



Example of Senior Engineer / Electrical Engineer Job Description

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Our growing company is hiring for a senior engineer / electrical 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 senior engineer / electrical engineer

- Responsible for designing, testing, supporting, and troubleshooting components of low-voltage and medium-voltage electrical systems operating up to several megawatts
- Develop system-level and/or physics-based models of components and devices in support of new technology development, project engineering, and test & evaluation
- Develop and/or improve the test methods and procedures
- Write test procedures and technical papers
- Responsible for the design, analysis, and testing of advanced power electronic systems for both military and commercial applications
- Will lead and direct small technical teams (engineers, designers and technicians) in solving complex problems
- Responsible for writing requirements, specifications, and design reports
- Act as an expert and advisor in power electronics engineering and electrical engineering area
- Advises and directs the activities of assigned programs and/or projects to achieve technical objectives
- Responsible for digital and analog design with power electronics emphasis and must be able to do system level design and analysis

Qualifications for senior engineer / electrical engineer

- Demonstrated ability to write and modify PLC programs and provide guidance to shop floor technicians in implementing changes
- Results oriented individual unafraid of utilizing a hands-on approach when needed, with the ability to lead sub-groups, task forces or teams to effectively solve machinery problems ranging from simple (slight modification/addition of single component) to complex (total re-design) on high speed, high volume machinery
- Demonstrated ability to work with cross functional teams as either a contributor or a leader
- Ability to work with outside suppliers, contractors and consultants to tap into specialized engineering expertise when needed
- Ability to analyze, design, plan and manage equipment installations
- BS Degree in Electrical/Electronic Engineering or Engineering Technology (BSEE or BSEET)