Fire Protection Undergraduate Student ST

Req. Number: IRC133465

https://lanl.jobs/Search/JobDetails/fire-protection-undergraduate-student-st/dbda5a15-7d49-4252-a695-2a715ccdb4fc

What You Will Do

This internship provides mentoring, hands-on technical experience, and professional development opportunities through a formalized work plan complementing the student's engineering education. The fire protection office is seeking students to support a variety of projects around Los Alamos National Laboratory including:

- Support review of fire protection system designs and calculations, including sprinkler, fire pump, fire alarm, and special hazard systems.
- Analyze life safety requirements for buildings, including building code compliance, occupancy determination, occupant load calculations, and components of the means of egress.
- Perform on-site fire protection system evaluations and participate in final system testing.
- Inspect buildings for hazard assessment and compliance.
- Perform building and fire code analyses and interpretations. Prepare fire hazards analysis and engineering evaluation documents.
- Interface with facility project personnel and coordinate project designs with other engineering disciplines.
- Perform analyses of existing fire protection systems to determine capabilities, shortcomings, and solutions to rectify deficiencies.

What You Need

Minimum Job Requirements:

Minimum Job Requirements:

- Currently enrolled in an accredited bachelor's degree program in any engineering discipline. Engineering degree in greatest demand include Mechanical, Electrical, Nuclear, and Fire Protection Engineering.
- Enrolled in and successfully complete a minimum of 12 undergraduate credit hours per semester (or equivalent of full-time enrollment).
- Have and maintain a minimum cumulative GPA of 3.0 on 4.0 scale. Note: Students must provide the program coordinator with current, official transcripts annually to remain eligible. See the Annual Transcript & Salary Review Process section for additional information.

- Pass a 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.
- Basic knowledge of engineering concepts, principles, practices, and procedures, as demonstrated by experience researching, designing, testing, analyzing, verifying, and validating engineering solutions.
- Basic knowledge along with any class project experience with analysis or testing in one or more of the following STEM areas: Biology, Chemistry, Coding, Manufacturing, Physics, Nuclear, Materials, Math, Data acquisition and analysis.
- Demonstrated ability to express ideas clearly in oral and written communications.

Application Requirements:

To apply, please submit the following documents:

1. Resume
2. One-page Cover Letter containing

• Your interest in the Fire Protection Internship

• Your near-term academic and professional goals (1-3 years)

• How your experience and qualifications align with the desired qualifications for this internship

1. Complete Transcripts

Important Deadlines: All application materials must be submitted by January 6, 2025. Please note that only complete applications-those including all three required documents-will be considered. Applicants will be notified of their acceptance status by February 7, 2025.

Desired Qualifications:

- Successful experience working in a team environment.
- Demonstrated excellent attention to detail.
- Demonstrated ability to communicate well (verbal and written) in a professional setting.
- Previous experience in building design, construction, facilities, fire protection, or the fire service.
- Enrolled in a fire protection engineering or engineering technology graduate degree program.

Work Location: The work location for this position is onsite and located in Los Alamos, NM. All work locations are at the discretion of management.

Education/Experience: Position requires a to be enrolled in an undergraduate program in STEM from an accredited institution with a cumulative GPA of at least 3.0.

Note to Applicants: Include/upload current transcripts as part of the application process, along with your resume and cover letter.

Where You Will Work

Located in beautiful northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. Our generous benefits package includes:

- PPO or High Deductible medical insurance with the same large nationwide network
- Dental and vision insurance
- Free basic life and disability insurance
- Paid childbirth and parental leave
- Award-winning 401(k) (6% matching plus 3.5% annually)
- Learning opportunities and tuition assistance
- Flexible schedules and time off (PTO and holidays)
- Onsite gyms and wellness programs
- Extensive relocation packages (outside a 50 mile radius)

Additional Details

Directive 206.2 - Employment with Triad requires a favorable decision by NNSA indicating employee is suitable under NNSA Supplemental Directive 206.2. Please note that this requirement applies only to citizens of the United States. Foreign nationals are subject to a similar requirement under DOE Order 142.3A.

No Clearance: Position does not require a security clearance. Selected candidates will be subject to drug testing and other pre-employment background checks.

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. Although New Mexico and other states have legalized the use of marijuana, use and possession of marijuana remain illegal under federal law. A positive drug test for marijuana will result in termination of employment, even if the use was pre-offer.

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 regard to race, color, national origin, ancestry, religion, age, sex, gender identity, sexual orientation, 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 1-505-664-6947 option 2 and then option 3.
How to Apply:

Follow the instructions below if you have ever had an employee Z number, been a contractor, or received Los Alamos Lab insurance coverage to activate your account:

- Select the Click Here button if you have been employed with the Lab or received insurance coverage.
- Please enter only your first and last name and current email address (an email with your validation code will be sent to you) to activate the account currently in our system.
- Enter your validation code as described in the email you receive and complete the 3-page registration form. Your account is now active, and you can apply for jobs or save to your basket. Important: Enter the validation code within 15 days to activate your account or your account will be deactivated.

Follow the instructions below if you if you have never been employed with the Lab or received insurance coverage to create an account:

- Select the Register button if you have never been employed with the Lab or received insurance coverage to Create an Account.
- From here, you will establish an account with username and password.

    How to Apply: Login to Your Account to Complete the Application Process

- Click the Vacancy Name number (in blue) to view any job's details.
- Click Apply or Add to Basket to apply later. Tip: To apply for a job or save your basket, you must have a LANL jobs account.

If you experience any technical issues, please email **applyhelp@lanl.gov** for assistance.