

Biological Technicians

SOC: 19-4021 • Career Profile Report

■ Key Facts

\$52,000

Median Salary

82,700

Employment

+3.0%

Growth Rate

■ Requirements & Salary Range

Education: Bachelor's degree

■ Automation Risk Assessment

Low Risk - 8.0% 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

7.5/10 - Good work-life balance

■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	6.2/10	Investigative	9.4/10
Artistic	5.6/10	Social	6.4/10
Enterprising	4.8/10	Conventional	6.4/10

■ Top Skills Required

Analytical skills, Communication skills, Detail oriented, Observational skills, Technical skills

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Biological Technicians typically perform the following tasks:

- Conduct research, or assist in the conduct of research, including the collection of information and samples, such as blood, water, soil, plants and animals.
- Use computers, computer-interfaced equipment, robotics or high-technology industrial applications to perform work duties.
- Monitor and observe experiments, recording production and test data for evaluation by research personnel.
- Analyze experimental data and interpret results to write reports and summaries of findings.
- Provide technical support and services for scientists and engineers working in fields such as agriculture, environmental science, resource management, biology, and health sciences.
- Keep detailed logs of all work-related activities.
- Input data into databases.
- Isolate, identify and prepare specimens for examination.
- Set up, adjust, calibrate, clean, maintain, and troubleshoot laboratory and field equipment.
- Clean, maintain and prepare supplies and work areas.
- Monitor laboratory work to ensure compliance with set standards.
- Place orders for laboratory equipment and supplies.
- Participate in the research, development, or manufacturing of medicinal and pharmaceutical preparations.
- Feed livestock or laboratory animals.
- Conduct standardized biological, microbiological or biochemical tests and laboratory analyses to evaluate the quantity or quality of physical or chemical substances in food or other products.
- Examine animals and specimens to detect the presence of disease or other problems.
- Measure or weigh compounds and solutions for use in testing or animal feed.

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

Source: <https://www.bls.gov/ooh/life-physical-and-social-science/biological-technicians.htm>