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# Example of Mechanical Systems Job Description

Our company is growing rapidly and is hiring for a mechanical systems. 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 systems

* Support development and training of the engineers
* Help develop and enforce standardized engineering practices, processes, tools and methods across all programs
* Lead and champion the use of ACE standard work and tools for continuous improvement
* Design and develop aircraft lighting systems from initial requirements through production support
* Design and analyze mechanical aspects of lighting systems (design, select, and fit mechanical components, electrical boards and light sources into airworthy assemblies)
* Choose components, develop and follow processes, and design test equipment
* Develop, build, and test mechanical prototypes for fit, stress, and rugged environments
* Design solid (3D) parts and assemblies in CATIA Version 5 CAD System and document in 2D
* Contribute to bid and proposal effort – quickly create design concepts and estimates with limited information
* Interact daily with other company functions/disciplines such as customer support, purchasing, quality, and manufacturing

## Qualifications for mechanical systems

* Present and defend designs to customer during design review meetings
* Estimate costs and duration/lead times of labor and material
* Basic wiring knowledge, ability to connect sensors, power supplies, and Data Acquisition to test platforms
* Demonstrated technical aptitude, creativity in design, and the ability to execute feasible solutions to complex design engineering challenges
* Technical expertise with the latest manufacturing technologies and feasibility execution to achieve systems requirements and world-class craftsmanship/performance targets
* Experience in design for six sigma (DFSS) – preferably with six sigma certification or have used DFSS methodology in design, validation and/or launch of closures components and systems