

Environmental Engineers

SOC: 17-2081 • Career Profile Report

■ Key Facts

\$104,170 Median Salary	39,400 Employment	+4.0% Growth Rate
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■ Requirements & Salary Range

Education: Bachelor's degree

■ Automation Risk Assessment

Low Risk - 17.0% probability of being automated in the next 10-20 years.
This job is relatively safe from automation due to its creative, social, or complex problem-solving requirements.

■ Work-Life Balance

6.6/10 - Good work-life balance

■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	8.2/10	Investigative	8.8/10
Artistic	6.4/10	Social	5.2/10
Enterprising	5.8/10	Conventional	6.6/10

■ Top Skills Required

Communication skills, Creativity, Interpersonal skills, Math skills, Problem-solving skills

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Environmental Engineers typically perform the following tasks:

- Design, or supervise the design of, systems, processes, or equipment for control, management, or remediation of water, air, or soil quality.
- Assess the existing or potential environmental impact of land use projects on air, water, or land.
- Collaborate with environmental scientists, planners, hazardous waste technicians, engineers, experts in law or business, or other specialists to address environmental problems.
- Advise corporations or government agencies of procedures to follow in cleaning up contaminated sites to protect people and the environment.
- Develop proposed project objectives and targets and report to management on progress in attaining them.
- Monitor progress of environmental improvement programs.
- Prepare, review, or update environmental investigation or recommendation reports.
- Prepare, maintain, or revise quality assurance documentation or procedures.
- Develop site-specific health and safety protocols, such as spill contingency plans or methods for loading or transporting waste.
- Provide technical support for environmental remediation or litigation projects, including remediation system design or determination of regulatory applicability.
- Prepare or present public briefings on the status of environmental engineering projects.
- Assist in budget implementation, forecasts, or administration.
- Coordinate or manage environmental protection programs or projects, assigning or evaluating work.
- Advise industries or government agencies about environmental policies and standards.
- Obtain, update, or maintain plans, permits, or standard operating procedures.
- Direct installation or operation of environmental monitoring devices or supervise related data collection programs.
- Inspect industrial or municipal facilities or programs to evaluate operational effectiveness or ensure compliance with environmental regulations.
- Request bids from suppliers or consultants.
- Inform company employees or other interested parties of environmental issues.
- Serve as liaison with federal, state, or local agencies or officials on issues pertaining to solid or hazardous waste program requirements.

*Generated by StartRight • Data from U.S. Bureau of Labor Statistics & O*NET*

Source: <https://www.bls.gov/ooh/architecture-and-engineering/environmental-engineers.htm>