



Example of Principal Manufacturing Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of principal manufacturing engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for principal manufacturing engineer

- Organize and lead readiness reviews
- Evaluate and correct anomalies on flight hardware
- Create production readiness plans
- Resolve issues that may threaten schedule compliance
- Applies advanced engineering principles to perform complex functions in the design, fabrication, modification and/or evaluation of manufacturing operations Prepares complicated plans, conducts complex support studies and provides analysis or tests in the development of manufacturing operations May plan, conduct, and/or technically direct a project or portion of Analyzes complex technical problems and recommends corrective actions
- Responsibilities are complex in scope where detailed analysis of situations or data involves variable factors
- Acts independently, is able to determine methods/procedures on new/special assignments
- Independently develops clear and specific objectives for given assignments that may require the investigation of several alternative solutions
- Applies metal machining expertise to lead moderate to large scope assessments of new manufacturing equipment or processes
- Evaluates current manufacturing equipment and processes and justifies recommendations for future solutions based on key factors like part cost, net present value

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- Bachelor's Degree or higher in electronics engineering, computer science, physics or equivalent
 - 6/8 years minimum experience with optics
 - Work with new product teams and advise on robust design and design for manufacturability of new products
 - Translate customer (internal and external) expectations into project plans
 - Drive the use of scientific molding to develop standard processes
 - Maintain compliance to the Quality Management System (QMS) requirements