

Research/Internship Opportunities Fair Exhibitors

Ames Laboratory—U.S. Department of Energy

The Ames Laboratory offers several internship opportunities for students and faculty members.

The Community College Internship (CCI) is a 10-week summer internship program that puts students side by side with engineers, technicians and other experts at our research laboratory. Students will receive valuable, hands-on technical training in areas such as mechanical engineering, electronics and other areas.

The Visiting Faculty Program is a 10-week summer paid internship program that puts faculty members and students side by side with world-class researchers at their research laboratory. Faculty members and their students will receive valuable hands-on experience in breakthrough basic or applied research in chemistry, engineering, mathematics, computer science, metallurgy or physics. Faculty members are invited to bring two students with them when entering the program.

The Ames Laboratory Science Undergraduate Laboratory Internship (SULI) is a 10-week internship program that puts you side by side with world class researchers at their research laboratory. Students will receive hands-on experience in breakthrough basic or applied research in chemistry, engineering, mathematics, computer science, metallurgy, or physics.

Building a Successful REU Application

Get advice about how to build a successful REU application. Learn about resources, strategies, and tips on creating a winning application.

Center for Biorenewable Chemicals REU Program

The National Science Foundation's (NSF) Engineering Research Center's Center for Biorenewable Chemicals (CBiRC) will host REU students who will work toward achieving CBiRC's core mission of transforming the US chemical industry by integrating biological and chemical catalysis systems to produce biorenewable chemicals. The REU students will work in CBiRC labs conducting fundamental research to address the underlying technical challenges in the development of new integrated catalytic systems for the conversion of bio-based feed stocks to industrial chemicals.

Community College Transfer

Get advice for how you might navigate the two to four year transfer process. Learn about steps you should take, timelines, and planning strategies for making your transfer smooth and seamless.

CenUSA Bioenergy Research Internship for Undergraduate Students

The summer 2014 CenUSA Bioenergy Research Internship Experience for Undergraduates will provide rich interdisciplinary training and engagement opportunities for undergraduate students in all areas of the bioenergy value chain to meet the workforce challenges of the emerging bioeconomy.

The research internship program will enroll a class of 12 students, with all students spending the first five days in the program at the Iowa State University host site. While a portion of the students will remain at Iowa State University, several of the students will then travel to one of CenUSA's partner institutions (depending on their research interests) to complete their summer program at a partner lab. All students will maintain contact with the program through distance technologies for weekly meetings, seminars, and final presentations.

For more information or to apply, visit: <http://www.abe.iastate.edu/cenusa/>

Emerson Process Management, Fisher Controls Division

Nothing comes close to the career opportunities we provide at the Fisher business of Emerson. Whether you are a recent grad looking for a full-time opportunity or a current student looking for an experiential education opportunity, the Fisher business of Emerson offers challenging and rewarding work that will utilize and grow your knowledge, skills, and experience base. The Fisher business of Emerson is the largest control valve manufacturer in the world. Being part of a division that is the world leader in process controls systems and solutions shows our proven past and our promising future. As a global company, the Fisher business of Emerson is committed to continue to lead the industry with time-tested and innovative solutions. If you want to work in an environment where people, teamwork, and quality truly make a difference, Fisher is the place for you. Co-Op opportunities in several areas are available. Co-Op opportunities are for one semester and a summer. Currently we are recruiting for January - August and June - December co-op positions.

Getting Involved with IINSPIRE LSAMP

Learn how you can get involved with IINSPIRE LSAMP on your campus. Also learn about how you can become an IINSPIRE LSAMP Research Intern, find research opportunities within the alliance, and apply for IINSPIRE LSAMP funding for undergraduate research.

HHMI Summer Scholars Program

The HHMI Summer Scholars Program seeks to increase minority participation in science by providing a summer research experience for minority community college students interesting in transferring to a four-year university.

Interdepartmental Genetics

Graduate program in Genetics (Animal, Plant, Microbial, Genomics, etc.). Summer Internships at Iowa State University.

Iowa NSF EPSCoR

Iowa EPSCoR is a statewide renewable energy/energy efficiency grant that involves faculty and staff from ISU, UI and UNI. There are 4 research platforms: Bioenergy, Wind Energy, Energy Efficiency and Energy Policy.

Iowa State University Graduate College

Iowa State's vision is to be the best at advancing the land-grant ideals and putting science and technology to work. Our commitment in the Graduate College is to help you become a broadly educated, global citizen who is culturally informed, technologically adept, ready to lead, and prepared for your career. You will develop collaborative relationships with faculty who are national and international leaders in their fields of study.

Find your program of interest on the Graduate College website <http://www.grad-college.iastate.edu/> and take a look at the faculty research interests as well as on-going work at our various federal facilities. Contact the professors directly about opportunities. www.grad-college.iastate.edu has detailed information about admissions requirements. The rate of admission varies for different programs, but approximately 50% of US applicants are accepted.

Approximately 90% of PhD students and 30% of masters students are offered assistantships with a monthly stipend averaging approximately \$2,000. Most students holding assistantships also receive tuition support.

Nahant Marsh

Nahant Marsh is a 256 acre treasure nestled in Southwest Davenport. It is part of the 513 acre wetland complex that is bordered by the Mississippi River, Interstate 280, and Highway 22. Nahant Marsh preserve is one of the largest urban wetlands on the Upper Mississippi River. Nahant Marsh was used for skeet and trap shooting from the 1960's to the 1990's. Because of the lead left behind, the marsh was declared an EPA Superfund site and was cleaned up in 1999. After that time, the site was declared a preserve and educational center. The city of Davenport, the Nahant Board, Eastern Iowa Community College District, and River Action are all parts of Nahant Marsh.

Research is an integral part of Nahant Marsh. We are able to expand our knowledge of the ecosystems found here, which allows us to better maintain this amazing natural area. Research projects also allow students to participate in exciting projects and gain hands-on experience in their field of study. We offer research opportunities in the fields of Wildlife Biology, Ecology, Animal Behavior, Botany, Hydrology, Chemistry, Genetics, Geology, Geography, Toxicology, and many more.

NSF Nano REU Program

The National Science Foundation Research Experience for Undergraduates (NSF-REU) in Nanoscience and Nanotechnology at The University of Iowa will provide undergraduate students with research experience in cutting edge topics related to environmental and health aspects of nanoscience and nanotechnology. REU participants will have the opportunity to work with faculty mentors from the departments of Chemical and Biochemical Engineering, Civil and Environmental Engineering, Chemistry, Pharmacy, and Occupational and Environmental Health.

Sustainable Biomass Production and Processing Systems REU Program

The National Science Foundation (NSF) has provided funds to Iowa State University's Agricultural and Biosystems Engineering Department for a Research Experience for Undergraduates (REU) program that helps address sustainability of biomass production and processing. Student participants will select project areas that match their academic background and interests, and spend ten

Sustainable Biomass Production and Processing Systems REU Program (cont.)

summer weeks on campus working on hypothesis-driven research projects. Project topics are contributed by faculty researchers, while faculty and graduate students mentor each student's research. The REU students become a part of a team involved in areas that address critical, long-term national needs in sustainable biomass production.

The Sustainable Production and Processing Systems for Biomass-Derived Fuels of the Future (SBPP) REU program selected participants will explore the scientific and engineering frontiers of sustainable biofuel production and processing and generate new knowledge that advances our understanding of methods, processes and conservation practices that can enable us to produce biomass-derived renewable energy while minimizing impact on the environment.

Wind Energy Science, Engineering, and Policy

REU: Iowa State University offers an intensive 10-week on-campus research program in Wind Energy Science, Engineering, and Policy (WESEP) for undergraduate students. Ten fellowships are sponsored each year by the National Science Foundation's (NSF) Research Experiences for Undergraduates (REU) program.

PhD: This program is an Interdisciplinary Graduate Education and Research Traineeship (IGERT), sponsored by the US National Science Foundation, to train PhD students in WESEP at Iowa State University. Expected time to degree is 4 years beyond Bachelors