



Example of Mechanical Design Engineer Job Description

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Our company is hiring for a mechanical design engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for mechanical design engineer

- Observes, evaluates and troubleshoots existing production problems
- Assembles, installs, and operates prototype designs to evaluate compliance with requirements
- Designs/conducts experiments and performs verification testing to ensure efficacy of proposed solutions
- Works as a key member of a multidisciplinary engineering team to develop new products that meet or exceed performance, cost, and schedule metrics
- Researches and analyzes customer specifications to evaluate the feasibility and cost
- Anticipates and translates customer needs into engineering metrics
- Supports bid and proposal activities
- Confers with engineering peers, operations personnel, and program management to implement operating procedures, troubleshoot non-conforming products, and provide technical information
- Develops new manufacturing processes as needed using internal and external resources and capabilities
- May perform Project Manager and/or Project Engineer responsibilities

Qualifications for mechanical design engineer

- Conceptual and detail design, assembly and installation modeling using a 3D CAD Software tool and creation of 2D production type drawings

- Interface with other functional departments (manufacturing engineering, production operations, quality assurance)
- Vendor / supplier coordination & management
- Experience / Knowledge of Military Ground Vehicles
- BS degree in Engineering from an accredited engineering school and a minimum of fourteen (14) years of related engineering experience, or a MS degree from an accredited engineering school and twelve (12) years of related engineering experience, or Ph.D