

Electrical Engineer - Full Time Entry Level

ThermalTech Engineering is a full-service engineering firm providing consulting services to Fortune 500 companies throughout the United States. Our team is seeking sharp, energetic, enjoyable engineers to perform analysis, design, and construction for complex and technically challenging industrial projects. We offer lucrative compensation packages with a generous, and truly-performance-based, bonus program.

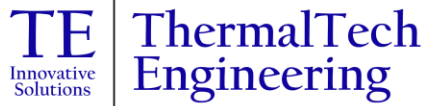
Please consider applying if you possess the following interests and qualifications:

- Great grades from an ABET-accredited electrical engineering program (a minimum of 3.0 is required for consideration).
- A passion for engineering and learning. Our staff enjoys engineering and enjoys learning!
- Interest in high, medium, and low voltage systems and application of the national electrical code (NEC) to engineering designs.
- Appreciation for a dynamic work experience through a constant assortment of projects. Enjoys variety!
- Excellent problem solving, time management, and great communication skills, both written and oral.
- A disposition oriented toward excellent customer service.
- Enjoys working in a competitive, challenging environment.
- Strong computer skills.
- Interest in increasing technological skill and developing engineering drawings.
- Willingness to coordinate and execute multiple projects simultaneously.
- Willingness to complete FE exam before or at the time of hire.

You will work with an experienced engineer to learn (how to):

- Analyze power distribution systems for large industrial consumers for short-circuit (arc flash) hazards, and breaker coordination studies using arc flash analysis software.
- Select power equipment such as: starters, VFD's, motor control centers, switchgear, substations, emergency generators, UPSs, grounding systems, and lighting systems.
- Develop plan and single line drawings in AutoCAD. Model equipment in 3D.
- Identify, document, and assess electrical equipment, capacity, and key electrical attributes.
- Size feeder and conduit for a variety of loads.
- Design emergency power, back-up power, and life-safety systems.
- Research and interpret codes and standards.
- Configure communications, data, and miscellaneous building systems including fire alarm, PA, intercom, telephone, data.
- Field work and troubleshooting in a variety of facilities.
- Start up and commission equipment.
- Meet with clients, contractors, and colleagues throughout the design and construction process. Build and maintain long-term relationships.

This position provides an opportunity for periodic project-related travel and demands some flexibility toward the work schedule.



Our engineers typically stay with us for years or decades advancing into areas of specialty, or project management, or subject matter experts. Most of our Project Managers, Owners, and the Partners of the company started their careers directly out of school with ThermalTech. Please submit your resume if you are interested in a long-term engineering career with us!