

## Electrical Engineer

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Company: Amtec Inc.

Location: Phoenix

Category: other-general

Our client in the **AEC industry** is currently seeking a skilled **Electrical Engineer** to join their dynamic team. In this role, the Electrical Engineer will engage in the **designing, developing, and implementing of cutting-edge electrical systems for state-of-the-art industrial and high-tech manufacturing facilities** serving global leaders in technology.

As an Electrical Engineer at, you will have a foundation in electrical engineering **focusing on low to medium-voltage environments**. The ideal candidate possesses **experience with distribution panel loading, short circuit analysis, voltage drop calculations, conduit and conductor sizing, and cable tray fills**. Join us in shaping innovative design-build projects with a relentless commitment to quality, efficiency, and collaborative excellence.

### Job Description:

Generate comprehensive technical project plans, specifications, drawings, and models aligned with both industry standards and client requirements.

Determine conduit and conductor sizing, meticulously accounting for current loads and environmental variables.

Assess cable tray fills methodically to guarantee proper cable management, organization, and future scalability.

Perform short circuit calculations to ascertain fault currents and specify suitable

protective devices.

Perform precise voltage drop calculations to ensure electrical system stability and compliance with industry standards.

Ensure all electrical designs strictly adhere to pertinent local, state, and national electrical codes and regulations.

Apply established design techniques and exercise discernment in adapting and modifying design concepts as needed. Uphold quality control by adhering to company and team design and CAD standards.

Will work with Sr. Engineers, Project Managers, and other stakeholders on specific assigned objectives, complex features, and aid in deriving possible solutions to unusual problems.

Foster collaboration, communication, strategy, and support within your team, multidisciplinary groups (Electrical, Structural, Process/Chemical, Architectural, etc.), and inter-company teams to optimize efficiency, quality, and resource allocation.

### **Job Requirements:**

**Bachelor's Degree in Electrical Engineering**, which qualifies for licensure in the state of practice, is required.

Successful completion of the **Fundamentals of Engineering (FE/EIT)** is highly desired.

Demonstrated proficiency in **AutoCADs** required.

Experience with other tools such as **Revit, ETAP, SKM PowerTools, and/or EasyPower** is a plus.

**Knowledge of electrical codes and standards** (e.g., National Electric Code, NFPA, etc.).

This position will require you to work **onsite** in **North Phoenix, AZ**

Note **Remote or hybrid work arrangements for this role are NOT available.**

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