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Job Title: Fire Protection Engineer

Requisition ID **17667** - Posted - **Engineering** - (Entry Level (Less than 2 Years Work Experience); Professional Level (More than 2 Years Work Experience); Senior Level (More than 5 Years Work Experience)) - **Travel - 30% or less** - (Oak Ridge, TN)

Location: Oak Ridge, TN

Job Title: Fire Protection Engineer

Career Level From: Senior 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, IBC, 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. Review of architectural and fire protection drawings. Knowledge of computer fire models is beneficial e.g., CFAST, DETACT-QS, and FDS. 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 of Science in Engineering/Physical Science [Chemistry, Physics, or related] from an Engineering Accreditation Commission (EAC) Accreditation Board of 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 AND 2 years of relevant experience. OR MS in Engineering /Physical science. OR PhD in Engineering /Physical science.
- 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.
 - 3.0/4.0 minimum cumulative GPA for Bachelor degree
 - 3.3 minimum cumulative GPA for Master degree
 - 3.5 minimum cumulative GPA for PhD
- In addition, the applicant must meet the requirements of DOE O 426.2A (i.e., Baccalaureate in engineering or related scientific major 2 years job-related, and 1-year nuclear experience; or a DOE O 426.2A alternative). DOE 426.2A 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 426.2A)

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 Professional Engineering License (PE)
- Experience ranging 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

Why Y-12?

You get #morethanajob. We encourage employees to achieve a healthy personal balance among home, work and the community. One of the ways we embrace work-life balance is by offering flexible work arrangements that provide alternatives to the traditional workweek, while still meeting business needs. Top talent and personal commitment mean more to our success than any other factors, so we reward our people with the kinds of benefits that make a positive difference in the quality of their lives. Benefits such as: medical plan, prescription drug plan, vision plan, dental plan, employer matched 401(k) savings plan, disability coverage, education reimbursement and many more. Want to stay healthy and fit but hate the cost of a gym membership? Take advantage of one of our onsite workout facilities and eat healthy in our onsite cafeterias. Much more than a workplace, at Y-12, you can build a career that lasts a lifetime.

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.

This position may require entry into the Material Access Areas (MAA) and participation in the Human Reliability Program (10 C.F.R. Part 712), which requires successful competition of a DOE counterintelligence evaluation and may include a counterintelligence-scope polygraph examination.

This position may be categorized as a “designated position” identified by 10 C.F.R. Part 709, requiring successful completion of a DOE counterintelligence evaluation that may include a counterintelligence-scope polygraph examination.

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 based on merit and without regard to race, color, religion, sex, sexual orientation, national origin, protected veteran status or disability.