



Electrical Engineer (Power Distribution/Building Design)

We are currently seeking an *Electrical Engineer* to join our team in our **San Diego, CA 92131** location.

Company Description

BSE Engineering is a full-service Mechanical/Electrical/Plumbing Engineering consulting firm with a key focus on energy efficiency and sustainable projects for governmental, educational, commercial and institutional clients.

The firm provides engineering services for the design and analysis of existing and new buildings, site infrastructure including electrical distribution, lighting, photovoltaic systems, telecommunications infrastructure, HVAC systems, plumbing, and energy related projects. There are excellent opportunities for career growth, advancement and industry training under the direction of licensed professional engineers.

Job Description

This position is responsible for the calculation, design, and preparation of construction drawings necessary for the assessment and/or construction of electrical power distribution systems (600V), medium voltage electrical distribution (2.4kV-12kV), lighting and lighting controls, and other electrical systems for renovation and new construction of buildings and facilities.

Job Duties and Responsibilities:

Core duties and responsibilities including the following. Other duties may be assigned.

- Preparation of engineering studies, calculations, and design drawings.
- Site investigations to determine equipment conditions and configurations.
- Attend project meetings to discuss design considerations and progress.
- Apply National Electrical Code requirements and knowledge to engineering designs to create innovative and cost-effective solutions.
- Preparation of design documentation and compliance with design schedules.
- AutoCad and/or Revit drafting of electrical construction documents including drawing setup, layering, xrefs, 3D modeling, circuiting, and detailing.

Job Requirements

Preferred Education and Experience:

- Bachelor's degree in electrical engineering with course work in electrical power engineering
- Working towards an E.I.T.
- Relevant work experience
- Electrical - Knowledge of 3-phase power systems calculations and modeling. Recommended knowledge includes National Electrical Code requirements, electrical construction, electrical distribution applications, and motor theory.

- Design - Knowledge of design techniques, tools, and principals involved in production of engineering calculations, plans and product selection.

Required Abilities and Skills:

- Excellent verbal and written communication skills
- Strong detailed skills, problem-solving and critical-thinking skills
- Experience in Electrical Building Systems Design
- Experience in AutoCAD and Revit software
- Good understanding of Microsoft Office Applications including Excel and Word

Compensation and Benefits

- \$80,000 - \$95,000 per year, commensurate with experience and education
- A comprehensive benefits package is available.

Email your interest and resume to hr@bseengineering.com.