



Title: Electrical Engineer (St. Louis)

Description: Job Title: Electrical Engineer

Reports To: Director of Electrical Engineering

SUMMARY

Researches, develops, designs, and tests electrical components, equipment, and systems by performing the following duties.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

Designs electrical equipment, facilities, components, products, and systems for commercial, industrial, and domestic purposes.

Designs and directs engineering personnel in fabrication of test control apparatus and equipment, and determines methods, procedures, and conditions for testing products.

Develops applications of controls, instruments, and systems for new commercial, domestic, and industrial uses.

Directs activities to ensure that manufacturing, construction, installation, and operational testing conform to functional specifications and customer requirements.

Directs and coordinates operation, maintenance, and repair of equipment and systems in field installations.

Uses computer assisted engineering and design software and equipment to perform engineering tasks.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

LANGUAGE SKILLS

Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations. Ability to write reports, business correspondence, and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.

MATHEMATICAL SKILLS

Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations. Ability to apply mathematical operations to such tasks as frequency distribution, determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis.

Requirements/ EDUCATION and/or EXPERIENCE

Benefits: Bachelor's degree from four-year college or university.

5 years experience in healthcare, higher education, commercial, or institutional projects.