



## Engineering Services

**Job Title: Nuclear Facilities Structural Engineer Level 1**

**Organization Name: Engineering Service – Science Project Delivery (ES-SPD)**

Salary Range: \$87,200 – \$142,500

### What You Will Do

The Engineering Services (ES) Division of Los Alamos National Laboratory (LANL) develops, maintains, and applies a diverse set of engineering capabilities to provide innovative engineering solutions that enable the Laboratory's scientific and national security missions. This position is within the ES Division and is assigned to a Project Delivery (PD) Group. PD Groups are responsible for implementing the Conduct of Engineering (COE) program at Los Alamos National Laboratory as pertains to design of utilities, infrastructure and buildings systems for LANL facilities.

You will be working as part of a design team assessing, maintaining, and upgrading structural infrastructure at LANL. Specific tasks will include drawings, specifications, calculations, test plans, and statements of special inspections for new and existing facility systems throughout the facility lifecycle. This will require interfacing and coordinating with all stakeholders including other engineering disciplines, equipment manufacturers and customers during design and construction.

### What You Need

#### *Minimum Job Requirements:*

- Knowledge of analysis and calculations techniques to support engineered solutions.
- Ability to effectively communicate engineering solutions both verbally and written with management, customers, peers, and craft personnel.
- Working knowledge of Microsoft software products (i.e., Word, Excel, Microsoft Teams, Outlook, etc.)
- Knowledge of basic engineering principles, codes, and standards.
- Knowledge of preparation of engineering calculations, application of engineering methods, and application of technology aided engineering tools to solve complex engineering problems.
- Ability to support timely and collaborative construction execution. This includes timely review of submittals, requests for information (RFIs), design changes, non-conformance issues, validation of commissioning documentation and produce accurate as-built documents.
- Knowledge of design, analysis, and detailing of a wide variety of structural systems including steel, concrete, wood, cold-formed steel, and masonry.
- Knowledge and implementation of seismic design principals in high seismic regions in accordance with IBC, ASCE 7, AISC and ACI requirements.

- Knowledge of structural engineering software packages, preferably RISA3D, GTStrudl, SAP2000, or StaadPro, etc.
- Ability to work in a dynamic environment as a member of a multi-discipline team of engineers and designers
- Ability to communicate well, both written and verbally.
- Ability to collaboratively problem solve, show commitment, and function well in a team environment.

*Training/Certifications:* Current registration as an Engineer in Training (EIT) is highly desirable.

*Education/Experience:* Position requires a Bachelor's Degree in Engineering from an ABET-accredited college or university.

## 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

*Clearance:* *Q/SCI* (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. This position requires a Q clearance which requires US Citizenship except in extremely rare circumstances. Dependent upon position, additional authorization to access nuclear weapons information may be required that may or may not be available to dual citizens depending upon the circumstances.

\*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.

*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.

**COVID Vaccine:** The COVID vaccine is mandatory for all Laboratory employees, on-site contractors, and on-site subcontractors unless granted an accommodation under applicable state or federal law. This requirement will apply to those working on-site, those teleworking, and all new hires.

**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 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](mailto:applyhelp@lanl.gov) or call 1-505-665-4444 option 1.