

Calibration Technologists and Technicians

SOC: 17-3028 • Career Profile Report

■ Key Facts

\$65,040 Median Salary	15,800 Employment	+5.0% 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

7.2/10 - 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, Detail oriented, Dexterity, Physical strength, Technical skills

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Calibration Technologists and Technicians typically perform the following tasks: • Analyze test data to identify defects or determine calibration requirements. • Attend conferences, workshops, or other training sessions to learn about new tools or methods. • Calibrate devices by comparing measurements of pressure, temperature, humidity, or other environmental conditions to known standards. • Conduct calibration tests to determine performance or reliability of mechanical, structural, or electromechanical equipment. • Develop new calibration methods or techniques based on measurement science, analyses, or calibration requirements. • Disassemble and reassemble equipment for inspection. • Draw plans for developing jigs, fixtures, instruments, or other devices. • Maintain or repair measurement devices or equipment used for calibration testing. • Operate metalworking machines to fabricate housings, jigs, fittings, or fixtures. • Order replacement parts for malfunctioning equipment. • Plan sequences of calibration tests according to equipment specifications and scientific principles. • Read blueprints, schematics, diagrams, or technical orders. • Verify part dimensions or clearances using precision measuring instruments to ensure conformance to specifications. • Visually inspect equipment to detect surface defects. • Write and submit reports about the results of calibration tests.

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

Source: <https://www.bls.gov/ooh/installation-maintenance-and-repair/calibration-technologists-and-technicians.htm>