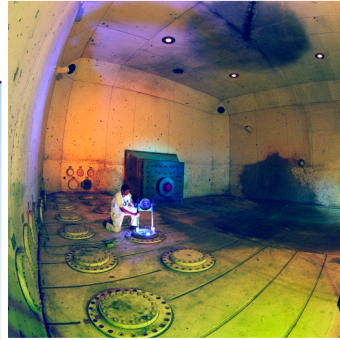




# LEARN ABOUT THE NUCLEAR SECURITY ENTERPRISE



**DEFENSE PROGRAMS**



One of NNSA's core missions is to ensure the United States maintains a safe, secure, and reliable nuclear stockpile through the application of unparalleled science, technology, engineering, and manufacturing. The Office of Defense Programs carries out NNSA's mission to maintain and modernize the nuclear stockpile through the Stockpile Stewardship Program.

**DEFENSE NUCLEAR NONPROLIFERATION**



Preventing nuclear weapons proliferation and reducing the threat of nuclear and radiological terrorism around the world are key U.S. national security strategic objectives that require constant vigilance. NNSA's Office of Defense Nuclear Nonproliferation works globally to prevent state and non-state actors from developing nuclear weapons or acquiring weapons-usable nuclear or radiological materials, equipment, technology, and expertise.

**ACQUISITION AND PROJECT MANAGEMENT**



NNSA's Office of Acquisition and Project Management delivers safe, quality construction on budget, and timely, best value acquisition solutions across the Nuclear Security Enterprise portfolio of missions. Responsible for the acquisition planning, design, contracting, construction, and start-up of line-item capital asset projects and major items of equipment at all NNSA sites. Holds NNSA's procurement authority and awards and administers all NNSA contracts, with particular emphasis on management and operating contracts.

**MANAGEMENT AND BUDGET**



NNSA's Office of Management and Budget designs and administers the corporate planning, programming, budgeting, and evaluation system, including supporting cost estimations and analysis of alternatives of major acquisitions. The office also manages the operational aspects of human resources; coordinates employee learning and career management; provides logistical support for Headquarters employees; coordinates international operations; and handles audit coordination and internal affairs functions for NNSA Headquarters.

**COUNTERTERRORISM AND COUNTERPROLIFERATION**



NNSA's counterterrorism, counterproliferation and nuclear incident response programs are ready to respond to stolen or misplaced radioactive materials, a nuclear weapon out of the control of a nation-state ("loose nuke"), or an improvised nuclear device. In addition, the NNSA works to reduce the danger posed by proliferant nations pursuing a nuclear weapons capability.

**NAVAL NUCLEAR PROPULSION**



NNSA's Naval Reactors Program, also known as the Naval Nuclear Propulsion Program, provides the Navy with militarily effective nuclear propulsion plants and ensures their safe, reliable, and long-lived operation. The Navy utilizes these nuclear propulsion plants on all of its submarines and aircraft carriers.

**DEFENSE NUCLEAR SECURITY**

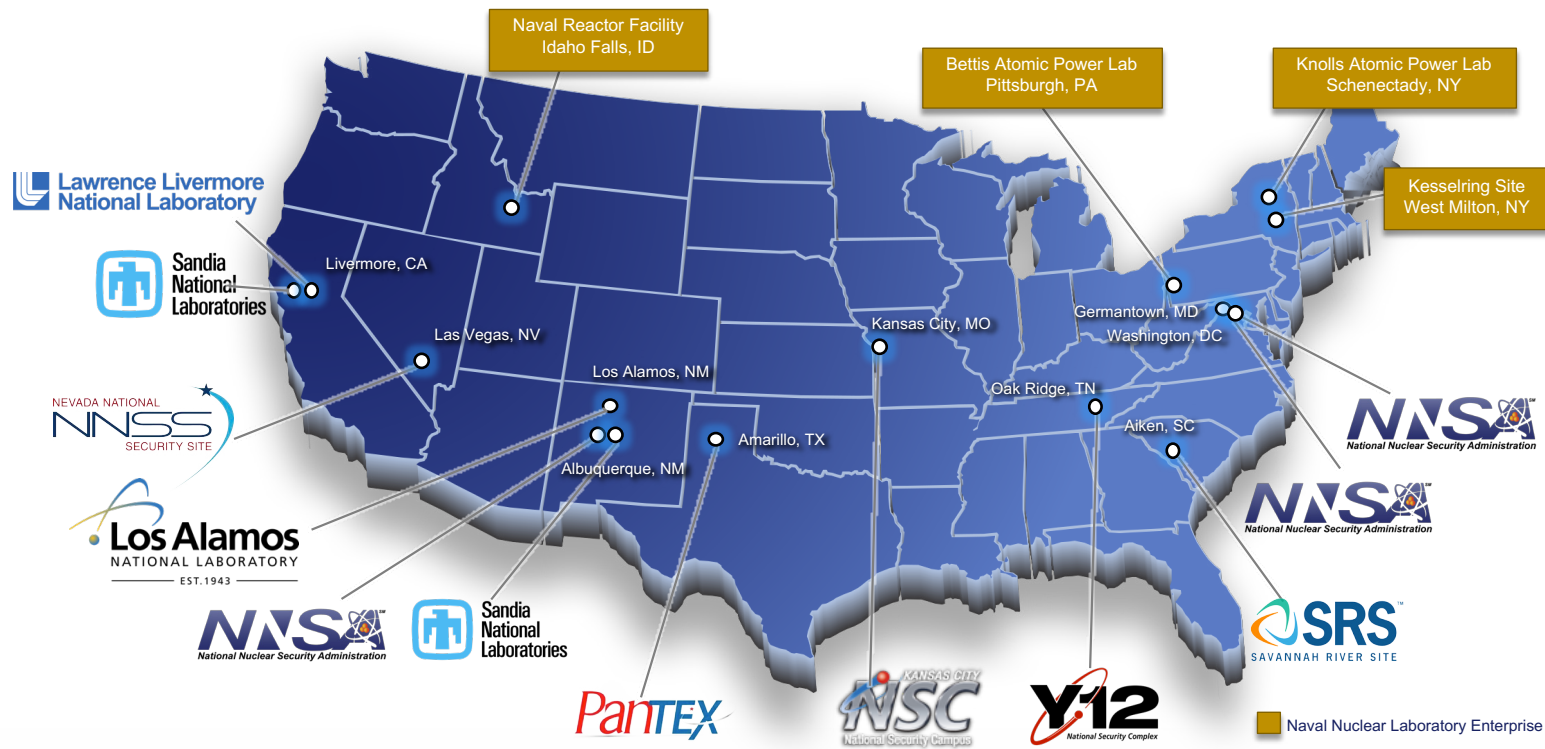


NNSA's Office of Defense Nuclear Security (DNS) leads, develops, and implements the NNSA security program to enable the Nuclear Security Enterprise (NSE) missions by protecting materials, information, and people. DNS integrates multiple security capabilities across the sites and collaborates with Safeguards and Security professionals across the interagency. DNS establishes the operational planning and programming of the NNSA security program and evaluates field security programs. The DNS program office also implements the Personnel Security Access Authorization Program, the Facility Clearance Program, and NSE-wide Classification Program.

**SAFETY, INFRASTRUCTURE AND OPERATIONS**



NNSA's Office of Safety, Infrastructure, and Operations enables safe operations, ensures effective infrastructure, and provides enterprise services to meet the 21st century Nuclear Security Enterprise (NSE) needs. To carry out its mission, this office has responsibility for the programs, policies, processes, and procedures for assuring effective integration of activities and implementation of programs across NNSA's NSE.

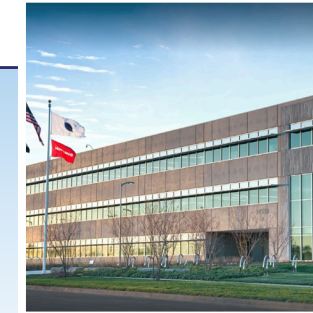


PLANTS AND SITES



PANTEX PLANT

NNSA's Pantex Plant, near Amarillo, Texas, maintains the safety, security and effectiveness of the nation's nuclear weapons stockpile. Work performed at Pantex includes support of the nuclear weapons life extension programs; nuclear weapons dismantlement; the development, testing and fabrication of high explosive components; and interim storage and surveillance of plutonium pits. It is managed and operated by Consolidated Nuclear Security, LLC.



KANSAS CITY NATIONAL SECURITY CAMPUS

NNSA's Kansas City National Security Campus (KCNSC), located near Kansas City, Missouri, is responsible for manufacturing and procuring nonnuclear components for nuclear weapons, including electronic, mechanical, and engineered material components. It supports national laboratories, universities, and U.S. industry. KCNSC was formerly known as the Kansas City Plant. It is managed and operated by Honeywell Federal Manufacturing & Technologies, LLC.



NEVADA NATIONAL SECURITY SITE

NNSA's Nevada National Security Site (NNSS) helps ensure the security of the United States and its allies by supporting the stewardship of the nuclear deterrent, providing emergency response capability and training, and contributing to key nonproliferation and arms control initiatives. It executes unique national-level experiments, supports national security customers, manages the legacy of the nuclear deterrent, and provide long-term environmental stewardship for site missions. NNSS was formerly known as the Nevada Test Site. It is run by Mission Support and Test Services, LLC.

HEADQUARTERS



DOE's Forrestal Building in Washington, D.C.



NNSA/DOE Albuquerque Complex



DOE's Germantown Building in Germantown, MD

NNSA is run from headquarters buildings spread over three sites: the Forrestal Building in Washington, D.C., home of the Department of Energy; the department's Germantown Building in Germantown, Maryland; and the Albuquerque Complex at Kirtland Air Force Base in Albuquerque, New Mexico.



SAVANNAH RIVER SITE

NNSA operates facilities at the Savannah River Site (SRS) near Aiken, South Carolina, to supply and process tritium, a radioactive form of hydrogen that is a key component of nuclear weapons. SRS loads tritium and non-tritium reservoirs; processes reservoirs; and recycles, extracts, and enriches tritium gas. SRS also plays a key role in NNSA's nonproliferation missions. SRS is run by Savannah River Nuclear Solutions.



Y-12 NATIONAL SECURITY COMPLEX

NNSA's Y-12 National Security Complex, in Oak Ridge, Tennessee, is the nation's only source of enriched uranium nuclear weapon components and provides enriched uranium for the U.S. Navy. It excels in materials science and precision manufacturing and stores enriched uranium. Y-12 supports efforts to reduce nuclear proliferation risk and performs work for other government agencies. It is managed and operated by Consolidated Nuclear Security, LLC.

NATIONAL LABORATORIES



LAWRENCE LIVERMORE NATIONAL LABORATORY

NNSA's Lawrence Livermore National Laboratory (LLNL), located in Livermore, California, is a design laboratory that is responsible for the safety and reliability of the nuclear explosives package in nuclear weapons. It supports surveillance, assessment, and refurbishment of the nuclear weapons stockpile. LLNL also possesses unique high-energy-density physics capabilities and scientific computing assets. It is managed and operated by Lawrence Livermore National Security, LLC.



LOS ALAMOS NATIONAL LABORATORY

NNSA's Los Alamos National Laboratory (LANL), located in Los Alamos, New Mexico, is a design laboratory responsible for the safety and reliability of the nuclear explosives package in nuclear weapons. This lab possesses unique capabilities in neutron scattering, enhanced surveillance, radiography, and plutonium science and engineering. LANL is run by Triad National Security, LLC.



NAVAL NUCLEAR LABORATORY

The Naval Nuclear Laboratory (NNL) provides broad support for the Naval Nuclear Propulsion Program in the design, development, improvement, maintenance, training for operation of naval nuclear propulsion plants, and ultimate disposition of the plants. It consists of Bettis Atomic Power Laboratory in West Mifflin, Pennsylvania; Knolls Atomic Power Laboratory in Niskayuna, New York; the Kenneth A. Kesselring Site in West Milton, New York; and the Naval Reactors Facility in Idaho. NNL is managed and operated by Fluor Marine Propulsion, LLC.



SANDIA NATIONAL LABORATORIES

NNSA's Sandia National Laboratories is responsible for the development, testing, and production of specialized nonnuclear components and quality assurance and systems engineering for all U.S. nuclear weapons. Sandia has locations in Albuquerque, New Mexico; Livermore, California; Kauai, Hawaii; and Tonopah, Nevada. It is managed and operated by National Technology and Engineering Solutions of Sandia, LLC.

TYPES OF POSITIONS



More than a job, a career with the NSE, allows you to demonstrate a high level of responsibility while making an impact on the Nation's national security.

Below are some of the many exciting career fields within the NSE:

- Cyber Security
- Engineering
- Physical Sciences
- Intelligence Research
- Information Technology
- Contracting
- Project Management

BENEFITS



The NSE offers competitive salaries to attract and retain the best talent in the national security field.

In addition to competitive salaries, the NSE offers benefits to include health insurance, life insurance, annual leave, sick leave, paid holidays, and comprehensive retirement benefits.

Come meet with labs and sites to learn about employment opportunities and career paths within the Nuclear Security Enterprise.

APPLYING FOR A JOB

The NSE offers both federal and contractor positions.

Candidates interested in applying for federal opportunities should visit [www.usajobs.gov](http://www.usajobs.gov) and search NNSA.

Candidates interested in applying for positions at the labs and sites should visit each location's respective career site:

**Kansas City National Security Campus**  
[kcncsc.doe.gov](http://kcncsc.doe.gov)

**Pantex Plant**  
[pantex.energy.gov](http://pantex.energy.gov)

**Lawrence Livermore National Laboratory**  
[www.llnl.gov](http://www.llnl.gov)

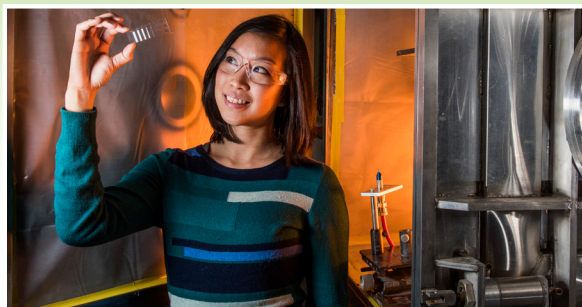
**Sandia National Laboratories**  
[www.sandia.gov](http://www.sandia.gov)

**Los Alamos National Laboratory**  
[www.lanl.gov](http://www.lanl.gov)

**Savannah River Site**  
[www.srs.gov](http://www.srs.gov)

**Nevada National Security Site**  
[www.nnss.gov](http://www.nnss.gov)

**Y-12 National Security Complex**  
[www.y12.doe.gov](http://www.y12.doe.gov)



## STUDENTS AND YOUNG CAREER PROFESSIONALS

Are you a student or young career professional considering a job with the U.S. Government's Nuclear Security Enterprise? Becoming a federal employee is a big step toward a bright future. We want to help you get started with a number of great opportunities.

### DOE NNSA GRADUATE FELLOWSHIP OPPORTUNITIES

#### NNSA GRADUATE FELLOWSHIP PROGRAM

**Description:** Year-long, salaried fellowships at various NNSA sites around the U.S.

**Focus:** Nonproliferation, stockpile stewardship, and infrastructure and oversight.

**Benefits:** Tuition reimbursement, travel and training stipend, and more.

**Eligibility:** Open to U.S. citizens within 18 months of receiving their master's degree or PhD, preferably in a STEM or policy field, at an accredited U.S. university, with a minimum cumulative GPA of 3.00/4.00.

**Requirements:** Fellows must be eligible for a security clearance and be able to work full time for the duration of the fellowship (June to June). Fellows are required to relocate to their assigned duty station by the start of their fellowship.

**Dates:** Applications open March through early October. Fellowships begin in June.

#### DOE NNSA STEWARDSHIP SCIENCE GRADUATE FELLOWSHIP

**Description:** Up to four-year-long paid fellowships.

**Focus:** High energy density physics, nuclear science, and properties of materials under extreme conditions and hydrodynamics.

**Benefits:** Paid tuition, a 12-week research practicum at one of DOE's national defense laboratories, rigorous program of study, annual program review, and more.

**Eligibility:** Open to U.S. citizens planning full-time, uninterrupted study toward a doctoral degree in the specified areas of study at an accredited U.S. university. Those eligible include senior undergraduate students and first- and second-year graduate students.

**Requirements:** During the summer, fellows should conduct full-time research related to completing their degree, enroll in classes or take a practicum assignment at one of the DOE NNSA laboratories.

**Dates:** Applications due early January. Fellowships begin early September.

#### DOE NNSA LABORATORY RESIDENCY GRADUATE FELLOWSHIP:

**Description:** Residencies lasting between two 12-week periods, six months, and up to four years at one or more of four approved DOE NNSA facilities: Lawrence Livermore National Laboratory, Los Alamos National Laboratory or Sandia National Laboratories, and the Nevada National Security Site.

**Focus:** Engineering and applied sciences, physics, materials, mathematics and computational science.

**Benefits:** Paid tuition, academic allowance for research or professional development expenses, rigorous program of study, annual program review, and more.

**Eligibility:** Open to U.S. citizens planning full-time, uninterrupted study toward a doctoral degree in the specified areas of study at an accredited U.S. university. Students must be in the second (or later) year of doctoral work in one of the supported fields of study at the time they apply.

**Requirements:** During the summer, fellows should conduct full-time research related to completing their degree, enroll in classes, or make progress toward fulfilling the laboratory residency requirement.

**Dates:** Applications open November through mid-March. Fellowships begin early September.

#### DOE NNSA COMPUTATIONAL SCIENCE GRADUATE FELLOWSHIP

**Description:** Up to four-year paid Traditional- and Math/CS-track fellowships for eligible students based in Ph.D. granting universities within the U.S.

**Focus:** Using high-performance computing to solve complex science and engineering problems.

**Benefits:** Paid tuition, a rigorous program of study, a 12-week practicum experience at one of 21 DOE national laboratories or sites, access to DOE supercomputers, an annual program review, and more.

**Eligibility:** Open to U.S. citizens or lawful permanent residents who plan full-time, uninterrupted study toward a Ph.D. at an accredited

U.S. university in specified fields. Math/CS-track applicants must be pursuing a doctoral degree in applied mathematics, statistics or computer science or in their academic equivalent, such as computational science or electrical engineering.

**Requirements:** Traditional track applicants must have a specific science or engineering application for their research. Math/CS track candidates will focus on fundamental research into enabling technologies that are broadly relevant to science and engineering applications of interest to DOE. Research must contribute to more effective use of emerging high-performance computer systems.

**Dates:** Applications due early January. Fellowships begin early September.

#### RICKOVER FELLOWSHIP PROGRAM IN NUCLEAR ENGINEERING

**Description:** Up to four-year-long paid fellowship at either Bettis Atomic Power Laboratory (Pittsburgh, PA) or Knolls Atomic Power Laboratory (Albany, NY).

**Focus:** Reactor physics, nuclear materials science and engineering, radiation shielding technology, thermal hydraulics, and computational fluid dynamics.

**Benefits:** Monthly stipend, paid tuition, fellowship assistant awards, travel reimbursement, and more.

**Eligibility:** Open to students seeking Ph.D. degrees in nuclear engineering, or in closely related fields pursuing research applicable to the science and engineering programs for the fellowship.

**Requirements:** Fellows must obtain and maintain a security clearance and, at the end of the fellowship, agree to be employed in naval nuclear propulsion at either the Bettis or Knolls Atomic Power Laboratories. The required employment period will be one month for every two months of Fellowship support with a minimum obligation of one year.

**Dates:** Applications due early January. Fellowships begin early September.



### NNSA FEDERAL STUDENT WORK OPPORTUNITIES

#### NNSA MINORITY SERVING INSTITUTION INTERNSHIP PROGRAM (NNSA-MSIIP)

**Description:** Summer, or year-long internships at DOE/NNSA headquarters, labs, plants, and sites.

**Focus:** Open to all academic backgrounds.

**Benefits:** Weekly stipend, travel, training, and housing allowances.

**Eligibility:** Open to U.S. citizens 18 years of age or older, attending a Minority Serving Institution.

**Requirements:** Interns must commit to the full term of their appointment, and complete all required training and assignments.

**Dates:** The inaugural MSIIP Class of 2022-2023 cohort will begin their internships on June 6, 2022. Applications for the Class of 2022-2023 will open in early-Fall of 2022.

#### PATHWAYS INTERNSHIP PROGRAM

**Description:** Full- and part-time paid internships for students.

**Focus:** Opportunity to explore career paths in the Federal Government while completing your education.

**Benefits:** Paid-internship, health, and life insurance (depending upon length of internship and hours worked). Some internships allow for eligibility for permanent positions upon completion of the internship program.

**Eligibility:** Be accepted for enrollment or enrolled and seeking a degree in a qualifying educational institution on a half-time to fulltime basis; be at least 16 years old; and be a U.S. citizen.

**Requirements:** Students must meet the eligibility and qualification requirements as outlined in the job opportunity announcement, which may include specific courses of study and minimum grade point average.

**Dates:** Throughout the year. Students are encouraged to visit [www.usajobs.gov](http://www.usajobs.gov) to search and apply for NNSA intern opportunities.

#### PATHWAYS RECENT GRADUATES PROGRAM

**Description:** One-year developmental program to promote careers in the Federal Government to recent graduates.

**Focus:** Opportunity for recent graduates to explore careers and gain experience in the Federal Government.

**Benefits:** Competitive salary, training, and professional development. Successful completion of the program allows for eligibility for permanent positions

**Eligibility:** Have completed, within the previous two years, a qualifying associate's, bachelor's, master's professional, doctorate, vocational or technical degree or certificate from a qualifying educational institution; and be a U.S. citizen.

**Requirements:** Recent graduates must meet the qualification requirements as outlined in the job opportunity announcement, which may include specific courses of study.

**Dates:** Throughout the year. Recent graduates are encouraged to visit [www.usajobs.gov](http://www.usajobs.gov) to search and apply for NNSA Recent Graduate opportunities.

### PATHWAYS PRESIDENTIAL MANAGEMENT FELLOWS PROGRAM

**Description:** A two-year entry-level leadership development program for advanced degree candidates and recent graduates with an advanced professional or graduate degree.

**Focus:** Designed to develop a cadre of potential Federal Government leaders.

**Benefits:** Competitive salary and benefits (e.g., health insurance, life insurance, Thrift Savings Plan, annual and sick leave), mentorship, professional training, and development) and eligibility for a full-time permanent position upon completion of the program.

**Eligibility:** Have completed an advanced degree from a qualifying educational institution within the past two years of the annual application opening date or are a current graduate student and will complete all advanced degree requirements (including the completion or successful defense of any required thesis or dissertation) by August 31st of the following year of the annual application.

**Requirements:** PMF Finalists must meet the eligibility and qualification requirements as outlined in the job opportunity announcement, which may include specific courses of study. PMF Finalists must be U.S. citizens.

**Dates:** Fall of each year. Additional information may be found at [www.pmf.gov](http://www.pmf.gov).

### NNSA LEGAL INTERNSHIP PROGRAM

**Description:** A year-round general counsel internship program with temporary full-time paid positions for law students in the summer and unpaid externships during the spring and fall semesters.

**Focus:** Federal procurement, environmental, ethics, fiscal, labor, employment, national security, and international law.

**Benefits:** Experience working with the NNSA Office of the General Counsel responsible for providing legal services, counsel, and support to the NNSA Administrator and all NNSA elements worldwide

**Eligibility:** Must be U.S. citizen and, for summer internship must be a 2L, 2LE, 3LE student, or in third year of a 4-year joint JD program when applying. For spring/fall externship, must be 1L, 2L, 2LE, 3LE student, or in third year of a 4-year joint JD program when applying.

**Requirements:** Minimum 2.0 GPA, strong legal research and writing skills, and demonstrated interest in national security matters.

**Dates:** Application deadline for summer internship is Sept. 30 of year preceding internship start date. Deadline for fall externships is June 1 and for spring externships is Nov. 30.

### DOE STUDENT VOLUNTEER PROGRAM

**Description:** Three- to four-month assignments for students enrolled in an accredited high school, college, or university and looking to explore careers in energy.

**Focus:** Helping students develop skills needed in today's workforce while learning about DOE's exciting mission.

**Benefits:** Academic credit, university stipends, work experience, networking opportunities.

**Eligibility:** Applicants must be U.S. citizens enrolled at least half-time in an accredited high school (as a junior at least 16 years of age) or college or university and have a GPA of at least 2.5 on a 4.0 scale

**Requirements:** Secure permission to participate from your educational institution, commit to a 6 to 16-week program

**Dates:** Applications should be submitted at least three months prior to desired term.

### MILITARY ACADEMY COLLABORATION

**Description:** A cooperative research program that temporarily assigns cadets, midshipmen, and faculty from the 5 Service Academies to one of eight Nuclear Security Enterprise locations and Headquarters.

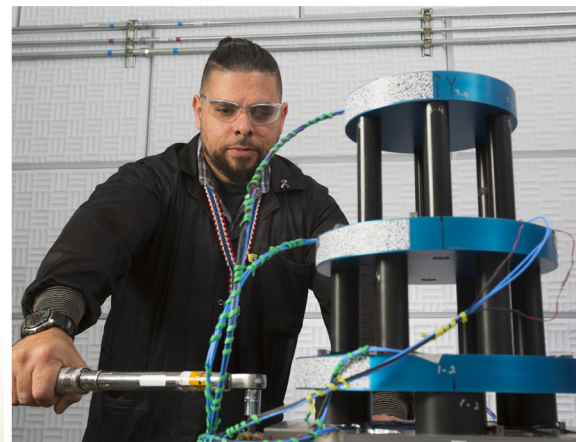
**Focus:** Bioscience and Biotechnology, Chemistry and Materials Science, Computations, Energy and the Environment, Engineering, National Security, Physics, and Astrophysics. Opportunities are also available for non-STEM areas.

**Benefits:** Exposure to cutting-edge R&D in disciplines and technologies of mutual interest to the Service Academies, DOD, DHS, DOT, and the NNSA.

**Eligibility:** Cadets, midshipmen, and faculty from the Service Academies (USMA, USAFA, USNA, USMMA, USCGA).

**Requirements:** Cadets and midshipmen must reach the GPA requirements of the hosting NSE location.

**Dates:** Applications are due in November. Assignments are 6-8 weeks between May and September.



## STUDENT LOAN REPAYMENT PROGRAM

Recruitment and retention incentives like the Student Loan Repayment Program help keep the workforce strong.

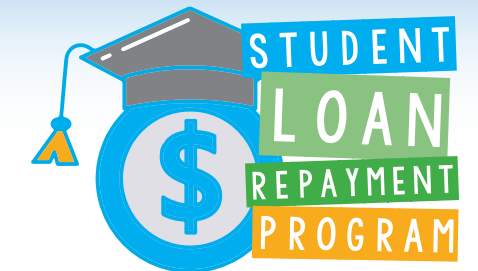
### AT A GLANCE

#### ARE YOU A JOB CANDIDATE OR CURRENT EMPLOYEE OF NNSA?

If so, we can offer you not only a competitive salary and exciting career opportunities, but also help repaying your student loans with our Student Loan Repayment Program!

NNSA believes that a highly qualified workforce is essential to ensuring the security of our Nation. That means:

- recruiting highly qualified candidates for initial Federal appointment and
- retaining the best and brightest workers in the national security field.



### QUALIFICATIONS

- Any employee (as defined in 5 USC 2105) is eligible, except those occupying a position excepted from the competitive civil service because of their confidential, policy-determining, policy-making, or policy-advocating nature (e.g., Schedule C appointees).
- Loans eligible for payment are those made, insured, or guaranteed under parts B, D, or E of title IV of the Higher Education Act of 1965 or a health education assistance loan made or insured under part A of title VII or part E of title VIII of the Public Health Service Act.

### REQUIREMENTS

- An employee receiving this benefit must sign a service agreement to remain with NNSA for at least three years; maintain an acceptable performance rating; and reimburse the NNSA for all benefits received if s/he is separated voluntarily or separated involuntarily for misconduct, unacceptable performance, or a negative suitability determination.

### LIMITATIONS

- Student loan payments may be made to qualified loan holders up to a maximum of \$10,000/year, or \$60,000 in an employee's lifetime.
- Periods of leave without pay, or other periods during which the employee is not in a pay status, do not count toward completion of the required service period. The service completion date must be extended by the total amount of time spent in non-pay status. However, as provided by 5 CFR 353.107, absence because of uniformed service or compensable injury is considered creditable toward the required service period upon reemployment.

For more information, visit  
[www.energy.gov/nnsa/working-nnsa](http://www.energy.gov/nnsa/working-nnsa)



[www.energy.gov/nnsa](http://www.energy.gov/nnsa)