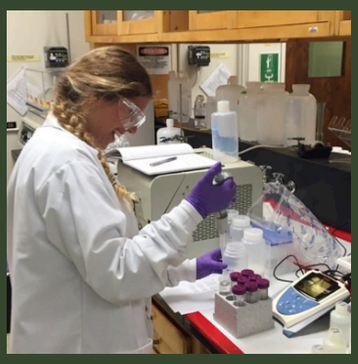
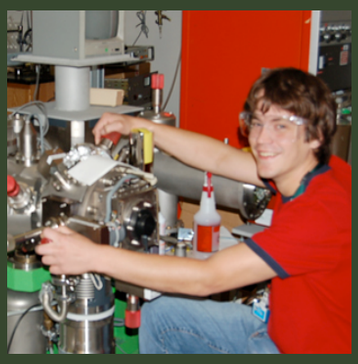


Student Opportunities at Lawrence Livermore National Laboratory

LLNL offers paid internships and sponsors fellowships for undergraduate and graduate students

UNDERGRADUATE

HPC Cluster Engineer Academy: HPC Cluster Engineer Academy is a 9-week paid internship that gives direct experience with running and maintaining high-performance computing (HPC) systems.
https://computation.llnl.gov/hpc-cluster-engineer-academy

UNDERGRADUATE and GRADUATE

Computation Scholar Program: Computation offers undergraduate and graduate students the opportunity to gain research experience and work with Laboratory Computer science mentors through our internship program.
https://computation-int.llnl.gov/directorate/workforce-career-development/scholar-program

Data Science Summer Institute: This program offers data science advanced undergraduate and graduate students the opportunity for a 12-week summer internship working on real problems that matter to the nation.
https://dssi.llnl.gov/

WCI HEDP Summer program: Opportunities for student interns to conduct research in the fields of nuclear physics, radiation transport, hydrodynamics, astrophysics, plasma dynamics, numerical methods and computer science.
https://wci-r.llnl.gov/news/summer_student.html

NIF Student Internship Program: Opportunities for undergraduate and graduate-level students to engage in cutting-edge scientific research in lasers, plasma physics, electro-optics, software development, and optical, x-ray, and nuclear instrument development and testing.
https://lasers.llnl.gov/education/opportunities/student-internship

Center for Global Security Research Student Intern: Engages undergraduate and graduate students in practical research experience to support United States policy and decision makers in developing strategies for national and international security. https://cgsr.llnl.gov/research-internships

Materials and Chemistry Institute (MaCI): Engages graduate and undergraduate students in hands-on experience in materials synthesis, material characterization, materials processing, analytical chemistry, materials science and engineering, electrochemistry, materials, chemistry, and physics.
https://pls.llnl.gov/careers/internship-programs/maci

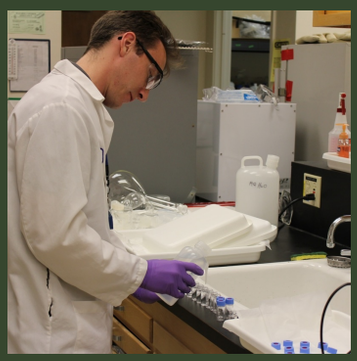
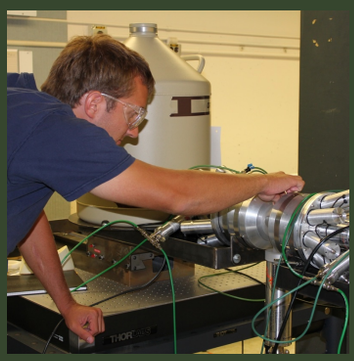
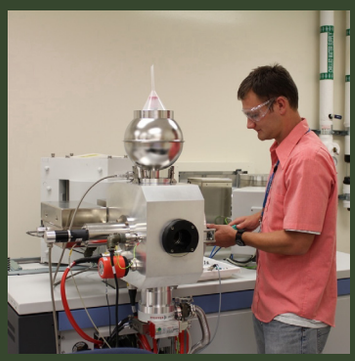
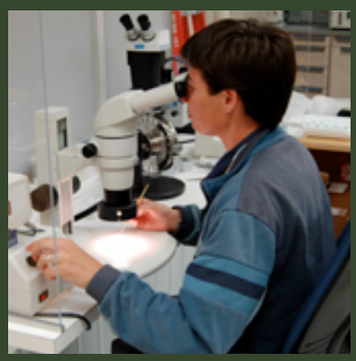
GRADUATE

Seaborg Nuclear Forensics Summer Internship Program: This 8-week summer program offers graduate students the opportunity to work directly with leading LLNL researchers on projects in the areas of nuclear forensics, nuclear chemistry, and environmental radiochemistry.
https://seaborg.llnl.gov/career-opportunities

Computational Chemistry and Materials Science Graduate Intern: Opportunities for graduate students to engage in practical research experience in the development and application of methods in computational materials science, computational chemistry, and other related areas of computational science.
https://pls.llnl.gov/careers/internship-programs/computational-chemistry-and-materials-science-summer-institute

Livermore Graduate Scholar Program: Top Ph.D. students are granted appointments of up to four years to conduct research of interest to the Laboratory while completing their thesis. https://lgsp.llnl.gov/

The Nondestructive Characterization Institute (NCI): Faculty and graduate students can help NCI solve a wide range of multidisciplinary problems using X-ray & neutron computed tomography, ultrasonics, microwaves, eddy current, inverse problems, signal & image processing, machine learning, data science, modeling & simulations. Faculty & students have the opportunity to acquire & analyze data, and interact with experts. https://nci.llnl.gov

Externally Sponsored Student Programs

UNDERGRADUATE

Student Undergraduate Laboratory Internships (SULI): Encourages undergraduate students to pursue STEM careers by providing research experiences at DOE laboratories.
https://science.energy.gov/wdts/suli/

Community College Internships (CCI): Encourages community college students to enter technical careers relevant to the DOE mission by providing technical training experiences at DOE laboratories.
https://science.energy.gov/wdts/cci/

UNDERGRADUATE and GRADUATE

Minority Serving Institution Internship Program (MSIIP): Provides undergraduate or graduate students attending a participating Minority Serving Institution the opportunity to spend 10 weeks in summer working at an NNSA laboratory.
https://www.energy.gov/nnsa/nnsa-minority-serving-institution-partnership-program

Homeland Security-STEM: The Department of Homeland Security sponsors a 10-week summer internship program for students majoring in homeland security-related STEM disciplines at federal research facilities around the country.
https://www.orau.gov/dhseducation/internships/application.html

GRADUATE

DOE Scholars Program: Introduces students to DOE's mission and operations.
https://orise.orau.gov/doescholars/

DOE office of Science Graduate Student Researcher Program: Provides graduate thesis research opportunities at DOE laboratories in areas that address scientific challenges central to the Office of Science mission.
https://science.energy.gov/wdts/scgsr/

DOE NNSA Stewardship Science Graduate Fellowship: Students planning to conduct research in a science or engineering discipline related to high-energy-density physics, nuclear science, or materials under extreme conditions and hydrodynamics are eligible for this fellowship.
https://www.krellinst.org/ssgf/

DOE Computational Science Graduate Fellowship: Students participating in this fellowship employ high-performance computing for discovery in disparate disciplines.
https://www.krellinst.org/csgf/

DOE NNSA Laboratory Residency Graduate Fellowship: Financial support is provided to talented individuals whose study and research is accompanied by extended, practical work experience at one or more of four DOE NNSA facilities. https://www.krellinst.org/lrgf/

Lawrence Livermore National Laboratory

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