

NNL CAREERS



Your guide to working at Naval Nuclear Laboratory

NAVAL NUCLEAR LABORATORY LOCATIONS:

The Naval Nuclear Laboratory is a Prime Contractor for the Naval Nuclear Propulsion Program and has been the U.S. Navy's trusted partner for designing and testing superior propulsion technology since 1946.

We have one mission: to develop the world's best naval nuclear propulsion systems for U.S. Navy submarines and aircraft carriers, train Sailors to operate them, and provide full lifecycle support to the Fleet from design and development, through operational life, to ultimate disposal. The Naval Nuclear Laboratory offers a unique career opportunity to provide the Navy with the technological edge that enables them to accomplish their mission safely and reliably.

The Naval Nuclear Laboratory has a record of unparalleled success and is more than 8,000 people strong at five primary locations.

OUR MISSION:

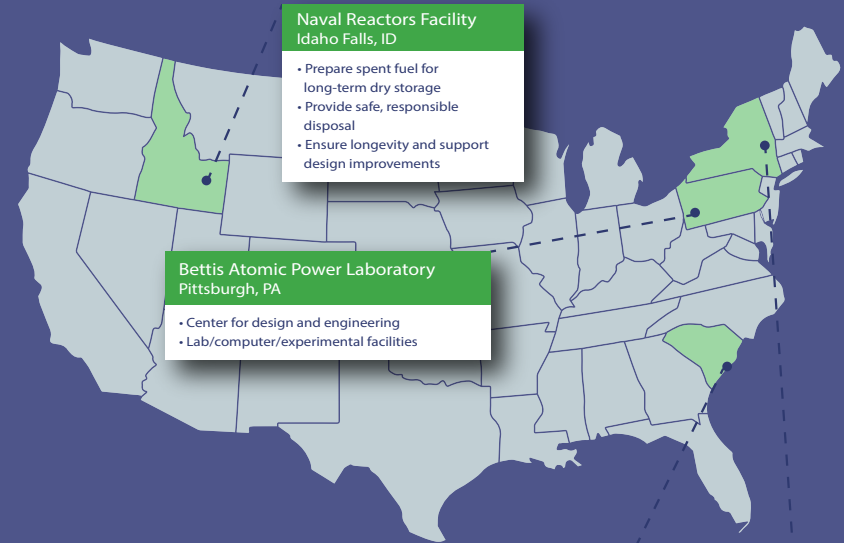
We design nuclear propulsion systems, train Sailors to operate them, and provide full life cycle support to sustain unrivaled warfighting capability

OUR VISION:

To deliver breakthrough innovations yielding unmatched power and propulsion to enable a dominant Naval force.

OUR VALUES:

Teamwork
Excellence
Bold Thinking
Integrity
Safety



Naval Reactors Facility Idaho Falls, ID

- Prepare spent fuel for long-term dry storage
- Provide safe, responsible disposal
- Ensure longevity and support design improvements

Bettis Atomic Power Laboratory Pittsburgh, PA

- Center for design and engineering
- Lab/computer/experimental facilities

Moored Training Ships at Nuclear Power Training Unit Charleston, SC

- Operating training ships
- Hands-on training of Navy personnel

Knolls Atomic Power Laboratory Schenectady, NY

- Center for design and engineering
- Lab/computer/experimental facilities

Kesselring Site West Milton, NY

- Operating prototype
- Hands-on training of Navy personnel

WHERE WE LIVE



Pittsburgh, Pennsylvania

The city of Pittsburgh consists of 90 unique neighborhoods, each with its own history and unique character. With a nationally recognized aquarium, aviary, and zoo, Pittsburgh abounds with museums, parks, and green space: a metropolitan city with a small town soul.



Capital District, New York

New York's Capital District is tucked into beautiful upstate New York between the Catskill and Adirondack mountains. As rich in history as it is in scenery, the city on the banks of the Hudson River, together with its surrounding area, has much to offer.

Idaho Falls, Idaho

One of the jewels on the fertile Snake River Plain, Idaho Falls is ranked among the Top 10 "Hottest Small Cities" by Inc. Magazine. The city of over 52,000 is big enough to offer a wide variety of entertainment, activity and 5-star cuisine, but small enough for an easy pace, clean air and riverside walks.



Charleston, South Carolina

The city of Charleston is located on Oyster Point in the Charleston Harbor, an inlet created by the Atlantic Ocean formed by the confluence of the Ashley and Cooper Rivers. Founded in 1670, Charleston is the oldest and second largest city in the state of South Carolina, making it a place where history comes alive.



CAREER OPPORTUNITIES

Engineering & Science

Our Engineers and Scientists are world class. No one else does what they do. They are pioneers in designing, testing, maintaining, and innovating nuclear propulsion systems for the world's greatest Navy.



Business Professionals

Supporting a staff of almost 8,000 people requires robust business infrastructure. We hire professionals in Security, Human Resources, Communications, Finance, Legal, Administrative Support, and more.

Project Management

Naval Nuclear Laboratory is constantly simplifying, innovating, and modernizing its processes and procedures; and we need project managers to lead us to be the most effective and efficient we can be.



Information Technology

System architecture, cybersecurity, infrastructure, networking, and information systems are just a few of the opportunities for professionals in the field of information technology.

Technicians & Skilled Trades

Technicians and skilled trade professionals are integral to the success of our mission. Whether operating our powerful machinery, or maintaining and building our facilities, we hire technicians across the spectrum of skilled workers.



Nuclear Operations Training

Prestigious accelerated leadership development program that provides hands-on nuclear plant operations experience while building a repertoire of leadership skills.

ENGINEERING LEADERSHIP DEVELOPMENT PROGRAM



This highly competitive, early-career development program prepares selected engineers for future technical leadership roles. During the three years in the ELDP, you will work on carefully chosen, highly rigorous and challenging projects while concurrently pursuing an advanced graduate degree. The program culminates in a high visibility, 12-month long technical capstone project.

The overall objective is to expose you to challenging work and field assignments, with heavy academic work load of graduate school and leadership opportunities (e.g., the Naval Nuclear Laboratory sponsored leadership training colloquiums and community outreach opportunities) in which you develop and demonstrate your potential capacity as a future technical leader. Moreover, the rotational and field assignments will

provide you with a broad range of technical and programmatic work experiences and instill a comprehensive understanding of the NNPP.

Education

ELDP engineers are required to pursue and successfully meet the academic requirements for an advanced graduate level degree in an engineering discipline of their choice, if they do not already have one, consistent with our technical business needs. Local and distance learning options are available, and all tuition, books, and associated non-discretionary fees are reimbursed by NNL (a grade of “B” or better is required).

Selection Requirements

We select students who have demonstrated high academic achievements, strong communication and teaming skills, the evident ability to learn complex technical systems and processes and demonstrated leadership initiative. If you have a bachelor’s degree in an engineering discipline from an ABET accredited institution, and a demonstrated ability to take on and successfully deliver on technically challenging assignments, consider applying.

NUCLEAR OPERATIONS PROGRAM

This program offers entry-level positions for qualified candidates. It challenges you to combine your technical and interpersonal skills. This is not a desk job. Evolve in a dynamic, challenging, hands-on environment, supervising the operation and maintenance of a naval nuclear power plant. You will work one-on-one with Navy personnel in a setting that fosters critical problem solving, decision-making, team building, and personnel development. We are looking for confident engineers with academic talent and interpersonal skills, who are in search of career advancement and technical leadership positions.

We recruit candidates throughout the year, for a comprehensive fifteen-month training program. Candidates spend the first six months at the Naval Nuclear Power School in Charleston, SC. Here, they are exposed to a broadening technical background of fundamental concepts of naval nuclear propulsion plants (Mathematics, Electrical Engineering, Heat Transfer and Fluid Flow, Chemistry, Materials, Radiological Fundamentals, Reactor Dynamics and Reactor Plant Operations). The remaining nine months of the program include on-the-job hands-on training at one of the following locations:

Charleston, SC – in one of two converted naval nuclear submarines

West Milton, NY – in an operating prototype plant



Once you complete the program, you will be responsible for coordinating complex maintenance and testing activities in the plant and support facilities. You will train those who will serve the U.S. Navy’s Nuclear Fleet. You will gain a broad experience that sets a solid foundation to launch a variety of careers and become a major contributor within our world class engineering and scientific communities. Develop the multidisciplinary competence required to lead a team of approximately 50 people right where cutting-edge technologies are used to envision, design, and deliver the Navy’s future propulsion capabilities.

Educational Requirements

Bachelor of Science degree in mechanical, electrical, nuclear, or chemical engineering with strong academic excellence (other technical disciplines may also be considered)

EMPLOYEE BENEFITS

Flexible Work Schedules

Most employees have the option to work a “9/80 alternate work schedule” where they have every other Friday off—that’s 26 additional days off per year. The traditional 5/40 schedule is also available. There are also teleworking options and flexibility with start/end times in most positions to help meet your personal needs.

Personal & Medical Time Off

Employees should have opportunities to spend time away from work to help balance their lives. By providing an allotment of Personal Time Off (PeTO), employees have the flexibility to use those hours for vacation, appointments, volunteerism, personal emergencies, or other activities addressing their needs. When you are first hired, you receive 40 hours in your PeTO account. After four months of service, you will begin to accrue PeTO at a rate commensurate with your 12-month eligibility amount.

Medical Time Off (MTO) may be used for illness, injury, or medical appointments for the employee or the employee’s immediate family. When an employee is first hired, they are credited with 56 hours of MTO on their first day of employment. Thereafter, employees accrue up to 56 hours of MTO on a pro rata basis in a 12-month period.

Paid Parental Leave

We understand the importance of bonding time for employees and their families. The Paid Parental Leave benefit provides up to four weeks of paid leave following the birth of a child or the placement of a child with an employee in connection with an adoption. Paid Parental Leave can be taken consecutively or in one-week increments within a 12-month period, with each week compensated at 100% of the employee’s salary.



ADDITIONAL EMPLOYEE BENEFITS INCLUDE:

- Career Growth
- Health, Dental & Vision
- Flexible Spending Accounts
- Disability, Life & Accident Insurance
- Employee Assistance Program (EAP)
- Wellness Program
- Employee Resource Groups, Professional Societies & More
- Tuition Assistance
- Student Debt Benefit Personal Time Off (PeTO) Sell Program
- Financial Wellness
- Other Voluntary Benefits

EMPLOYEE RESOURCE GROUPS, PROFESSIONAL SOCIETIES AND CLUBS & INTEREST GROUPS



There are many different opportunities to join coworkers and be an active member of the Naval Nuclear Laboratory team. You can join an Employee Resource Group (ERG), where members support each other and the mission of the company through your shared affiliation. There are also professional societies, committees, and clubs for almost any interest you might have. The list below is just the beginning of opportunities for you to grow, contribute, and become part of the Naval Nuclear Laboratory team. You can learn more on our website and you'll be able to connect with other employees as soon as you start working.

Employee Resource Groups

- Employee Diversity & Inclusion Council
- African American Employee Resource Group (AAERG)
- Asian-American & Pacific Islander (AAPI) Employee Resource Group
- Hispanic/LatinX Employee Resource Group (HLERG)
- Out Professional Employee Network (OPEN) Employee Resource Group
- Military Veterans Organization (MVO) Employee Resource Group
- Women in Nuclear (WiN) Employee Resource Group
- Working Moms Employee Resource Group



Professional Societies

- American Nuclear Society (ANS)
- National Society of Black Engineers (NSBE)
- Society of Asian Scientists and Engineers (SASE)
- Society of Hispanic Professional Engineers (SHPE)
- Society of Women Engineers (SWE)

Clubs & Interest Groups

- Health & Wellness Team
- Network of Volunteer Associates (NOVA)
- Newcomers Organization
- Toastmasters
- Sports Leagues (soccer, tennis, softball, basketball, ultimate frisbee, bowling, volleyball, running, biking, hiking, skiing, etc.)



CO-OPS AND INTERNSHIPS

NNL Co-op and Internship positions provide a diverse range of competitively paid work assignments and technical opportunities. Our co-op positions are in partnership with selected schools. A comprehensive benefits package includes defined contribution retirement plans, an option for a 9/80 work schedule and an expense stipend for qualified applicants. Opportunities are available for those graduating with BS, MS and PhD degrees.

NNL Co-op and Internship positions have a unique opportunity to visit, and potentially tour, aircraft carriers, submarines, servicing facilities and other areas of interest at a shipyard near their work location. These tours cultivate a better appreciation of the important work NNL does and the key role the Navy plays in protecting the USA.

- Business
- Chemistry
- Computer Engineers
- Computer Scientists
- Electrical Engineers
- Finance/Accounting
- Fire Protection Engineers
- Human Resources
- Industrial Engineers
- Information Science
- Information Technology
- Material Science and Engineering
- Mechanical Engineers
- Nuclear Engineers
- Software Development
- Software Engineers
- Supply Chain Management
- Welding Engineers

RICKOVER FELLOWSHIP PROGRAM

The Rickover Fellowship Program in Nuclear Engineering was designed to meet the needs of the Naval Reactors Program for appropriately trained personnel for the maintenance and development of science and engineering technology as it pertains to naval nuclear propulsion.

Students with undergraduate degrees in physical sciences or engineering are eligible to apply. Open to all individuals who will start graduate studies or graduate students who are currently enrolled in a qualified topic of study.

- Reactor Physics
- Nuclear Materials Science
- Nuclear Engineering
- Radiation Shielding Technology
- Thermal Hydraulics
- Computational Fluid Dynamics
- Acoustic Technology
- Artificial Intelligence



Enrollment: Fellows are expected to be registered and enrolled as a full-time graduate student, and to perform/study research within the objectives of the fellowship program.

Employment at Knolls or Bettis: Fellows are obligated to work at one of the laboratories following graduation. The employment required is a 2:1 support-to-service ratio (e.g. 6 months for one year of support)

Annual Renewal: Each fellowship is reviewed/renewed annually and is based on academic performance and course of study. DOE security clearance must be obtained prior to the first renewal.

Practicum: Fellows are required to participate in at least two practicum assignments for at least 3 months each at KAPL or Bettis to gain applied experience. The first practicum is normally held during the summer at the end of the first year of the fellowship.