



# Example of Junior Electrical Engineer Job Description

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Our growing company is looking for a junior electrical 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 junior electrical engineer

- Participate in Different Customer Projects
- Knowledge of fundamental concepts, practices, and procedures in the area of specialization, be amenable to develop other functional areas
- To manage in all aspects of MV, LV & Small Power electrical circuits and systems at their highest level of performance and availability in an industrial environment
- Collaborate with the engineering, research & scientific community to generate and validate design concepts and technologies targeting current and future products
- Support Design Engineers to implement designs, develop design specifications and perform analyses to show design compliance at technical reviews
- Generate design solutions based on flow down high level system requirements
- Support the creation of functional test plans & procedures, including functional verification to confirm the design meets requirements
- Assist or lead the build of electronic modules to test against test plans, troubleshoot as necessary and summarize results
- Support sub-system design and integration efforts, in accordance with performance, cost, schedule and reliability objectives
- Develop, review and release product documentation for electronic modules and subsystems consistent with documentation guidelines

- Demonstrated performance in a laboratory testing environment
- Internship, co-op or 1+ years' experience in oil and gas would be preferred
- A focus on Power Systems would be preferred
- At least to be close to finish BsC in Electrical Engineering
- Demonstrated interpersonal and leadership skills written and oral communication skills
- Assisting in the preparation of technical documents including electrical drawings, cable and conduit schedules, electrical and instrumentation databases, technical specifications and contract documents, relating to medium voltage equipment, low voltage equipment, switchgear, motor control centres, DC systems, instrumentation and control field devices, PLCs, control panels, electrical building services, HVAC, fire alarm systems, grounding