



**Job Title:** Automation Technician  
**Department:** Facilities  
**Reports To:** Plant Engineering Manager  
**Direct Reports:** No  
**FLSA status:** Non-Exempt

### **Job Summary**

Apply knowledge of mechanical, electrical, and computer engineering theory and methods to the design of automation, intelligent systems, smart devices, or industrial systems control by performing the following duties.

### **Job Duties**

- Designs, develops, and tests all aspects of control systems and components, equipment, and machinery.
- May be responsible for the installation and operational qualification of tool/jig, equipment, control system, PLC based hardware and software plus all associated documentation.
- May use computer-assisted design software and equipment to perform assignments.
- Applies principles and techniques of electrical/mechanical engineering to accomplish goals.
- Installs, troubleshoots, and maintains products/equipment.
- Trains employees, identifies, analyzes, and repairs product failures, orders and replaces parts as needed.
- Determines and recommends which products or services best fit the project needs.
- Other duties/projects as assigned.

### **Impact**

- Provides daily maintenance in specialized areas that require a multi-disciplinary base of technical understanding for complex troubleshooting, modification, assembly and/or testing.
- Communicates with Plant Engineering Manager to gain approval/escalate necessary changes for plant maintenance.

### **Safety Responsibilities**

- Following all rules, regulations and procedures set forth in the safety manual.
- Promoting safety awareness throughout the workplace.
- Alerting supervisors to any safety hazards they discover.
- Wearing appropriate, proper protective equipment whenever required.
- Using guards on tools and machinery whenever required.
- Following proper lifting techniques using legs and not the back.
- Operating any vehicles, equipment, tools or machines only if they are authorized to do so.
- Reporting any injury or loss immediately to the supervisor/team lead.
- Promoting a positive attitude about safety and never performing any unsafe practice that could place the employee or others in danger.
- Providing information to his/her immediate supervisor if a better and safer procedure can be implemented in performing any operation.

**Independent Judgment**

- Ability to define problems, collect data, establish facts, and draw valid conclusions.
- Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

**Analysis/Problem Solving**

- Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations.
- Ability to apply mathematical operations to such tasks as frequency distribution, determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis.

**Communication**

- Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations.
- Ability to write reports, business correspondence, and procedure manuals.
- Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.

**Skills/Technical Skills**

- Familiar with a variety of electrical and control system concepts, practices, and procedures.
- Familiar with medical device equipment design concepts, practices, and procedures.
- PLC knowledge as well as Robotics training a plus.
- Proficient in Solidworks or another type of design software (ACAD, Pro-E, etc.)
- Equipment/system design (mechanical and electrical)
- Hands on ability (basic electro-mechanical, wiring, etc)

**Knowledge**

- Understands regulated type industries a plus.
- Knowledge of medical device manufacturer and supplies knowledge a plus.
- World-class manufacturing knowledge a plus.

**Physical Requirements**

- While performing the duties of this job, the employee is occasionally required to stand; walk; sit; use hands to finger, handle, or feel; reach with hands and arms; talk or hear; and taste or smell.
- The employee must occasionally lift and/or move up to 35 pounds.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

**Education**

- Associates or Bachelor's degree in Electro-mechanical Engineering Technology or a related technical discipline.

**Experience**

- Some practical experience in electrical/electronic systems through internships/ entry-level position.
- 2-4 years of machinery maintenance or fabrication preferred or equivalent combination of education and experience.