

Eligibility for CCI Internship:

- Must be a U.S. Citizen or Permanent Resident & at least 18 years old
- Must have a high school diploma or General Education Development (GED) at the time of applying
- Currently enrolled as a full-time student at a community college or accredited two-year college and completed at least one semester at the time of applying
- Completed at least 6 credit hours in science, mathematics, engineering or technology course areas, and 12 credit hours towards a degree
- Must have a minimum GPA of 3.0 on a 4.0 scale

For more information, visit the U.S. Department of Energy's Website:
<http://science.energy.gov/wdts/cci/>

To Apply:

- Complete the Department of Energy's online CCI Internship application:
<http://science.energy.gov/wdts/cci/how-to-apply/>

The mission of the CCI Program is:

- To encourage community college students to enter technical careers by providing research opportunities in DOE laboratories
- To support students, especially those from disadvantaged backgrounds
- To provide students an opportunity to work on projects under the mentorship of SLAC staff
- To provide hands-on technical experiences for community college students in a national laboratory setting

SLAC National Accelerator Laboratory
2575 Sand Hill Road
Menlo Park, CA 94025-7015
slac.stanford.edu

SLAC Science Program

<http://www6.slac.stanford.edu/research/>

SLAC Educational & Community Outreach Programs:

<http://stanford.io/1acTf2h>

SLAC is operated by Stanford University for the U.S. Department of Energy Office of Science

CCI

Community College Internship

Spend the summer at SLAC National Accelerator Laboratory and be exposed to a world-class facility and cutting-edge research.



SLAC National Accelerator Laboratory

Established in 1962 at Stanford University in Menlo Park, California, SLAC National Accelerator Laboratory is one of the world's leading research laboratories. Our facilities are used to explore the world around us – from discovering the basic building blocks and forces of matter to understanding the origin and evolution of the universe, with the potential to improve life for all of us. Our mission is to:

- Grow into a premier photon science laboratory
- Maintain our position as the premier accelerator laboratory
- Pursue strategic programs in particle physics, particle astrophysics and cosmology

The laboratory designs, constructs, and operates state-of-the-art electron accelerators and related experimental facilities. The laboratory's two-mile linear accelerator – the longest in the world – propels electrons to high energies and speeds of more than 99.999% the speed of light. The accelerator is now used to power the world's first X-ray free electron laser, allowing researchers to probe complex molecules and freeze atomic motions, revealing fundamental processes in chemistry, materials science and life itself.

SLAC is enriched by over 3,000 visiting scientists from universities, laboratories and companies from the United States and abroad.



Community College Internship (CCI)

SLAC has an exciting program funded by the U.S. Department of Energy, which offers an 8 or 9 week summer internship for community college students to work on a technology project at the laboratory. This internship encourages students to enter technical careers in research and development, industry or academic institutions and in DOE national laboratories.



During the internship, students conduct research while being mentored by SLAC staff. Typical research projects include:

- Rapid throughput transmission XRD sample holders
- High resonant frequency PZT mirror mount
- Testing X-ray intensity monitor
- Laser experiment support

Students will also participate in scientific lectures and tours of local research laboratories and industrial sites in the San Francisco Bay Area and in Silicon Valley.

At the conclusion of the program, students

write a paper and make a brief presentation on their projects.

Students selected for the internship receive:

- Stipends
- Travel expenses
- Free housing on Stanford University campus

SLAC particularly encourages applications to this program from students belonging to groups underrepresented in physical science careers, including women, minority students, or low-income students.

If you have any questions, please contact Maria Mastrokyriakos at 650.926.2265 or mmastro@slac.stanford.edu.

Please visit the SLAC CCI Program Website for more information: <http://stanford.io/17Epd76>.