Downloaded from <https://www.velvetjobs.com/job-descriptions/principal-mechanical-engr>

# Example of Principal Mechanical Engr Job Description

Our company is searching for experienced candidates for the position of principal mechanical engr. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for principal mechanical engr

* Will oversee build and fabrication of MGSE
* Will oversee all test activities
* Perform complex mechanical design, development, and documentation of components, sub-assemblies, and major end items for defense system equipment in accordance with system requirements
* Oversee mid to large sized cross functional engineering teams as a technical execution lead through all phases of development from proposal generation, program start up, requirements allocation, preliminary and detailed development, through production
* Support the factory and suppliers with product integration domestically and internationally
* Interface with other engineering disciplines, non-technical disciplines, and suppliers to develop design solutions and resolve technical challenges
* Work with limited supervision and meet commitments for assigned schedule, financial, and technical goals
* Manage and meet commitments for assigned schedule, financial, and technical goals
* Support and participate in design peer reviews and conduct trade studies to make sound technical decisions
* Apply knowledge and experience in technical problem solving and hardware development in a fast paced, team environment

## Qualifications for principal mechanical engr

* A minimum of 8 years of experience as a hardware engineer on large radar programs
* Leadership experience in hardware engineering concepts and principles of standard engineering practices, methods, and techniques in support of medium to large engineering programs
* Ability to represent systems solutions to all levels of internal leadership and government customer representatives
* Experience in component engineering
* Ability to work independently and across engineering functions
* Ability to perform detailed engineering analysis, design, and solution development