

Environmental Engineering Technologists and Technicians

SOC: 17-3025 • Career Profile Report

■ Key Facts

\$58,890

Median Salary

12,900

Employment

+1.0%

Growth Rate

■ Requirements & Salary Range

Education: Associate'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

6.4/10 - 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, Critical-thinking skills, Observational skills, Problem-solving skills, Reading skills

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Environmental Engineering Technologists and Technicians typically perform the following tasks:

- Maintain project logbook records or computer program files.
- Record laboratory or field data, including numerical data, test results, photographs, or summaries of visual observations.
- Perform environmental quality work in field or office settings.
- Produce environmental assessment reports, tabulating data and preparing charts, graphs, or sketches.
- Collect and analyze pollution samples, such as air or ground water.
- Decontaminate or test field equipment used to clean or test pollutants from soil, air, or water.
- Prepare and package environmental samples for shipping or testing.
- Maintain process parameters and evaluate process anomalies.
- Review technical documents to ensure completeness and conformance to requirements.
- Receive, set up, test, or decontaminate equipment.
- Prepare permit applications or review compliance with environmental permits.
- Review work plans to schedule activities.
- Assist in the cleanup of hazardous material spills.
- Inspect facilities to monitor compliance with regulations governing substances, such as asbestos, lead, or wastewater.
- Develop work plans, including writing specifications or establishing material, manpower, or facilities needs.
- Perform statistical analysis and correction of air or water pollution data submitted by industry or other agencies.
- Arrange for the disposal of lead, asbestos, or other hazardous materials.
- Evaluate and select technologies to clean up polluted sites, restore polluted air, water, or soil, or rehabilitate degraded ecosystems.
- Assess the ability of environments to naturally remove or reduce conventional or emerging contaminants from air, water, or soil.
- Work with customers to assess the environmental impact of proposed construction or to develop pollution prevention programs.

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

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