



Example of Entry-Level Electrical Engineer Job Description

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Our growing company is searching for experienced candidates for the position of entry-level electrical engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for entry-level electrical engineer

- Ensures that design implementation, test and maintenance methods/processes are developed executed in a manner, which supports all company quality standards
- Apply electrical engineering background to firmware and hardware design projects, on both the product itself and custom test equipment
- Develop and implement test methodologies to determine design readiness for production, and application suitability
- Maintain and administrate the product's firmware revisions
- Investigate and test vendors' and competitors' products
- Receive supervision on technical aspect of assignments
- Evaluate, select and apply standard engineering techniques, procedures and criteria, using judgment in making minor adaptations and modifications
- Plan and conduct work requiring judgment in the independent evaluation, selection, and substantial adaptation and modification of standard techniques, procedures and criteria
- Resolve issues or problems concerning conflicting design requirements, specifications and/or difficult coordination requirements
- Plan, schedule, conduct or coordinate detailed phases of the engineering work as a part of a major project or small-moderate scope project

Qualifications for entry-level electrical engineer

- Experience with selection and design with MIL-STD connectors
- Undergraduate or graduate degree in construction management, construction or electrical engineering, engineering technology or related engineering fields
- Entry Level Electrical Engineering positions at the Naval Surface Warfare Center, Philadelphia Division involving all aspects of Life Cycle Management, and the execution overhauls and modernization of U.S. Navy ships
- Incumbent performs professional engineering duties related to the work of the division
- Job responsibilities will require knowledge of Ships Service Diesel Generators (SSDGs), Ships Service Turbine/Turbo Generators (SSTGs-steam driven), Ship Service Gas Turbine Generators (SSGTGs), Switchboards (SWBDs), subassemblies (fuel control, excitation control, circuit breakers, and protection monitoring) and support equipment (power supplies, controllers, and dampers)