



# Example of Principal Mechanical Engr Job Description

Powered by [www.VelvetJobs.com](http://www.VelvetJobs.com)

Our company is growing rapidly and is hiring for a principal mechanical engr. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for principal mechanical engr

- Mentor and lead CPT leads and junior engineers
- Work in coordination with the Program office to interact with customer and end-user representatives in developing system requirements
- Defining and establishing manufacturing processes that are cost effective and meet quality requirement
- Improving processes to increase productivity and competitiveness
- Close interaction with personnel responsible for NC programming, inspection equipment programming, machining, assembly, tool design and methodization
- Meeting cost & schedule commitments while maintaining high standards of quality
- Mentoring junior and mid-level career manufacturing engineers
- Leading DFSS/DMADV lean initiatives
- In partnership with customer management, lead the design of Mechanical Ground Support Equipment (MGSE)
- As part of the customer team, will act as the cognizant engineer to provide technical expertise and guidance to mechanical designers as they design mechanical ground support equipment

## Qualifications for principal mechanical engr

- Ability to handle responsibilities with effective interpersonal skills
- Knowledge in engineering materials, mass production manufacturing processes and capabilities, tolerance analysis, CFD (Flotherm/IcePak),

- Must have strong communication/presentation skills and some background in basic engineering design
- Play a key role in ensuring the final design meets the marketing requirements, quality and cost goals, and achieves world-class standards of reliability, manufacturability, EMI containment, and serviceability
- Conduct engineering tests to evaluate and verify the robustness and proper performance of new products Manage assigned development activities of external suppliers
- Must have an active DoD Secret Clearance, and US Citizen