



## **FIRE PROTECTION ENGINEER (0804 Series)**

### **Responsibilities**

- Administer fire protection engineering direction for projects involving design and construction or renovation of facilities and structures (e.g., housing, wharves, hangars, storage facilities).
- Coordinate with Architects/Engineers, Contractors, and in-house staff in the delivery of Capital Improvements products and services.
- Resolve construction and design problems encountered during the performance of contracts directly related to fire protection.
- Establish and direct studies, investigations, or analyses to make recommendations on new methods, procedures or approaches to enhance fire and smoke detection equipment, systems, or processes.
- Advise other engineers in regards with unusual designs, issues, and situation regarding fire protection engineering.

### **Qualifications**

**FOR THE GS-12:** In addition to the Basic Education Requirements for this position, your resume must also demonstrate at least one year of specialized experience at or equivalent to the GS-11 grade level or pay band in the Federal service or equivalent experience in the private or public sector performing the following duties: 1) Providing Fire Protection Engineering design of fire protection systems for new construction projects and renovation projects for facilities (e.g., office buildings, training facilities, aircraft hangars, etc.); 2) Preparing project construction drawings using computer-aided drawing software in support of projects' fire protection designs for new construction and renovation projects; and 3) Reviewing engineering plans, specifications and design computations developed by architect and engineering (A/E) firms for technical adequacy, completeness, and for compliance with applicable laws, regulations, and building codes. **NOTE: This information must be supported in your resume to be considered for the position.**

**FOR THE GS-13:** In addition to the Basic Education Requirement for this position, your resume must also demonstrate at least one year of specialized experience at or equivalent to the GS-12 grade level or pay band in the Federal service or equivalent experience in the private or public sector performing the following duties: 1) Preparing fire protection engineering design drawings, specifications and documentation for facility components and systems; 2) Preparing contract requirements, proposal and bidding procedures and documentation for the acquisition of facilities fire protection systems; 3) Managing fire protection projects to ensure project scope, schedules and costs are not exceeded; 4) Providing technical solutions to fire protection engineering issues. **NOTE: This information must be supported in your resume to be considered for the position.**

### **Education:**

Successful completion of a professional engineering degree. To be acceptable, the program must: (1) lead to a bachelor's degree (or higher) in a school of engineering with at least one program accredited by the Accreditation Board for Engineering and Technology (ABET); or (2) include differential and integral calculus and courses (more advanced than first-year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of



fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics. Such education must demonstrate the knowledge, skills, and abilities necessary to do the work of the position.

**OR**

Current registration as an Engineer Intern (EI), Engineer in Training (EIT), or licensure as a Professional Engineer (PE) by any State, the District of Columbia, Guam, or Puerto Rico. Absent other means of qualifying under this standard, those applicants who achieved such registration by means other than written test (e.g., State grandfather or eminence provisions) are eligible only for positions that are within or closely related to the specialty field of their registration. For more information about EI and EIT registration requirements, please visit the National Society of Professional Engineers website at: <http://www.nspe.org>

**OR**

Evidence of having successfully passed the Fundamentals of Engineering (FE) examination or any other written test required for professional registration by an engineering licensure board in the various States, the District of Columbia, Guam, and Puerto Rico. The FE examination is not administered by the U. S. Office of Personnel Management. For more information, please visit: <http://www.nspe.org/Licensure/HowtoGetLicensed/index.html>.

**OR**

Successful completion of at least 60 semester hours of courses in the physical, mathematical, and engineering sciences and in engineering that included the courses specified in the basic requirements under paragraph A (above). The courses must be fully acceptable toward meeting the requirements of an engineering program as described in paragraph A (above)

**OR**

Successful completion of a curriculum leading to a bachelor's degree in an appropriate scientific field, e.g., engineering technology, physics, chemistry, architecture, computer science, mathematics, hydrology, or geology, may be accepted in lieu of a bachelor's degree in engineering, provided the applicant has had at least one year of professional engineering experience acquired under professional engineering supervision and guidance. Ordinarily, there should be either an established plan of intensive training to develop professional engineering competence, or several years of prior professional engineering-type experience, e.g., in interdisciplinary positions.

Additional qualification information can be found from the following Office of Personnel Management websites: <https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/#url=GS-PROF> ; <https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/0800/fire-protection-engineering-series-0804/>

**Clearance:** Secret

### **Conditions of Employment**

- Must be a US Citizen.
- Must be determined suitable for federal employment.
- You will be required to obtain and maintain an interim and/or final security clearance prior to entrance on duty. Failure to obtain and maintain the required level of clearance may result in the withdrawal of a job offer or removal.