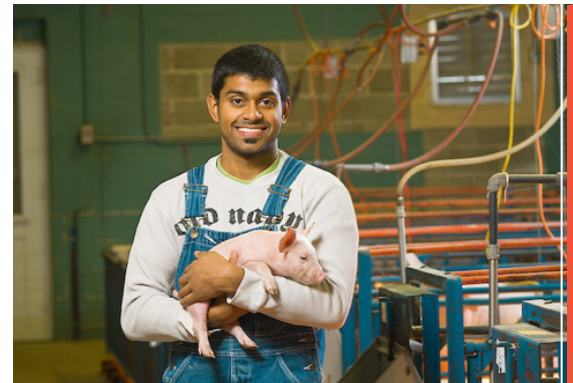


# ANIMAL SCIENCES SWINE TEACHING AND TRAINING FACILITY

The Department of Animal Sciences in the College of Agricultural, Consumer and Environmental Sciences (ACES) at the University of Illinois at Urbana-Champaign is world renowned for excellence in undergraduate teaching, research, and graduate training in swine nutrition and production sciences. Students in the Department of Animal Sciences combine their interests in biology and animals in a learning environment that extends beyond the classroom. Our department offers students opportunities to conduct undergraduate research, gain hands-on experience working in our laboratories and farms, participate in internships, and become active in a number of student organizations. They study production efficiency, profitability, and well-being of swine, dairy and beef cattle, and poultry to enhance the supply of food for a growing world population. In recent years, the animal sciences department has had to suspend student access to our swine facilities for biosecurity reasons. This has created a void in the development of future swine industry production and management professionals in the Department of Animal Sciences at the University of Illinois. Illinois ranks second nationally in swine production and offers opportunities that are important for our undergraduate and graduate students.

## OPPORTUNITY:

We propose to renovate the individual feeding unit at the Grein Farm research and teaching unit for use in our undergraduate curriculum. The hands-on lab experiences are critical to the complete development of our students so they can be competitive in reaching their career goals. This facility may also serve as a resource for veterinary students who want swine health and management experiences. In addition, the facility would be available for hosting training workshops for industry personnel. The Grein Farm location is isolated from other swine research facilities, which reduces biosecurity risks associated with high student traffic.



The primary objectives of students receiving training in this new facility are:

- Develop the next generation of leaders for the Illinois and U.S. industry through a targeted educational program combined with increased opportunities for a broad range of practical experiences.
- Allow students to increase their knowledge and experience of the modern industry.
- Develop a network of contacts within the commercial swine sector that will facilitate their transition into careers in the industry.

These objectives will help to provide the experiences and qualifications employers are searching for in today's job market.



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## RESOURCES REQUIRED:

The support needed will facilitate the renovation of current facilities and provide new equipment that provides student experiential learning opportunities.

These funds integrate the components of associated staffing and the equipment to enable training and learning exercises. Multiple courses (ANSC 100 Introductory Animal Sciences, ANSC 103 Animal Handling, ANSC 224 Growth and Reproductive Physiology and other individual lab sessions in graduate courses) will use the facility. Staffing plans include the hiring of upper level undergraduate students to manage the facility and help with lab exercises. This project will allow students to take their classroom knowledge and apply it to real industry production scenarios and to develop the skills to move into swine industry positions upon graduation.



College of Agricultural, Consumer  
and Environmental Sciences