FULL-TIME ENGINEER POSITION

Posting ID: E060216
Company: NSTec
Job Title: Engineer I
Position Type: Full-Time Employment
College Major(s): Mechanical Engineering

Company Website: http://www2.nstec.com/Pages/Job-Opportunities.aspx
Work Location: Area 23 – Mercury - Base Camp
Salary: N/A
College Level(s): Graduate Student

OVERVIEW

Job Requisition Number: 110875

RESPONSIBILITIES
As an individual contributing member of the Nuclear Safety Division within the Nuclear Operations Directorate, this position supports the performance of nuclear safety evaluations and analyses. These analytical tasks include the performance of hazards /accident analyses to derive hazard controls, and the development of other documentation such as descriptions of safety management programs (SMPs) and associated specific administrative controls for the completion of Documented Safety Analyses (DSAs) for nuclear facilities. Supports the completion of Criticality Safety Evaluations (CSEs) for fissionable material operations. Contributes to solutions of assignment-related problems and issues with a limited scope and of basic complexity within the nuclear safety functional area, using a well-defined set of technologies. Conducts modeling and calculations with nuclear safety software to support the completion of DSAs and CSEs. Conducts Management Assessments of nuclear safety activities. Generates and maintains Nuclear Safety procedures and implements improvements to nuclear safety business processes. Creates and updates nuclear metrics. As an entry level Engineer, a focus is placed on applying academic knowledge to the work environment and developing good work/team habits. Will apply demonstrated educational proficiencies to become technically qualified as a Safety Analyst and Criticality Safety Engineer when nuclear facility experience thresholds are attained.

Supports field programs, may monitor work of technicians, subcontractors, and other support personnel working on their projects, and performs related work as assigned by supervisor. Accept individual responsibility and accountability for environment, safety, health, and quality processes within personal control, personal safety, and the safety of co-workers. Comply with established regulations and procedures for environment, safety, health, and quality and perform duties in a way that will not cause personal danger, endanger other individuals, or violate environment, safety, health, and quality regulations. Promptly correct or report any hazard or potential hazard to supervision.
Understand the principles associated with the National Security Technologies, LLC (NSTec) safety concept. Participate in and embrace NSTec environment, safety, health, and quality initiatives.

**QUALIFICATIONS**

Bachelor’s degree in Nuclear Engineering discipline or related calculus-based Science, Technology, Engineering, and Mathematics (STEM) field. Master’s degree in an engineering discipline is desirable. Demonstrated technical knowledge of calculations, and applications of engineering methods. Applied knowledge of nuclear safety software such as Monte Carlo N-Particle Transport (MCNP) and MELCOR Accident Consequence Code System 2 (MACCS2). Awareness of industry or regulatory standards and design criteria pertinent to the particular engineering discipline. Must possess planning/organizing skills and initiative. Must be able to employ independent judgment and apply professional knowledge to ensure that assignments are completed efficiently and on time. Must possess interpersonal communication skills to deal with contacts in an effective, positive, and professional manner. Must possess mathematical skill and ability to understand complex data, terminology, procedures, laws, and regulations. Must possess an appropriate, valid driver’s license. Department of Energy Q Clearance (position will be cleared to this level). Reviews and tests for the absence of any illegal drug as defined in 10 CFR Part 707.4, “Workplace Substance Abuse Programs at DOE Sites,” will be conducted. Applicant selected will be subject to a Federal background investigation, and subsequent reinvestigations, and must meet the eligibility requirements for access to classified matter. Successful completion of a counterintelligence evaluation, which may include a counterintelligence-scope polygraph examination, may also be required. Reference 10 CFR Part 709, “Counterintelligence Evaluation Program.” Eligibility Requirements – To obtain a clearance, an individual must be a U.S. citizen at least 18 years of age. Reference DOE Order 472.2, “Personnel Security.”

**For Consideration:**

Apply by forwarding your resume, with identifying requisition number(s), using one of the following methods:

**E-mail:**  ntsresumes@nv.doe.gov

**Mail:**  National Security Technologies, LLC  
Attn: Human Resources, M/S NLV014  
P. O. Box 98521, Las Vegas, NV 89193-8521

**Fax:**  (702) 295-2448

**Note:** The Employment Application is optional unless selected for an interview.