

# Project Associates, Inc.

## Job Description: Electrical Engineer

Project Associates is a multi-disciplined full-service consulting engineering design firm located in Evansville, Indiana. Our clients are mainly in the heavy industrial & manufacturing, power & energy and utilities sectors.

We are currently looking for an Electrical Engineer. Duties in this key position require knowledge of electrical engineering techniques as achieved through technical studies and/or on the job training, allowing for the analysis and design of industrial electrical systems. Candidate shall be a team player with a solid work ethic, be able to communicate with clients and be able to manage projects independently while working as part of an integrated team.

### **Electrical Engineer Responsibilities**

The responsibilities outlined below reflect the ideal scope of the role; however candidates are not expected to meet every qualification:

- Perform calculations and evaluations in the design of equipment and systems while ensuring calculations, plans and drawings comply with electrical codes and industry standards.
- Ability to select and lay out equipment and power distribution.
- Perform Arc Flash Analysis Studies
- Perform Coordination Studies
- Develop and review relay settings / protection schemes.
- Prepare specifications for electrical projects.
- Prepare accurate and quality work products.
- Assist the project / CAD team and ensure project deadlines are met.
- Orient work to achieve results.
- Attend and participate in client and/or vendor meetings.
- Manage assignments and project results with minimal assistance and supervision.
- Ensure work products processed and approved on time.

### **Qualifications:**

- Bachelor's degree in electrical engineering
- If not currently licensed, needs ability and desire to obtain
- Six (6) or more years' work experience performing design work.

### **Preferred Skills and Special Requirements**

- Working knowledge and familiarity with NFPA 70 (NEC), IEEE 1584-2018, NFPA 70E and protective relaying.
- Knowledge of commonly used concepts, practices and procedures within the electrical engineering field including engineering formulas and skills
- High level of analytical skills with proficiency in technical writing and communication
- Project engineering / management experience
- Ability to exercise independent judgement
- Ability to meet the physical requirements of the job
- Knowledge of a variety of computer software applications including but not limited to Microsoft Office and computer assisted engineering and design software (ETAP, SKM and EasyPower)
- Working knowledge of Auto Cad or other drafting software.
- Candidate is willing to go to client jobsites and perform duties/tasks on site for limited time periods if required