

## **Los Alamos National Laboratory**

**Los Alamos, New Mexico (approximately 35 miles from Santa Fe)**

**R&D Engineer 1 (Entry Level), Associate Laboratory Directorate for Weapons Production**

**Requisition Number: IRC85944**

### *What You Will Do*

Serve as an R&D engineer in a high-value manufacturing and production-focused environment. Major responsibilities will include helping to design new processes, improving established processes, and troubleshooting a wide variety of unique systems used in the production of actinide components.

The successful candidate will be responsible for ensuring operability of their process/system, maintaining a technical processing baseline for their process, and working with colleagues to identify and develop process improvements. The successful candidate would grow to provide real-time, technical support and guidance to processing floor-level operations.

Additionally, the candidate would be working with colleagues and multiple support organizations to ensure their process both implements and remains in compliance with the Conduct of Engineering, Conduct of Maintenance, Conduct of Operations, Quality, and Safety Management Programs established at LANL.

Successful candidates will perform the following duties and responsibilities:

- Serve as a contributing member of the Engineering and Operations teams to address technical challenges.
- Contribute at an entry level toward the research, design, testing, analysis, verification, and validation of engineering and technology solutions in support of R&D and Operations initiatives.
- Seek deeper understanding of technical and business processes through mentorship and individual research.
- Assist in the development of new methods, technologies, and analysis techniques for institutional programs.
- Ensure programmatic objectives through the provision of project management and engineering support to successfully complete milestones.
- Work as part of a team with other engineers, scientists, technical staff, postdocs, and students.
- Independently present specific aspects of engineering assignments at project meetings.
- Adapt to evolving engineering requirements while meeting safety, security, compliance, and schedule imperatives.

## *What You Need*

### **Minimum Job Requirements:**

#### **Engineering Expertise**

- Demonstrated knowledge of professional engineering concepts, principles, practices, and procedures, as demonstrated by experience researching, designing, testing, analyzing, verifying, and validating engineering solutions.
- Experience performing a broad range of complex engineering work, including experience designing a complete project, system, or component through courses or experience.
- Knowledge of manufacturing and component testing operations.

#### **Analytical Skills**

- Basic analytical thinking skills, as demonstrated by experience designing and executing experiments, including analysis and interpretation of data.
- Demonstrated commitment to high quality and timeliness of deliverables.

#### **Communication and Teamwork**

- Ability to work independently in high-intensity environments with coworkers representing a variety of technical backgrounds.
- Ability to express ideas clearly in ways that build understanding, respect, and trust, as demonstrated through presentations and publications.

**Education/Experience:** Position requires a Bachelor's Degree in Engineering from an ABET accredited institution and 2 years of related experience; or, an equivalent combination of education and experience directly related to the occupation.

### **Desired Qualifications:**

- Experience in various work environments
- Demonstrated experience working in glovebox environment
- Demonstrated knowledge or experience working in a manufacturing or production organization requiring implementation of defined manufacturing, testing and quality requirements.
- Demonstrated experience working in a nuclear facility.

#### **Quality and Improvement**

- Demonstrated knowledge and experience with system and subsystem qualification testing and/or analysis.

- Experience with continuous improvement concepts and tools.
- Demonstrated knowledge of conduct of operations principles.

### **Active Q clearance or equivalent**

- Existing DOE “Q” clearance (or equivalent).

**Note to Applicants:** Please submit a detailed resume highlighting all your relevant work experience.

**Location:** This position will be physically located in Los Alamos, NM.

**Position commitment:** Regular appointment employees are required to serve a period of continuous service in their current position in order to be eligible to apply for posted jobs throughout the Laboratory. If an employee has not served the time required, they may only apply for Laboratory jobs with the documented approval of their Division Leader. The position commitment for this position is 1 year.

### ***Where You Will Work***

Located in beautiful Northern New Mexico (Santa Fe area), home of outdoor and cultural activities, Los Alamos National Laboratory is seeking R&D Mechanical Engineers, Metallurgical/Materials Engineers, Chemical Engineers or Nuclear Engineers to create technologies that matter to national and global security. Exciting opportunities currently exist in Engineering Sciences, Plutonium Science and Manufacturing.

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 maternity and parental leave
- Award-winning 401(k) (6% matching plus 3.5% annually)
- Learning opportunities and tuition assistance
- Flexible schedules and time off (paid sick, vacation, 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.

**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.

**HRP:** This position is subject to the requirements of the DOE Human Reliability Program as specified in 10 Code of Federal Regulation, Part 712, §712.11. These requirements include on going drug and alcohol testing, as well as periodic medical and psychological evaluations.

**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:** Regular appointment employees who have served the required period of continuous service in their current position are eligible to apply for posted jobs throughout the Laboratory. If an employee has not served the required period of continuous service, they may only apply for Laboratory jobs with the documented approval of their Division Leader. Please refer to Policy [Policy P701](#) for applicant eligibility requirements.

**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.