



Information Session and On-Campus Interviews (Oct. 14th and 15th)

Are you looking for an employer who can offer you a competitive salary, provide a long-term career, and allow you to make a difference in the safety and security of our nation? You can get all that and much, much more at the National Nuclear Security Administration. NNSA is in the market for talented bachelor and master graduates with a strong background in engineering, science, business or security. In NNSA's Future Leaders Program, you'll have the opportunity to oversee cutting edge nuclear weapons science development and safety programs. You will be on the front line protecting the US from nuclear threats posed by terrorists and reckless political regimes around the world while also ensuring that domestic practices for handling nuclear materials are safe and secure.

So what will it take to get you on-board? How about a hefty signing bonus? How about college student loan repayment? And maybe some of the finest benefits in the workplace like health and retirement? They're all part of the package you'll get at NNSA.

If you're ready for a challenging career that will place the safety and security of the nation firmly in the hands of you and your colleagues, take your place in NNSA's Future Leaders Program.

Below, please find a list of our job descriptions, and information regarding the NNSA and the Future Leaders Program.

The NNSA will be holding an information session at New Mexico State on Wednesday, Oct. 14th from 6:00 – 7:30 p.m. in the College of Engineering building. We will be conducting on-campus interviews on Thursday, October 15th. If interested in interviewing please apply online through New Mexico Career Center, Online Recruiting Database.

Position Descriptions:

General Engineer (2 Positions) – Pantex Site Office, Amarillo, TX

For this position particular emphasis is placed upon personnel safety and health, environmental protection, and sound operational and engineering practices. The employee must be technically competent in all areas of facility operations, safety basis, project management and program oversight. The incumbent will be responsible for:

- Serving as a General Engineer with responsibility for program management, technical monitoring, advising and evaluating all aspects of operations of assigned facilities at the Site Office, and for ensuring the adequacy of communications between the management and operating (M&O) contractor and DOE/NNSA management.
- Assuring that activities are performed within the approved safe operating envelope, and in compliance with applicable orders, laws, and regulations

General Engineer – NNSA Service Center, Albuquerque, NM

This position is within the National Nuclear Security Administration's (NNSA) Office of Technical Services. In this position you will performs a variety of program management developmental assignments in support of the work carried out by senior technical and administrative staff within the Office of Technical Services. Functions include nonproliferation and technology development,

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packaging certification for weapon component and nuclear materials shipment, nuclear safety, occupational safety and health, environmental programs and project management. These assignments provide the opportunity for gaining an understanding of the agency mission, organization, and interrelationships, and for applying theories and principles acquired through academic preparation in engineering and the physical sciences to several program management functions. Duties include:

- Planning and budgeting of work programs, assisting in the implementation of said programs, assisting in technical oversight of work performed by others, assisting in analysis and evaluation for research and development, and other agency mission activities
- Receiving formal training in various subjects related to program management and technical and administrative support requirements

Physical Scientist/General Engineer – Office of Secure Transportation, Albuquerque, NM

This position is responsible for the management of all aspects of the occupational safety and health program in accordance with OSHA, DOE and other applicable federal and state regulations. This includes, but is not limited to: management of the OST Respiratory Protection, Hearing Conservation, Lead Monitoring, Laser Safety, and Blood borne Pathogen Programs; conduct workplace exposure assessments, noise, ventilation, ergonomic, and hazardous materials surveys; incorporate risk assessment methods in determining actions or recommendations to management; identify and monitor exposure control methods; and assist in the identification of injury and illness causes to help reduce employee injuries

General Engineer – Office of Secure Transportation, Albuquerque, NM

Responsible for project engineering services directed at project definition, project approval, project research and documentation. Active projects require project engineering, project management, project scheduling, project estimating, and procurement preparations. Planned and active projects require identification and communication with individuals who exercise jurisdiction over property, utilities, construction specifications, safety, security, and compliance with environmental policy. Responsibilities include cost estimation and project design review and the currently neglected value engineering performance and reporting. Value engineering requires cost-effectiveness analyses on proposed and ongoing projects for the purpose of determining soundness of project scope of work, reliability of estimates, and reasonableness of schedules. Evaluations are in terms of engineering adequacy. Analyze and document the impact of technical engineering decisions on the cost of the project and proposes alternatives which achieve a more cost-effective technical result.

Interprets reports and other financial data for program review, analysis, and approval of payment. Analyzes and resolves complex issues related to the financial aspects of the OST programs and prepares recommendations for OST program managers.

Analyzes financial activities and identified problems and proposes solutions in financial execution which could impact the OST program to include operating, capital, and general plant project funding. Provides guidance for the financial activities of the OST program; analyzes and assists in making recommendations for improvements in the financial systems.

General Engineer – NA-122.11, Albuquerque, NM

As an Engineer working in the Nuclear Explosive Safety Branch you will have the opportunity to:

- Develop and maintain a thorough understanding of:
 - DOE/NNSA Nuclear Explosive and Weapon Surety Program
 - DOE/NNSA Nuclear Explosive Safety Program
 - DOE/NNSA Nuclear Explosive Safety Evaluation Processes
- Assist the NNSA Nuclear Explosive Safety Branch (NA-122.11) in the development, implementation and assessment of nuclear explosive safety policy and guidance in support of nuclear explosive operations at the Pantex Plant, Nevada Test Site, and Office of Secure Transportation

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- Assist the NNSA Nuclear Explosive Safety Branch (NA-122.11) in planning, conducting, and documenting nuclear explosive safety evaluations at the Pantex Plant, Nevada Test Site, and Office of Secure Transportation
- Provide advice to project teams and line management during the planning and preparation phases of NES evaluations
- Work directly with personnel in DOE/NNSA site offices, national laboratories, and the production plant in resolving nuclear explosive safety issues
- Evaluate effectiveness of corrective action on nuclear explosive safety evaluation findings
- Participate as the NNSA member of the Air Force and Navy Nuclear Weapon System Safety Groups
- Brief and consults with Defense Nuclear Facilities Safety Board (DNFSB) staff and ad-hoc technical groups about NES principles, responsibilities, and roles in nuclear explosive design and operations
- Maintain awareness of nuclear explosive safety-related issues that could impact NNSA or DoD
- Assist in developing training materials for nuclear explosive safety personnel
- Participate in appropriate nuclear explosive safety fora, as required
- Support emergency response activities of the Accident Response Group and Joint Technical Operations Team

General Engineer/Physical Scientist – NA-122.13, Albuquerque, NM

In this position the incumbent will assist Headquarters, NNSA Weapon Quality Branch (NA-122.13) in the development, implementation and assessment of weapon quality policy and guidance in support of nuclear weapon stockpile maintenance, modifications and dismantlement activities. While supporting the Weapons Quality Branch you will be responsible for:

- Develop and maintain a thorough understanding of:
 - DOE/NNSA Weapon Quality Policy (QC-1)
 - Office of Defense Programs Weapon Quality Assurance Procedures Manual (NA-10 WQAPM)
 - DOE Order 414.1C, *Quality Assurance*
- Monitor the implementation and execution of weapon quality assurance policy and guidance
- Maintain awareness of weapon quality-related issues that may impact NNSA, DOE, or DoD
- Assist in developing training materials for weapon quality assurance personnel
- Participate in appropriate weapon quality assurance fora, as required
- Assist Headquarters, NNSA Weapon Quality Branch (NA-122.13) in various assessment of NNSA site offices and contractors through participation in weapon quality assurance surveys
- Review site office quality assurance plans
- Review site office weapon quality quarterly and annual reports
- Conducts analysis to identify weapon quality assurance issues and trends

About the NNSA:

The NNSA is a semi-autonomous agency within the U.S. Department of Energy (DOE). Its mission is to execute the national nuclear security mission of the DOE through maintenance of a safe, secure, and reliable stockpile of nuclear weapons and associated materials, capabilities and technologies; promotion of international nuclear safety and nonproliferation; and administration and management of the naval nuclear propulsion program. NNSA is also devoted to restoring and improving the environmental quality of our operations, and extending the contributions of our national laboratories to basic applied research in science and technology. Much of the work of the NNSA is performed by contractor workforces. Most NNSA positions do not entail research, design, or hands-on scientific or engineering duties.

The Future Leaders Program

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The FLP is a two-year program that is designed to develop your technical competencies as well as your leadership skills. During the two years, participants will receive orientation and leadership training as well as discipline-specific training. Participants will also be required to serve on at least two rotational assignments during the two-years, one for 60 days at another NNSA site located throughout the United States, and another for 30 days. The FLP provides opportunities that build and strengthen the participant's technical and leadership knowledge base.

The rotational assignments require participants to be willing to travel to take full advantage of the program.

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