

Quality Assurance Skill Levels

Level – I (Quality Tech)

Inspect processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications.

Skills

- Mechanically inclined
- Knowledge of basic measuring equip., rulers, calipers, micrometers
- Attention to detail (demonstrated)
- Shop math
- Blueprint (move possibly to #2)
- Good communication skills
- Good writing skills
- MS office experience
- Willing to learn about other manufacturing jobs
- Customer service skills (internal & external)

Key Success Factors

- Driver's license required
- People skills; Communication
- Team work ; Critical thinking skills, Problem solving; Conflict resolution
- Ethics, Personal responsibility
- Honestly/integrity; Accuracy
- Business Etiquette

Education/Experience

- 1 year work experience/does not need to be in mfg.
- GED/HS minimum
- \$12 - \$14 per hour

Level – II (Quality Inspector)

Will use precision measuring instruments and complex test equipment to ensure products meet specifications.

Skills

- Math, geometry, trig, proficient in Excel, Access, basic chemistry, basic statistics, high school physics
- Demonstrate leadership ability
- Calibration skills
- Knowledge of threads, mechanical aptitude
- Understanding of lean and ISO principals
- Ability to operate CMM, advanced measuring equipment.
- Organizational skills
- Basic machining knowledge
- Understanding ability to follow various specifications

Key Success Factors

- Product & material science knowledge
- Calipers, micrometers, ruler
- CAD; Blueprint reading
- Basic knowledge GD&T
- Enhanced Level I

Education/Experience

- 2 – 3 years exp in mfg.
- 2 year Associate Degree/ASO cert or 1-3 years experience in mfg
- \$14 – 18 per hour

Level – III (Quality Engineer)

Design, develop, test, and evaluate integrated systems for managing industrial production processes, including, quality control, inventory control, logistics and material flow, cost analysis, and production coordination

Skills

- Operate CMM (interpret results)
- Portable CMM; Laser trackers
- Comprehensive understanding of GD&T; SPC (statistical process control)
- More software
- Proficient in use of CAD (manipulate model)
- Certified in specialized disciplines such as CW1, 6 sigma, NDE, ASQ
- Certified as a Lead Auditor; Welding inspector.
- Troubleshooting: root cause analysis, cause/effect, corrective action, pa
- Interface with sales & proposals, SPC/SQC

Key Success Factors

- Technical writing: ability to read procedures
- Multi-tasking is huge.
- Supervision/Lead
- Working knowledge of Six Sigma
- Advanced problem solving
- Enhanced Levels I & II

Education/Experience

- B.S. Engineering (Mechanical/Industrial)
- Experience 3-5 years or AAS preferred + 1-2 years experience in quality
- \$16 - \$24 per hour

Level IV (Quality Manager)

Plan, direct, or coordinate quality assurance programs. Formulate quality control policies and control quality of laboratory and production efforts

Skills

- Heavy in statistics (black belt a plus)
- Financial (cost benefit analysis)
- Industry specific
- ISO & 9000 preferred
- GD&T
- Project Management background/exp.
- Good time management skills

Key Success Factors

- Strong people skills-cross departmental interaction with all levels
- Highest ethical/trustworthy
- Must be fair, conflict resolution oriented

Education/Experience

- Industrial Engineer or Chemical Engineer preferred
- 2-5 years experience
- \$30+ per hour



Job Titles

- Quality Tech
- Quality Inspector
- Quality Engineer
- Quality Manager

Education Providers

Service Technicians

ECC Industrial Technology

Soft skills

Business etiquette

