Environmental Science & Protection Technicians, Including Health

Also called: Environmental Technician, Environmental Specialist, Laboratory Specialist, Process Laboratory Specialist

What they do:
Performs laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health. Under direction of an environmental scientist or specialist, may collect samples of gases, soil, water, and other materials for testing and take corrective actions as assigned.

On the job, you would:
- Collect samples of gases, soils, water, industrial wastewater, and asbestos products to conduct tests on pollutant levels and identify sources of pollution.
- Record test data and prepare reports, summaries, and charts that interpret test results.
- Develop and implement programs for monitoring of environmental pollution and radiation.

<table>
<thead>
<tr>
<th>KNOWLEDGE</th>
<th>SKILLS</th>
<th>ABILITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math and Science</td>
<td>Basic Skills</td>
<td>Verbal</td>
</tr>
<tr>
<td>- chemistry</td>
<td>- reading work related information</td>
<td>- read and understand what is written</td>
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<tr>
<td>- arithmetic, algebra, geometry, calculus, or statistics</td>
<td>- listening to others and asking good questions</td>
<td>- communicate by speaking</td>
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<tr>
<td>Engineering and Technology</td>
<td>- noticing a problem and figuring out the best way to solve it</td>
<td>Ideas and Logic</td>
</tr>
<tr>
<td>- computers and electronics</td>
<td>- thinking about the pros and cons of different options and picking the best one</td>
<td>- notice when problems happen</td>
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<tr>
<td>- product and service development</td>
<td>- figuring out how a system should work and how changes in the future will affect it</td>
<td>- use rules to solve problems</td>
</tr>
<tr>
<td>Safety and Government</td>
<td>People and Technology Systems</td>
<td>Math</td>
</tr>
<tr>
<td>- public safety and security</td>
<td>- choosing the right type of math to solve a problem</td>
<td>- choose the right type of math to solve a problem</td>
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<tr>
<td>- law and government</td>
<td>- adding, subtracting, multiplying, or dividing</td>
<td>- add, subtract, multiply, or divide</td>
</tr>
<tr>
<td>Arts and Humanities</td>
<td>- English language</td>
<td>Attention</td>
</tr>
<tr>
<td>- English language</td>
<td></td>
<td>- pay attention to something without being distracted</td>
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</tbody>
</table>
**PERSONALITY**

People interested in this work like activities that include ideas, thinking, and figuring things out.

They do well at jobs that need:

- Integrity
- Analytical Thinking
- Attention to Detail
- Dependability
- Cooperation
- Initiative

**TECHNOLOGY**

You might use software like this on the job:

**Analytical or scientific software**

- FishXing software
- Flood modeling software

**Map creation software**

- ESRI ArcInfo
- ESRI ArcView

**Computer aided design CAD software**

- Autodesk AutoCAD software
- Autodesk Softdesk

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**EDUCATION**

*bachelor's degree or master's degree* usually needed

Get started on your career:

- Find training
- Registered apprenticeship

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**JOB OUTLOOK**

New job opportunities are very likely in the future.

**SALARY**: $40,490 per year in S.C., on average

- Local salary info
- Find jobs

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**EXPLORE MORE**

These occupations can provide helpful experience or career alternatives for environmental science and protection technicians, including health:

- Chemical Technicians
- Chemists
- Food Science Technicians
- Soil & Plant Scientists

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