

Quality Assurance Engineer: Associate Principal Quality Assurance Engineer

Develops, modifies, applies and maintains quality evaluation and control systems and protocols for processing materials into partially finished or finished materials product. Collaborates with engineering and manufacturing functions to ensure quality standards are in place. Devises and implements methods and procedures for inspecting, testing and evaluating the precision and accuracy of products and production equipment. Designs and analyzes inspection and testing processes, mechanisms and equipment; conducts quality assurance tests; and performs statistical analysis to assess the cost of and determine the responsibility for, products or materials that do not meet required standards and specifications. Audits quality systems for deficiency identification and correction. Ensures that corrective measures meet acceptable reliability standards and that documentation is compliant with requirements. May specialize in the areas of design, incoming material, production control, product evaluation and reliability, inventory control and/or research and development as they apply to product or process quality. May be certified in lean and six-sigma quality engineering methodologies.

Discretion/Latitude

Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Completed work is reviewed from a relatively long-term perspective for desired results.

Knowledge, Skills and Abilities

Applies extensive technical expertise, and has full knowledge of other related disciplines. Answers technical questions regarding products and services, and may take part in putting together proposals, configurations, and product offerings.

Problem Solving

Develop technical solutions to complex problems that require the regular use of ingenuity and creativity.

Impact

Regularly called upon to function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organization objectives

Liaison

Represents the organization as the prime technical contact on contracts and projects. Interacts with senior external personnel on significant technical matters often requiring coordination between organizations.

Minimum Education and Experience

10-12+ years with BS in designated Engineering or related field. Employees usually have advanced degree in field of specialization.