



Two Quality Engineer Job Openings at our Culpeper, VA location

Aerojet Rocketdyne is an innovative company delivering solutions that create value for its customers in the aerospace and defense markets. The company is a world-recognized aerospace and defense leader that provides propulsion and energetics to the space, missile defense and strategic systems, tactical systems and armaments areas, in support of domestic and international markets. Additional information about Aerojet Rocketdyne can be obtained by visiting our websites at www.Rocket.com and www.AerojetRocketdyne.com.

To apply for the Quality Engineer position:

Please visit our website, www.rocket.com/job-search, click Job Listings and then enter job number 10082. Or you can click this link to take you directly to the page to apply, <https://jobs-aerojet-rocketdyne.icims.com/jobs/10082/quality-engineer/job>.

To apply for the Senior Quality Engineer position:

Please visit our website, www.rocket.com/job-search, click Job Listings and then enter job number 10711. Or you can click this link to take you directly to the page to apply, <https://jobs-aerojet-rocketdyne.icims.com/jobs/10711/sr.-engineer%2c-quality/job>.

Job Descriptions

QUALITY ENGINEER

Aerojet Rocketdyne seeks a **Quality Engineer** to work out of our Culpeper, VA office. This position performs Quality Engineering for specific contracted space programs, including planning and implementing methods to ensure customer specifications and engineering requirements are effectively met. Under limited general direction, performs quality engineering assignments requiring a wide application of advanced principles, theories and concepts in the field plus a working knowledge of other related disciplines. This position will be located at our Culpeper, Virginia facility.

RESPONSIBILITIES:

50% - Provides innovative, thorough and practical solutions to a wide range of technical challenges, involving the conventional utilization of quality engineering techniques. Conceives and plans projects involving the development of new methods of dimensional inspection objectives. Reviews engineering designs and specifications for translation into inspection verification methods.

20% - Reviews manufacturing process planning to ensure compliance with drawing, specification and contractual requirements. Provides technical guidance to less senior quality engineers, inspection, manufacturing and test personnel.

10% - Performs failure mode effect analysis of product design disclosure documents and specifications, utilizing inspection analysis tools and six sigma principles.

10% - Determines gage and instrumentation adequacy, gage R & R studies to determine process capabilities, needs and future usage.

10% - Develops, implements and reviews corrective action and process improvements by bench marking practices.

SECONDARY JOB FUNCTIONS: Develops and applies new and advanced methods to meet new or unusual requirements. Keeps current within area of specialty in support of Global production and R & D projects.

QUALIFICATIONS:

- Requires a Bachelor's degree in Mechanical Engineering, Aerospace Engineering or related discipline and three (3) years of related technical experience (or an equivalent combination of education and experience).
- ASME 14.5 structure knowledge with ability to train on same platform.
- Must be able to travel 25% of the time.
- Must be able to obtain and maintain a U.S. Security Clearance at the appropriate level (requires U.S. Citizenship).

SENIOR QUALITY ENGINEER

Aerojet Rocketdyne is seeking a **Sr. Quality Engineer** for our Culpeper, VA office.

Position provides imaginative, thorough and practical solutions to a wide range of technical problems through the application of Quality Engineering disciplines and tools. Integrate Lean Manufacturing practices into Inspection processes (i.e. poke yoke, waste reduction, Build Quality In, etc.) Must be proactive and have demonstrated problem solving skills.

RESPONSIBILITIES:

50% - Provides Quality Engineering direction to the factory operators and inspectors. This includes, but is not limited to:

- Requirements interpretation. Ensures operators and inspectors have the correct understanding of engineering drawing implementation through manufacturing planning instructions.
- Requirements flowdown: Ensure program design and process documents for area of responsibility include program quality requirements and that products are inspectable.
- Planning review and approval. Independently reviews manufacturing planning to ensure appropriate design engineering requirements implementation, material traceability maintenance, quality record maintenance and operator and inspector sign-offs. Designates inspection/verification needs.
- Process Failure Modes and Effects Analysis (PFMEA). Leads effort to quantify and reduce risk using this quality tool. Is considered the process expert.

- Process mistake proofing/improvement. Actively participates in improvement teams to reduce risk through the application of mistake proofing principles.

- Inspects method development and implementation. Develops, implements and monitors new or existing inspection methods to ensure products meet stated engineering requirements.

- Program and company procedural compliance. Ensures compliance to all quality system requirements through a thorough knowledge of documented requirements.

- Process auditing. Independently conducts process audits to ensure processes are following manufacturing planning, program requirements and enterprise level command media.

20% - Actively participates in the Material Review Board, including segregation and control of nonconforming hardware to preclude inadvertent processing, disposition nonconforming hardware, preparing for and conducting board meetings, and implementing disposition decisions.

20% - Drives corrective and preventive action to ensure continual improvement. Investigates and determines root causes of problems. Develops and implements corrective and preventive actions.

10% - Manages other projects as assigned. Provides imaginative, thorough and practical solutions to a wide range of technical problems through the application of quality engineering disciplines and tools.

QUALIFICATIONS:

- Bachelor's degree in an appropriate discipline and five (5) years of directly related experience, or an equivalent combination of education and experience.
- Demonstrated communication and interpersonal skills and the ability to operate in a team environment.
- Computer skills sufficient to generate basic reports and analyze data using MS Excel, MS PowerPoint, and MS Word software.
- Must be able to obtain and maintain a U.S. Security Clearance at the appropriate level (requires U.S. Citizenship).

Desirable Qualifications:

- Experience with solid rocket component fabrication, electro-mechanical parts assembly and Final Assembly and Check-out and/or Avionics.
- ASQ certifications.
- Demonstrated communication and interpersonal skills and the ability to operate in a team environment.
- Experience implementing cost-effective, LEAN inspection/verification methods or Key Characteristics (ref AS9103) is desired.