

Blacksburg Location
2001 Kraft Drive
Blacksburg, VA 24060



Radford Location
20 Corporate Drive
Radford, VA 24141

**Job Title: Automation Engineer
1.2021**

Company Overview

TECHLAB®, Inc. was founded in 1989 by scientists from the Virginia Tech Anaerobe Lab, one of the only three institutions in the world dedicated to the study of anaerobic organisms. In the late 1970's and early 1980's, research headed by Dr. Tracy Wilkins began on *Clostridium difficile* and its toxins.

Today the company is poised for high growth through private equity funding and develops, manufactures and distributes intestinal diagnostics worldwide retaining an emphasis on science and collaborations with universities. Products are focused in the areas of intestinal inflammation, antibiotic associated diarrhea and parasitology. Research continues on markers of intestinal inflammation, the toxins of *Clostridium difficile*, amebiasis and vaccine development. TECHLAB®, Inc. has ISO 13485 certification along with FDA registration. For more information, visit www.techlab.com.

Job Summary

The job of the Automation Engineer is to specify, design and maintain a variety of manufacturing and production related equipment. The Automation Engineer can expect performing task and covering subjects such as process control, validation, mechatronics, digital control systems, control electronics, electromechanics, robotics, fluid dynamics, statistics, and computer-aided design (CAD). Ensuring compliance with regulatory requirements with automated manufacturing and extensive documentation of work activities. The Automation Engineer will work from the Radford facilities and will report directly to Senior Manufacturing Engineer.

Work Activities

- Project and time management
- Recommending, Designing, Simulating, programming, and operational testing of electrical or mechanical automation
- Maintain, repair and troubleshooting of automation system controls, including but not limited to: Motors, Drives, PLC, User interfaces and Robotic Systems
- Developing and maintaining clear and accurate documentation for automated equipment, process, and validations as pertains to GAMP, USDA, FDA and ISO regulations
- Maintain and monitor manufacturing automation and quality of output as on an ongoing basis to align with lean manufacturing standards and practice
- Performing preventative and reactive maintenance on manufacturing automation

- Source vendors and Purchasing to maintain spare parts inventory
- Perform in house equipment calibrations
- Perform wiring and wiring repair for equipment and facility as needed, working with AC and DC Voltage
- Adhere to all safety and OSHA requirements when performing machine maintenance
- Perform Non-Conformity investigations and root cause analysis for (NCR, Defect, OOS)
- Travel for training and testing on new equipment

Tools and Equipment Used

Microsoft Office Suite

Electrical Equipment

Power tools (Drill, saw, pallet jack, chop saw, band saw)

Hand tools (screwdriver, multi-meter, caliper)

Rockwell Automation Software Suites

Keyence Vision and Marking Editor

Job Context

TechLab maintains a climate-controlled environment for the job of Equipment Maintenance Technician. The Automation Engineer can expect to work, occasionally, in cold or hot weather. An employee in this position must be able to lift upwards of 55lbs. A typical workday is Monday through Friday 8:00 to 4:30 or 8:30 to 5:00. Overtime is occasionally necessary with or without advance notice.

Minimum Qualifications

Associates Degree in related field + 2 years of relevant experience