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Description

Job Title **Engineering Technologist 1/2**
Location **48-0235-1001K-OFF**
Organization Name **FP-DO/Fire Protection Division Office**

What You Will Do

This position will be filled at either the Engineering Technologist 1 or 2 level, depending on the skills of the selected candidate. Job responsibilities outlined below will be the minimum assigned to the candidate level.

The Engineering Technologist 1 or 2 position with the Fire Protection Engineering Group (FP-DO) within the Facilities and Operations Directorate (ALDFO) will work with a team of engineering professionals responsible primarily for LANL facility and site design and analysis work and review of LANL construction projects to ensure compliance with LANL and nationally recognized codes and standards. The FP-DO group provides institutional leadership, processes, and technical resources for safe, high quality, and cost-effective fire protection systems, programs and response organizations in support of LANL operations. The primary focus of this position is to assist in the analysis, design and modification of fire protection systems including both alarm and suppression systems. Specific duties include providing fire protection engineering/technical input on design projects, system/equipment design, and maintenance and operational technical support. Additional responsibilities include assistance with the analysis of fire system/equipment problems and troubleshooting equipment failures and operational deficiencies, retrofit of fire protection systems within existing facilities, definition of system design and safety envelope requirements, and review of proposed facility modifications for maintainability, operability, and conformance to facility operational and safety requirements including codes and standards.

Engineering Technologist 1 (73,800 - 120,400)

Engineering Technologist 2 (81,600 - 133,400)

- Safety and security are a primary responsibility for all Laboratory employees. Maintains required safety and security training, assures safety and security compliance, and makes safety and security an integral part of every task, including taking the necessary steps to stop work if continuing the job is unsafe or compromises security.
- Uses and applies standard principles, theories, concepts and techniques within the fire protection discipline to perform work and perform analysis.
- Assists in engineering studies to formulate, determine and evaluate design criteria for structures, systems and equipment.
- Assists in the preparation of specifications for structures, systems and equipment.
- Applies knowledge of analytical and/or scientific software, word processing and spread sheet software, computer-aided design (CAD) and CAD/CAM software and industrial control software within area of discipline.
- Performs detailed review of drawings to ensure design outputs meet project objectives and governing requirements.
- Assists in fire protection product/system/equipment design, development and/or production processes.
- Prepares, reviews and documents technical information.
- Adheres to engineering policies, programs, procedures and practices.
- Promotes a mutually respectful work environment that is free from discrimination and harassment.

What You Need

Minimum Job Requirements:

- Basic knowledge of computer-aided drafting techniques, CAD modeling and design.
- Basic knowledge of mathematical formulas and computations and data gathering methods.
- Basic knowledge of engineering work planning and control methods.
- Awareness of fire protection engineering principles and basic technical responsibilities, including design and systems technology.
- Awareness of industry, regulatory, or DOE/NNSA complex codes, standards, and criteria pertinent to the fire protection engineering discipline.
- Ability to collaborate with a diverse team of technical experts from diverse backgrounds and disciplines.
- Excellent communication skills.

Additional Job Requirements for Engineering Technologist 2

In addition to the Job Requirements outlined above, qualification at the (Engineering Technologist 2) level requires:

- Demonstrated technical experience in design, installation and maintenance of fire suppression systems
- Demonstrated experience as a fire protection technologist at a major commercial, industrial, or nuclear facility with a good background in fire suppression and fire alarm system design.
- Demonstrated capability in the design and maintenance of automatic sprinkler, specialty suppression/extinguishing systems, and fire detection and alarm systems.
- Demonstrated capability in trouble shooting fire protection systems.
- Demonstrated capability in application of codes and standards in a highly regulated work environment, such as National Fire Protection Code (NFPA), International Building Code (IBC), and International Existing Building Code (IEBC).
- Ability to manage a single task/and or assist in managing multiple tasks requiring varying resource providing fire protection

- technical expertise on design projects, system/equipment design, and maintenance and operational technical support.
- Demonstrated proficiency using the following software packages: AutoCad and SprinkCad.

Education Engineering Technologist 1: Position typically requires a Bachelor’s degree in Fire Protection Engineering Technology or related technical field; or an Associate’s degree in a related field and 2 years of relevant experience/or equivalent years of relevant experience in lieu of degree requirement.

Education Engineering Technologist 2: 5 years of relevant experience; or equivalent years of relevant experience and education.

Notes to Applicants: For full consideration, applicants must submit a comprehensive cover letter that addresses the key requirements of the position per the LANL cover letter.

Where You Will Work

Located in northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. LANL enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.

Additional Details:

Clearance: Q (Position will be cleared to this level). Applicants selected will be subject to a Federal background investigation and must meet eligibility requirements* for access to classified matter.

*Eligibility requirements: To obtain a clearance, an individual must be at least 18 years of age; U.S. citizenship is required except in very limited circumstances. See [DOE Order 472.2](#) for additional information.

426.2: This position is subject to DOE Order 426.2, Personnel Selection, Training, and Qualification Requirements for DOE Nuclear Facilities, which establishes entry-level requirements to ensure candidates selected for specific positions can successfully perform the requirements of the job.

New-Employment Drug Test: The Laboratory requires successful applicants to complete a new-employment drug test and maintains a substance abuse policy that includes random drug testing.

Regular position: Term status Laboratory employees applying for regular-status positions are converted to regular status.

Internal Applicants: Please refer to Laboratory policy [P701](#) for applicant eligibility.

Equal Opportunity: Los Alamos National Laboratory is an equal opportunity employer and supports a diverse and inclusive workforce. All employment practices are based on qualification and merit, without regards to race, color, national origin, ancestry, religion, age, sex, gender identity, sexual orientation or preference, marital status or spousal affiliation, physical or mental disability, medical conditions, pregnancy, status as a protected veteran, genetic information, or citizenship within the limits imposed by federal laws and regulations. The Laboratory is also committed to making our workplace accessible to individuals with disabilities and will provide reasonable accommodations, upon request, for individuals to participate in the application and hiring process. To request such an accommodation, please send an email to applyhelp@lanl.gov or call 1-505-665-4444 option 1.

Minimum Salary
 Maximum Salary
 Appointment Type **Regular**
Regular
 Posting Scope **External**
External

Contact Details

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