

Undergraduate Internship(s) in High-throughput Phenotyping

(Plant Science and Agricultural Engineering)

Location: Manhattan, KS and Maricopa, AZ (two internships each location)

Period: 8-10 weeks, Summer 2014 (40 hours/week, paid)

Undergraduate internships are available in the emerging field of high-throughput phenotyping. In plant breeding and genetics, innovative methods are needed to rapidly classify phenotypes of plants grown under field conditions. Through an NSF funded project, we are developing high-throughput platforms for field-based phenotyping. This program will bring agricultural engineering and plant science students together to develop innovative solutions to practical problems.



We are recruiting two interns in Plant Science/Genetics and two interns in Agricultural Engineering. Interns will gain hands-on experience in sensor calibration, field deployment and maintenance, data acquisition, and will be trained in phenotyping, small plot research and data analysis. Each intern will be mentored by an advisor in their discipline but will also be engaged in the overall scope of the project. Interns will be expected to have regular contact with mentors to discuss their progress and challenges. Based on their initial experiences and training, the students will be required to develop an original research project. At the end of their internships, they will complete a written report and present a seminar on their research.

Qualifications: Currently enrolled in an accredited undergraduate degree program in Plant Science or Agriculture Engineering (or closely related disciplines). A strong academic record and excellent written and oral communication skills are needed. Underrepresented minorities in science and engineering are encouraged to apply.

Application: send a cover letter describing interest in the internship and any previous experience. Include a 1-2 page resume/CV with at least three references.

Contact:

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