**Summer Internship Opportunities with Lawrence Livermore National Laboratory**

Lawrence Livermore National Laboratory is accepting summer 2024 internship applications from NSSC-affiliated students to join active projects in nuclear threat reduction, security, and nonproliferation R&D. During an eight-week internship, students will work directly with an LLNL staff member and collaborate with teams of experts to implement research methodologies, support results analysis and reporting. Interns will also join activities offered under the LLNL Summer Experience Program that will provide insights into national security mission areas, offer facility tours, hands-on training, and experimental opportunities. LLNL summer internships may be completed on-site, remotely, and in a hybrid format, and will be determined individually for each project. Certain internships may be extended to up to twelve weeks.

Applications are expected from NSSC fellows with interests in the following R&D topics:

- **Nuclear physics, science, and engineering**
- **Radiation detector science**
- **Nuclear material science**
- **Radiochemistry**
- **Nuclear chemical engineering**
- **Computational and optimization methods for nuclear applications**
- **Nuclear Security Policy**
- **Additive manufacturing**
- **Criticality Safety, Health Physics, Safety Analysis, ES&H**

NSSC students should contact their faculty advisor or the NSSC Program Manager to express interest in the program. Applications must include a CV with updated contact information (Email, Phone, Address), a brief cover letter detailing your research interests in one or more of the R&D topics mentioned above. Please send applications and inquires to avabenkhatar@berkeley.edu or nssc_info@berkeley.edu.

LLNL summer internships are available for NSSC fellows and affiliates pursuing undergraduate and graduate degrees in engineering, physics, computational sciences, and policy majors.

In addition, NSSC fellows are also encouraged to apply to any of LLNL summer schools:

**Data Science Summer Institute (DSSI):** https://data-science.llnl.gov/dssi/apply

**Seaborg Summer Institute on Nuclear Forensics:** https://seaborg.llnl.gov/career-opportunities

**Cybersecurity Summer Institute:** https://cyber-internship.llnl.gov/

| Organization | Deadline | Undergrad | Grad Student | US Citizen requirement? | Brief Description |
|---|---|---|---|---|---|
| Data Science Summer Institute | 26-Jan-24 | yes | yes | Foreign nationals ok | 12-week program consisting 50/50 of formal instruction and hands-on mentored research project |

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| Seaborg Institute on Nuclear Forensics | 2-Feb-24 | yes | yes | Foreign nationals ok | Graduate and undergraduate program in nuclear security and forensics with a focus on transuranic chemistry and related fields |
| Cyber and Infrastructure Summer Institute | (rolling applications) | yes | yes | US citizen | Cybersecurity internship |
| Materials and Chemistry Institute | 15-Feb-24 | yes | yes | US residents (including foreign nationals) | Experimental materials science research, along with a lecture series, across a broad set of topics |
| Computational Chemistry and Materials Science | 15-Feb-24 | -- | yes | US residents (including foreign nationals) | Computational materials science research, along with a lecture series, across a broad set of topics |
| Defense Science and Technology (WCI) | 16-Jan-24 | yes | yes | US person | Weapons and defense-related internship program |
| Computing Scholars | 26-Jan-24 | yes | yes | Foreign nationals ok | Computing Directorate generic internship program |