



IINSPIRE/LSAMP AURA Undergraduate Internships for 2019

The IINSPIRE Program, in partnership with the Association of Universities for Research in Astronomy (AURA), will offer internships in 2019. This program is intended to provide students with work and research experience at a major astronomical observatory. The workforce of an astronomical observatory includes a wide variety of professionals with skills ranging from scientific research and software development to engineering and instrument building. Applicants are expected to have course work experience that will enable them to contribute to the work of the observatory.

The internships are expected to last approximately ten weeks. Preference will be given to third and fourth year students. Agreed upon travel and living expenses will be paid in addition to a stipend of \$5,000.

Locations

Students accepted into the internship may complete their work at one of the AURA observatories listed below. The internship location will depend on the availability of projects in any year.



The National Optical Astronomy Observatory (NOAO) is located in Tucson, AZ. Its telescopes include Kitt Peak National Observatory, near Tucson and the Cerro Tololo Inter-American Observatory near La Serena, Chile. Learn more at www.noao.edu.



Headquarters for the National Solar Observatory (NSO) are located in Boulder, Colorado. NSO's current major initiative is the construction of the Daniel K. Inouye Solar Telescope in Hawaii. Learn more at www.nso.edu.



Space Telescope Science Institute (STScI) is located in Baltimore MD, on the campus of Johns Hopkins University. STScI operates the Hubble Space Telescope for NASA and is developing its successor, the James Webb Space Telescope. Learn more at www.stsci.edu.



The International Gemini Observatory operates twin telescopes. Gemini North is located on Mauna Kea, near Hilo, Hawaii. Gemini South is located on Cerro Pachón, near La Serena, Chile. Learn more at www.gemini.edu.



Headquarters for the Large Synoptic Survey Telescope (LSST) are located in Tucson, AZ. This new telescope received its federal construction start in the summer of 2014. The completed facility will begin science operations from Cerro Pachón, Chile, by 2022. Learn more at www.lsst.org.

Internship Opportunities

Internships introduce participants to a full range of technical and scientific skills involved in building and operating modern observatories. To accomplish research in astronomy using the most advanced telescopes, the staff at AURA's observatories include electrical, mechanical, optical, systems and software engineers, computer scientists and other technical specialists. These individuals work in partnership with our research scientists and participate in the end-to-end development of some of the world's most advanced astronomical instrumentation and enhance capabilities for astronomical research. The experience gained by students in the learning and research environment we offer are broadly applicable in a number of industrial settings as well.

The application form for AURA Undergraduate Internships is available at:

<http://iinspire.aura-astronomy.org>

The following links provide further information:

<http://www.iinspirelsamp.iastate.edu/overview.php>

<http://www.aura-astronomy.org>

<http://www.aura-astronomy.org/diversity.asp>

Follow us on Facebook and Twitter

www.facebook.com/pages/AURA/266403886926

<http://twitter.com/AURADC>