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Job Title **Electircal Engineer 3/4**  
Location **00-0726-233-OFF**  
Organization Name **ES-EPD/ENGINEERING PROJECT DELIVERY**

***What You Will Do***

The successful candidate will be expected to perform the following duties of this position, but are not necessarily limited to:

- Serve as the subject matter expert for facility electrical engineering matters, including all aspects of electrical safety, power quality, power monitoring, and critical power reliability/redundancy issues.
- Perform Power System Engineering Studies including Short Circuit, Device Coordinations, Equipment Sizing, and Arc Flash.
- Complete electrical designs for sustainment, restoration, modernization, and construction projects to correct emergency power deficiencies, improve system reliabilities, and increase power availability for LANL facilities.
- Develop electrical details, design/analysis calculations, specifications, etc. that incorporate the applicable design requirements for facility projects.
- Interface and coordinate with other engineering disciplines and the customer during the development of project deliverables.
- Support the associated safety analyses and hazards evaluations.
- Implement the LANL Conduct of Engineering (COE) Program.

***What You Need*****Minimum Job Requirements:**

**This position will be filled at either the Electrical Engineer 3 or 4 level, depending on the skills of the selected candidate. Additional job responsibilities (outlined below) will be assigned if the candidate is hired at the higher level.**

**Electrical Engineer 3:**

- Demonstrated broad-based, engineering experience with projects involving electrical design for new facilities and facility modifications.
- Significant technical knowledge in non-reactor nuclear facility electrical design.
- Significant experience with electrical analyses in accordance with the national codes and

standards for electrical engineering, including the IBC, NEC, IEEE, and NFPA 70E.

- Demonstrated experience with the preparation of design/analysis calculations, specifications, details, drawings, as well as the preparation of special tests and inspections for the electrical discipline.
- Knowledge of electrical engineering, principles, design guides and appropriate standards.
- Knowledge of engineering work planning coordination.
- Excellent communication skills (verbal and written).

**Education:**

BS degree in electrical engineering from an ABET accredited university.

- Minimum of 8 years of related experience.

**Additional Job Requirements for the Electrical Engineer 4:**

- Extensive experience regarding electrical engineering, and design of new facilities and facility modifications.
- Significant experience with the national codes and standards for electrical engineering, including the IBC, NEC, IEEE, and NFPA 70E.
- Ability to apply fundamental knowledge of Project Engineering Practices.
- Ability to perform work with minimal supervision.
- Knowledge and experience working with SKM power tools or a similar software package.
- Minimum of 12 years of related experience.

**Desired Skills:**

- Demonstrated knowledge of DOE standards applicable to electrical design implementation
- Professional Engineering certification.
- Familiarity with LANL engineering processes and procedures.

***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.

Los Alamos National Laboratory (LANL) is primarily responsible for monitoring the safety and reliability of the U.S. nuclear stockpile and conducting research into new defense programs. It is a center for research in a wide range of scientific disciplines, including space exploration, geophysics, renewable energy, supercomputing, medicine, and nanotechnology.

Engineering Services (ES) Division of 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 mission. The Electrical Engineer position within ES Division is assigned to the Engineering Project Delivery (ES-EPD) Group responsible for design services and the Conduct of Engineering (CoE) program implementation at LANL.

**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.

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

|                  |                 |
|------------------|-----------------|
| Minimum Salary   |                 |
| Maximum Salary   |                 |
| Appointment Type | <b>Regular</b>  |
|                  | Regular         |
| Posting Scope    | <b>External</b> |
|                  | External        |

**Contact Details**

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