

SURF NIST Boulder

Summer Undergraduate Research Fellowships
National Institute of Standards and Technology
Boulder, Colorado

The SURF NIST Boulder program provides 11-week appointments for outstanding undergraduates to engage in state-of-the-art research with senior scientists and engineers in the unique research facilities at the NIST campus in Boulder, Colorado.

RESEARCH AREAS

- Materials reliability
- Mathematics and computational sciences
- Optoelectronics
- Quantum physics
- Quantum electrical metrology
- Thermophysical properties
- Statistical modeling and analysis
- Time and frequency metrology
- Electromagnetics

Living arrangements

Housing will be offered within walking distance of NIST.

Fellowship award

SURF NIST Boulder awards include a fellowship of \$4,500, a living allowance, and a travel allowance.

Eligibility

Applicants must be U.S. citizens or permanent residents and undergraduates at a U.S. university or college with a technical major. A G.P.A. of 3.0 or better is recommended. Each student must be covered by a health insurance plan (either through school or family). Students with physics, materials science, chemistry, mathematics, computer science, or engineering majors are encouraged to apply. There may be research opportunities for students with other majors.

Program duration

May 24 to August 6, 2010. Adjustments will be made to accommodate specific academic schedules (e.g., quarter systems).

Application deadline

February 16, 2010. The student's university must submit a grant proposal that provides details about its academic programs and nominates one or more students. Each student must provide a transcript, two letters of recommendation, and a personal statement of interest.

"...The SURF NIST Boulder program has opened doors for me..."

"...I learned a lot about how the scientific community in general, and metrology specifically, are critical to the search for new fuels. ... I feel better prepared to discuss emerging alternative energy

"...Never have I been as deeply engaged with science as I was at NIST, ... I left Boulder with a renewed passion for physics and a determination to work toward a research career. It was the turning point in my decision to pursue a graduate degree."

Contact

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More information at <http://SURF.Boulder.NIST.gov>