



# Example of Senior Engineer / Electrical Engineer Job Description

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Our company is looking for a senior engineer / electrical engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for senior engineer / electrical engineer

- Working knowledge of common design methodologies for switchgear, switchboards, motor control centers, variable frequency drives, generators, transformers, distribution panels, various raceway systems and underground medium voltage distribution
- Ability to perform field investigation work near energized electrical equipment from 50V to 115kV
- Master's Degree in Electrical Engineering with emphasis on electrical power systems a plus but not required
- 5+ years of facilities-related electrical project experience which includes design for new buildings, restoration or renovation projects
- Knowledge of NEC interpretation pertaining to 480V and lower voltage design
- Experience with electrical design for commercial, industrial, government, health care and hospitality facilities

## Qualifications for senior engineer / electrical engineer

- Ability to document the requirements, design, and testing of electronics
- Familiarity with oscilloscopes, logic analyzers, test equipment, motors, sensors, and common communication interfaces
- Motion control, robotics, and/or spacecraft control in particular
- Experience with multiple degree of freedom robotic manipulators including inverse kinematics, path planning

control interfaces

- CA Professional Engineer Registration (PE)