

THE 25th LOS ALAMOS DYNAMICS SUMMER SCHOOL (LADSS)

June 3 – August 9, 2024
ladss.lanl.gov

Early application deadline: November 27, 2023
Application portal closes: January 10, 2024*

* *Applications will be reviewed and offers extended throughout the Fall. Please apply early!*

Questions / inquiries email: ladss@lanl.gov



We are currently soliciting applicants for the 25th Los Alamos Dynamics Summer School (LADSS). During the ten-week LADSS program, students complete research projects within the multi-disciplinary field of dynamics – spanning mechanical, electrical, and structural systems. The students' research will focus on creating solutions to Los Alamos National Laboratory (LANL) mission-relevant problems that are defined by LANL R&D engineers and scientists. In addition to this research component, LADSS also offers formal technical and career development lectures, hands-on research-related tutorials, tours of LANL's unique experimental facilities, and seminars on research at LANL and partnering universities. LADSS is a paid summer internship.

This program is limited to U.S. citizens.

HOW TO APPLY

Read more about the program and apply at ladss.lanl.gov

Applications must contain:

- Current resume (3 pages maximum)
- Cover letter describing your interest in LADSS and multi-disciplinary dynamic systems research, as well as your near term (1-3 year) academic and professional goals
- Unofficial transcripts
- Letter of recommendation (multiple letters accepted)

RESEARCH PROJECTS

Students participate in weekly lectures on various aspects of dynamic systems engineering, such as signal processing, modeling dynamic systems, data acquisition, nonlinear systems, model validation, and machine learning. In most cases, the students will apply the material presented in these lectures to their respective projects. In addition to the research focused lectures, student will participate in professional development seminars that include applying to graduate school and graduate fellowships. Tours and seminars highlighting research in LANL's core mission areas provide students with exposure to the broad scope of work performed across LANL's more than 40 sq. mi. campus.

EDUCATIONAL ENRICHMENT

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All activities will be in person, on-site in Los Alamos, NM.

APPLICANT INFORMATION

The program is designed for upper-division undergraduate student to first-year graduate students† from a variety of academic disciplines, including computer science, physics, mechanical / aerospace / electrical / nuclear / civil engineering, and mathematics / statistics. Twenty-one students are accepted into the program based on academic record, application, and letters of recommendation. As a general guideline, students should have sufficient academic achievement that they are, or will be, eligible for graduate school. In lieu of salaries, the students are provided with a fellowship that is intended to also cover relocation and housing expenses. Fellowship amounts range from \$10,000-\$14,000, depending on academic status (see https://www.lanl.gov/careers/career-options/student-internships/_assets/docs/Student Salary Structure 2023.pdf) and the point of origin for the student's travel to LANL. Additionally, all travel costs for attending and presenting at the conference are covered.

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