Student Opportunities at Lawrence Livermore National Laboratory

**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](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](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/](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](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](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](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](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](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](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/](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](https://nci.llnl.gov)
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/](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/](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](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/dheducation/internships/application.html](https://www.orau.gov/dheducation/internships/application.html)

GRADUATE

DOE Scholars Program: Introduces students to DOE’s mission and operations. [https://orise.orau.gov/doescholars/](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/](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/](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/](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/](https://www.krellinst.org/lrgf/)