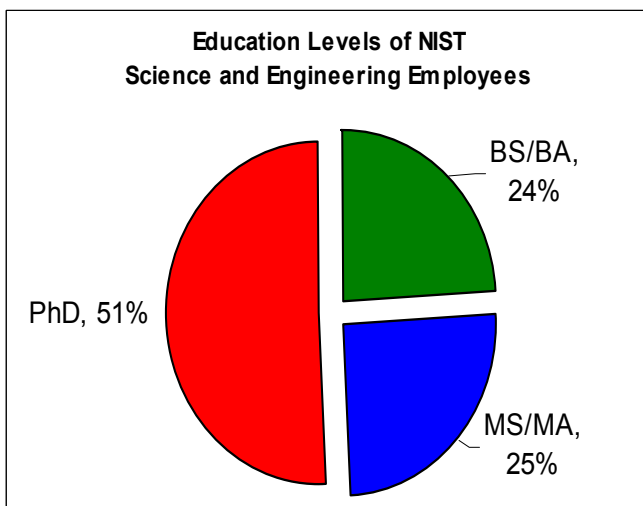


If you're looking for a challenging and rewarding career in science and technology, the National Institute of Standards and Technology (NIST) might be the right place for you.

Biotechnology. Analytical chemistry. Semiconductor electronics. Nanotechnology. Electron, optical, atomic, and quantum physics. Ceramics. Optoelectronics. Intelligent systems. Fire safety. Polymers. Building materials. Advanced network technologies. Statistical engineering. Neutron scattering. Nuclear engineering. NIST staff work at the forefront of these and many other fields.

NIST, an agency in the Department of Commerce, develops and promotes measurement, standards, and technology to enhance productivity, foster innovation, facilitate trade, and improve security and quality of life. NIST's approximately 2,800 employees provide a range of services that improve the quality of U.S. organizations, goods, and services and enhance the technology and manufacturing infrastructure of the United States.

To accomplish its mission, NIST employs highly trained and specialized scientists and engineers:



NIST headquarters is located in Gaithersburg, Maryland, on approximately 234 hectares (578 acres) just off Interstate 270 about 40 kilometers (25 miles) from Washington, D.C. The site is landscaped beautifully and features mature trees and ponds as well as many white-tailed deer and Canada geese. Walking paths and picnic areas provide easy and pleasant access for biking, walking, and jogging.

A second laboratory site is located in Boulder, Colorado, on 84 hectares (208 acres) near U.S. route 36 about 48 kilometers (30 miles) northwest of Denver at the foot of the Rocky Mountains. Situated near the Flatirons rock formations, the site features hiking, biking, trails and a variety of wildlife such as mule deer, marmots, prairie dogs, and an occasional coyote.

Employment Opportunities

NIST has a critical need for skilled, creative, and dedicated employees in the following specializations:

- ∞ **Engineering**
- ∞ **Physics**
- ∞ **Electronics**
- ∞ **Nanotechnology**
- ∞ **Metrology**
- ∞ **Chemistry**
- ∞ **Technicians**
- ∞ **Computer Science and IT**
- ∞ **Biotechnology**
- ∞ **Administration**

To view more information on employment on both campuses, visit: www.nist.gov/hrmd.

Benefits @ NIST:

NIST employees receive the following benefits.

- Pre-tax, low cost health insurance coverage with various plan types to choose from, including fee-for-service, HMOs, and high-deductible plans with Health Savings Accounts/Health Reimbursement Arrangements. Supplemental vision and/or dental coverage plans are also available.
- Flexible Spending Accounts for health care and dependent care.
- A portable retirement program that includes a tax deferred retirement savings, a portable retirement program that includes a tax-deferred retirement savings (up to \$15,500 per year) and an investment plan with up to 5% in automatic and matching contributions.
- Numerous training opportunities and educational support programs, including tuition reimbursement and student loan repayment.
- **Thirteen (13)** days of annual leave initially; **twenty (20)** days after three years of service and **26 days** after 15 years.
- **Thirteen (13)** days of sick leave annually.
- **Ten (10)** paid holidays annually.
- Alternative and flexible work schedules.
- An alternative personnel system that allows for performance, recruitment, and financial and leave retention incentives.
- On-site services that include child care, employee assistance, mentoring, transportation services, free parking. Both sites also include cafeterias, a credit union, a fitness center, a health unit, and a 24-hour library.
- Employee associations and affinity groups that sponsor recreational and social activities.

More detailed information regarding the benefit programs at NIST can be found at:

www.nist.gov/hrmd/benefits/summarychart.htm

RESEARCH & SERVICES @ NIST

There are 10 operating units that conduct research and provide services at NIST:

- The **Building and Fire Research Laboratory (BFRL)** studies building materials; computer-integrated construction practices; fire science and fire safety engineering; and structural, mechanical, and environmental engineering. Products of the laboratory's research include measurements and test methods, performance criteria, and technical data that support innovations by industry and are incorporated into building and fire standards and codes.
- The **Chemical Science and Technology Laboratory (CSTL)** develops and disseminates the standards required to support measurements of national interest in chemistry, chemical engineering, and emerging biosciences; assures that U.S. industry has access to accurate and reliable data and predictive models to determine the chemical and physical properties of materials and processes; and conducts research in measurement science to enable NIST to address next generation standards and data needs and to underpin the development, implementation, and/or assessment of new technologies.
- **Electronics and Electrical Engineering Laboratory (EEEL)** provides the fundamental basis for all electrical measurements in the United States. In close consultation with industry, EEEL tailors research and calibration programs to meet the most critical measurement needs for the manufacture and operation of electrical and electronic systems, including semiconductor, magnetic, radio frequency, microwave, optical, optoelectronic, and superconducting equipment; flat-panel displays; electronic instrumentation; and electrical power apparatus and systems.
- The **Information Technology Laboratory (ITL)** has been charged to lead the nation in utilizing existing and emerging IT to meet national priorities. Under the Federal Information Security Management Act, the lab develops cyber security standards, guidelines, and associated methods and techniques. Charged under other legislation, such as the USA PATRIOT Act and the Help America Vote Act, ITL is addressing the major challenges faced by the nation in the areas of homeland security and electronic voting.
- The **Manufacturing Engineering Laboratory (MEL)** works to satisfy the measurements and standards needs of U.S. manufacturers in mechanical and dimensional metrology and in advanced manufacturing technology by conducting research and development, providing services, and participating in standards activities.
- The **Materials Science and Engineering Laboratory (MSEL)** works with industry, standards bodies, universities, and other government laboratories to improve the nation's measurements and standards infrastructure for materials, including ceramics, metals, polymers, and nanomaterials.
- The **Center for Nanoscale Science and Technology (CNST)** endeavors to provide science and industry with the necessary measurement methods, standards, and technology to facilitate the development and productive use of nanotechnology from discovery to production in order to drive innovation in nanotechnology and the related frontier areas of science and technology.
- The **NIST Center for Neutron Research (NCNR)** is widely regarded as the most scientifically productive and cost-effective neutron facility in the United States, and serves more scientists and engineers than all other U.S. facilities combined. Neutron scattering techniques, in which beams of neutrons are used as probes to see the structure and movements of materials at the smallest scales are critical in a wide range of applications that will define the 21st century including nano-technology, alternative energies, and understanding the structure of biological molecules.
- The **Physics Laboratory (PL)** supports U.S. industry by providing measurement services and research for electronic, optical, and radiation technologies. The Laboratory pursues directed research in the physical sciences; develops new physical standards, measurement methods, and data; conducts an aggressive dissemination program; and collaborates with industry to commercialize inventions and discoveries. The laboratory programs span the full range from tests of fundamental postulates of physics through generic technology to the more immediate needs of industry and commerce. Its constituency is broadly distributed throughout academia, government, and industry.
- **Technology Services (TS)** provides a variety of products and services to U.S. industry and the public in collaboration with NIST laboratories, federal agencies, national measurement institutes, state and local governments, and the private sector. These products and services include support for NIST calibrations, Standard Reference Materials, Standard Reference Data, and weights and measures; coordination of documentary standards activities; training of foreign standards officials; laboratory accreditation; facilitating partnerships between NIST researchers and U.S. industry; and access to the NIST Research Library.