Job Title: Fire Protection Engineer

Requisition ID 5683 - Posted - Engineering - (Entry Level (Less than 2 Years Work Experience); Senior Level (More than 5 Years Work Experience); Professional Level (More than 2 Years Work Experience)) - Travel - 30% or less - (Oak Ridge, TN)

Location: Oak Ridge, TN
Job Title: Fire Protection Engineer
Career Level From: Associate
Career Level To: Senior Specialist
Organization: Fire Protection Engineering (50928615)
Job Specialty: Fire Protection

What You'll Do

The candidate will develop and implement fire protection programs and procedures in an attempt to eliminate personnel injury and/or property damage due to fire. Implements programs and procedures to ensure employee and facility safety is in accordance with all OSHA, NFPA and Life Safety Code requirements. Maintains current knowledge of building and fire protection codes and regulations to assure compliance. The candidate will be responsible to plan and self-perform on a project/problem which includes, but is not limited to, design time-lines, functions and requirements, design basis and criteria, design schedule and tracking, design review, inter-discipline design coordination, design approval, design change control, and field verification of compliance to design. Skills are to include coordination of FPE efforts with all individuals of the integrated project team. Technical knowledge is to contain related fire protection principles and skilled application to fire risks in industrial facilities, systems and processes. Knowledge of fire protection engineering principles and their application to fire risk analysis in nuclear/industrial facilities, systems, and processes; NFPA Codes and standards; DOE Orders and DOE-mandated codes and standards related to fire protection; and current computer-based analytical methods related to fire hazard analyses. Specific knowledge for fire alarm and fire suppression systems specific to inspection testing and maintenance. Ability to perform quantitative fire hazard analysis and risk assessments. Knowledge of computer fire models e.g., CFAST, DETACT-QS, FDS, and HASS. Ability to communicate clearly and effectively through the oral and written word including formal presentation skills.

What You Can Expect

- Meaningful work and unique opportunities to support missions vital to national and global security
- Top-notch, dedicated colleagues
- Generous pay and benefits with a stable organization
- Career advancement and professional development programs
- Work-life balance fostered through flexible work options and wellness initiatives

Minimum Job Requirements

Bachelor's degree in engineering/fire protection engineering discipline with a minimum 3.0/4.0 cumulative GPA OR a Master's degree in engineering/fire protection engineering discipline with a minimum 3.3/4.0 cumulative GPA OR a PhD in engineering/fire protection engineering discipline with a minimum 3.5 cumulative GPA.
There is a minimum Grade Point Average (GPA) requirement up to 4 years post-graduation at time of offer and confirmed by transcript. Beyond four years from graduation, engineering experience will supersede GPA as a requirement for hire.

In addition, the applicant must meet the requirements of DOE O 426.2 (i.e., Baccalaureate in engineering or related science, 2 years job-related and at least 1 year nuclear experience, or a DOE O 426.2 alternative). DOE 426.2 experience requirements can be satisfied following employment. In the interim, newly hired personnel will not be assigned duties that could impact the safety basis of nuclear facilities. (Ref. DOE O 426.2)

Preferred Job Requirements

Bachelor of Science in Fire Protection Engineering/Technology from an Engineering Accreditation Commission (EAC) Accreditation Board for Engineering and Technology (ABET) accredited program in the United States or designated equivalents from Canada or Mexico, the Washington Accord, or the list of substantially equivalent as documented by ABET. [A minimum cumulative Grade Point Average of 3.0/4.0 within the STEM major for Bachelor degree only at time of offer and confirmed by transcript.] A Professional Engineering License (PE) is preferred but not required. Typical experience could range from two to fifteen plus years.

- Frequent use and application of technical standards, principles, theories, concepts, and techniques
- Ability to estimate, plan, and track progress for preparation of discipline deliverables
- Ability to work in a project team environment and communicate well with other disciplines, customers, and stakeholders
- Ability to make informed decisions and support those decisions to peers and senior management

Notes

The minimum education and experience for the lowest career level in the job posting range are listed under Minimum Job Requirements. Successful candidates hired into a higher career level than the minimum in the range must meet the requirements listed in the job leveling charts for the career level into which they are being hired.

If a range of Career Levels is posted, i.e., Senior Associate to Senior Specialist, internal applicants already in one of the Career Levels would come across at their current Career Level. Internal applicants currently in a lower level Career Level would move to the lowest posted Career Level.

Requires a Q clearance; however all qualified candidates will be considered regardless of their current clearance status. The ability to obtain and maintain a Department of Energy Q clearance is required.

Position may require entry into Materials Access Areas (MAA) and participation in the Human Reliability Program (HRP). If HRP is required, candidate must complete a counterintelligence-scope polygraph, pursuant to 10CFR 709. Medical requirements may apply.

CNS is a drug-free workplace. Candidates accepting a job offer will be required to pass a pre-placement physical, drug screening and background investigation. As an employee, you may be required to receive and maintain a security clearance from the United States Department of Energy in order to meet eligibility requirements for access to sensitive information or matter. U.S. citizenship is a requirement for security clearance applicants. All employees are subject to being randomly selected for drug testing without advance notification.

CNS is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, gender, sexual orientation, gender identity, age, religion, national origin, ancestry, genetic information, disability or veteran status.
For Questions contact:

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