LEARN ABOUT THE
NUCLEAR SECURITY
ENTERPRISE
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.

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.

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.

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.

NNSA’s Office of Defense Nuclear Nonproliferation works globally to prevent state and non-state actors from developing nuclear weapons or acquiring weapons-useable nuclear or radiological materials, equipment, technology, and expertise.

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.

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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.

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.
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.

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.

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.
Kansas City National Security Campus  
kcsnsc.doe.gov
Lawrence Livermore National Laboratory  
www.llnl.gov
Los Alamos National Laboratory  
www.lanl.gov
Nevada National Security Site  
www.nnss.gov
Pantex Plant  
pantex.energy.gov
Sandia National Laboratories  
www.sandia.gov
Savannah River Site  
www.srs.gov
Y-12 National Security Complex  
www.y12.doe.gov

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.
## 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

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<tr>
<th>Program Name</th>
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<td>NNSA Graduate Fellowship Program</td>
<td>Year-long, salaried fellowships at various NNSA sites around the U.S.</td>
<td>Nonproliferation, stockpile stewardship, and infrastructure and oversight.</td>
<td>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.</td>
<td>Paid tuition, travel and training stipend, and more.</td>
<td>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.</td>
<td>Applications open March through early October. Fellowships begin in June.</td>
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<tr>
<td>DOE NNSA Laboratory Residency Graduate Fellowship</td>
<td>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.</td>
<td>Engineering and applied sciences, physics, materials, mathematics and computational science.</td>
<td>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 2nd (or later) year of doctoral work in one of the supported fields of study at the time they apply.</td>
<td>Monthly stipend, paid tuition, fellowship assistant awards, travel reimbursement, and more.</td>
<td>Fellows must 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.</td>
<td>Applications due early January. Fellowships begin early September.</td>
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<td>DOE NNSA Stewardship Science Graduate Fellowship</td>
<td>Year-long, salaried fellowships.</td>
<td>High energy density physics, nuclear science, and properties of materials under extreme conditions and hydrodynamics.</td>
<td>Open to students seeking Ph.D. degrees in nuclear science or engineering, or in closely related fields pursuing research applicable to the science and engineering programs for the fellowship.</td>
<td>Competitive salary, training, and professional development.</td>
<td>Fellows 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.</td>
<td>Applications due early January. Fellowships begin early September.</td>
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<td>DOE NNSA Computational Science Graduate Fellowship</td>
<td>Up to four-year paid Traditional- and Math/CS-track fellowships for eligible students based in Ph.D. granting universities within the U.S.</td>
<td>Using high-performance computing to solve complex science and engineering problems.</td>
<td>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.</td>
<td>Competitive salary, training, and professional development. Successful completion of the program allows for eligibility for permanent positions.</td>
<td>Fellows 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.</td>
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<td>NNSA Minority Serving Institution Program (NNSA-MSIP)</td>
<td>Summer or year-long internships at DOE/NNSA headquarters, labs, plants, and sites.</td>
<td>Open to all academic backgrounds.</td>
<td>Open to U.S. citizens 18 years of age or older, attending a Minority Serving Institution.</td>
<td>Opportunity for recent graduates to explore careers and gain experience in the Federal Government.</td>
<td>Interns must commit to the full term of their appointment, and complete all required training and assignments.</td>
<td>The inaugural MSIP 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.</td>
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<td>Pathways Internship Program</td>
<td>Full- and part-time paid internships for students.</td>
<td>Opportunity to explore career paths in the Federal Government while completing your education.</td>
<td>Open to students seeking high school or post-secondary education, or in closely related fields pursuing research applicable to the science and engineering programs for the fellowship.</td>
<td>Competitive salary, training, and professional development. Successful completion of the program allows for eligibility for permanent positions upon completion of the internship program.</td>
<td>Fellows must 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.</td>
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<td>Pathways Recent Graduates Program</td>
<td>One-year developmental program to promote careers in the Federal Government to recent graduates.</td>
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SERVING THE NATION’S NUCLEAR SECURITY MISSION  |  WWW.ENERGY.GOV/NNSA

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 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.

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.

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.

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.

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.

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.

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.

Eligibility: Must be U.S. citizen and, for summer internship must be a 2L, 3L, 3LE student, or in third year of a 4-year joint JD program when applying. For spring/fall externship, must be 1L, 2L, 2LE, 3L 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 spring externships is June 1 and for spring externships is Nov. 30.

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

STUDENT LOAN REPAYMENT PROGRAM

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

AT A GLANCE

Student Loan Repayment Program

- Eligible
- Loan repayment
- Competitive salary
- Health benefits
- Paid time off
- Retirement plan

Are you, or do you know someone who is, a job candidate or current employee of NNSA? If so, we can offer 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:

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