Climate Change Analyst (19-2041.01)
- Corporate Health and Safety Officer
- Disaster Management Specialist
- Environmental Compliance Inspector (13-1041.01)
- Environmental Restoration Planner (19-2041.02)
- Environmental Scientist and Specialist (19-2041.00)
- Groundwater Protection Specialist
- Industrial Ecologist (19-2041.03)
- Industrial/Occupational Hygienist (29-9011.00)
- Occupational Health & Safety Specialist (29-9011.00)
- Risk Assessor
- Soil and Water Conservationists (19-1031.01)
- Toxicologist
 - Chemist (19-2031.00)
 - Biochemist and Biophysicist (19-1021.00)

Possible Job Titles

With Doctoral Training

- Chief Sustainability Officer (11-1011.03)
- Emergency Management Director (11-9161.00)
- Professor, Environmental Health (25-10053.00)
- Environment, Safety and Health Director

Primary Competencies

- Identify key sources of data for epidemiological purposes
- Describe a public health problem in terms of magnitude, person, time, and place
- Explain the importance of epidemiology for informing scientific, ethical, economic, and political discussion of health issues

MPH Specific

- Describe environmental health hazards, identifying public health problems caused by these hazards.
- Assess the available methods for environmental characterization and exposure assessment, proposing mitigation strategies for the prevention and/or control of environmental problems.
- Locate, organize, and synthesize information and data in the peer-reviewed literature and from other sources related to environmental health sciences, considering the quality and suitability of literature and data.
- Describe regulatory programs, including effectiveness, in the context of legislative authorities that deal with environmental health issues at the local, state, federal, and international levels.
- Describe the function, structure and financing of environmental programs
- Explain approaches to risk management, communicating risk issues effectively.

PhD Specific

- Identify and critically evaluate an environmental health problem, and develop and implement a research study
- Teach academic and professional audiences
- Communicate effectively to peers, policy makers, and the lay public
- Gain skills to establish and manage an independent research program in environmental health science

Top Skills Preferred by Employers

- Technical expertise
- Critical thinking
- Database and spreadsheet technical proficiency
- Effective communication
- Inductive/deductive reasoning
- Judgement and decision-making
- Knowledge of OSHA and USEPA
- Manage employee compliance
- Reading/writing/verbal comprehension

Professional Associations

- Air & Waste Management Association
- Alliance of Hazardous Materials Professionals
- American Industrial Hygiene Association (AIHA)
- American Conference of Governmental Industrial Hygienists (ACGIH)
- American Planning Association (APA)
- American Public Health Association (APHA)
- American Water Works Association
- Association of Environmental Studies and Sciences
- Association of Occupational and Environmental Clinics (AOEC)
- Ecological Society of America (ESA)
- International Water Association
- National Association of Environmental Professionals
- American Society of Safety Professionals (ASSP)
- North American Association of Environmental Education (NAAEE)
- National Environmental Health Association (NEHA)
- Soil and Water Conservation Society (SWCS)
- Texas Association of Environmental Professionals

Examples of Employers

Texas

- Dallas County Public Health
- El Paso Water
- Houston Health and Human Services
- HealthTrust Workforce Solutions, Austin
- Mainland Medical Center, Texas City
- Siemens AG, Irving
- Texas Department of State Health Services, Office of Border Public Health, El Paso
- Zachry Group, San Antonio

National

- Batta Environmental Associates, Inc., Newark, DE
- Boston University, Boston, MA
- Centers for Disease Control and Prevention (CDC), main campus in Atlanta, GA
- National Institutes of Health (NIH), main campus in Bethesda, MD
- Mercy Health Ministry, Oklahoma City, OK
- U.S. Navy, National
- U.S. Coast Guard, National
- U.S. Air Force, National
- U.S. ARMY, National
- U.S. Department of Agriculture
- U.S. Department of Labor, Andover, MA
- U.S. Environmental Protection Agency
- Utility companies
- Consulting companies
- Universities
- Health care
- Oil and Gas companies
- Chemical Companies
- National Institute for Occupational Health and Safety
- U.S. Department of Labor, Occupational Safety and Health Administration
- Waste Management companies