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Fire Resistance Engineer

US-IL-Northbrook

Job ID 2018-9150**# of Openings** 1**Job Category** Engineering

Overview

Contribute to a Safer, More Secure, and More Sustainable World. At UL, we know why we come to work. Thousands of us around the world wake up every day with one common purpose – to make the world a safer, more secure, and more sustainable place to live. We clear the way for our customers to introduce the latest products, technological advances, and systems in an increasingly complex world so they can provide peace of mind to the market. Our integrity is woven throughout our company and shapes the way we approach and deliver our solutions. We are proud that the work we do every day has a meaningful contribution to society. We continue to build upon our legacy of trusted expertise and partnership to keep our communities safe and secure as we march forward into the future. This helps us to sleep better at night, and we are confident that the millions of people we touch rest easier too.

Under general supervision, the Engineer within the Fire Resistance group manages execution and timely completion of engineering projects by analyzing project scope and determining project specifications, establishing test programs for product investigations, analyzing test programs for adequacy and sequence, examining samples for compliance with UL requirements, and preparing reports for clients. Assists in the development of UL requirements, test methods, and test equipment. May exercise Project Handler Signature Authority as Project Handler of record responsible for opening, maintenance, completion, and closing of assigned new work engineering projects. May exercise Review Signature Authority as assigned as Reviewer of record responsible for initial review, status review, and final technical review of all new work engineering projects.

Responsibilities

- Determines project scope, develops a preliminary plan of investigation, and determines project specifications such as cost, time, and sample requirements by analyzing client input, available supplemental data, and product construction. Projects may include travel to conduct or witness tests at client sites.
- Initiates communication with clients to promote and explain the benefits of new and existing services. Follows up on contacts from clients. Communicates with clients to discuss technical issues, explain UL procedures and requirements, convey project cost, and negotiate completion date and sample requirements. Acts to address client concerns and to resolve client issues. Provides technical assistance to clients in reference to product inspection and follow-up services.
- Establishes appropriate test programs for a wide variety of products including fire resistive products, insulation, decking and structural components, gypsum board, and structural steel protection by reviewing files and manufacturer's information, examining samples, and applying UL requirements. Is familiar with applicable standards, company manuals and appropriate technical literature. Examines samples for compliance with UL requirements and notifies client of any areas in which the product is not in compliance or of any changes in project scope or specifications.
- Coordinates laboratory activities by preparing data sheets and instructions to technicians, scheduling and reviewing work of laboratory technicians and engineering assistants, and establishing completion dates. Coordinates administrative aspects of project management. May serve as Project Handler of record and/or Reviewer of record as assigned.

- Communicates project status and results to clients through frequent contact and by preparing reports. Prepares Follow-Up Service Procedures and information pages.
- Integrates continuous improvement concepts and techniques into all aspects of the job.
- Assists in the development of UL requirements. Assists in developing special test methods and test equipment. Analyzes test program for adequacy and sequence. May coordinate and/or perform File Reviews, as directed. May represent UL at industry related functions such as seminars and trade shows.
- Performs other duties as directed.

Qualifications

- University Degree in Civil Engineering or Structural Engineering from an ABET accredited program. No experience required.
- Self-starter, eager to learn, and a problem-solver
- Strong verbal and written communication
- Ability to interface directly with clients in a professional and effective manner
- Willing to travel 10-25%

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