ANIMAL SCIENCE INFORMATION

• More than 6,000 alumni
• More than 500 undergraduate students
• Over 100 graduate students
• 34 Faculty

Leading the way in research, teaching, and outreach focused on agricultural, biomedical, and companion animals.
Animal Sciences

- We are top ranked among U.S. graduate programs.

- We have state-of-the-art research facilities and equipment

- We have award-winning faculty and staff (AA data)

- We have a rich history of research and alumni achievements
Genetics, Genomics, & Bioinformatics

Immunophysiology & Behavior

Meat Science & Muscle Biology

Microbiology

Nutrition

Production and Environment Management

Reproductive Biology
Animal Sciences Research Overview

- Research with 161 different companies and agencies over the past 5 years.

- $35 million in grants, gifts, and contracts

- $7.1 million annual farm budget (9 units)

- 200 student employees
College of ACES Campus
Dixon Springs Agricultural Center

A 900 head cow / calf operation is located at Simpson, Illinois; about 1,200 acres are available for pasture and production of hay.
Orr Agricultural Center

200 cows and 1,500 acres
The Beef Unit

150 cows, 960 hd feeders, 120 pens, Metabolism Unit
The Dairy Unit

200 cows in lactation
The Swine Research Center SRC

200 sows
ISRL/PRL

120 sows
The Meat Science Lab
The Poultry Unit
Equine Unit
Measurable Impacts

- Food security; food production; food costs
- Discoveries and Commercialization
- Students
  - Scientists: academia and industry
  - Consultants and educators
  - Food producers
Animal Sciences Missions (TRE)

- Food production and food security
- Energy and the environment
- Health and wellness
“The hungry eyes of toiling millions are turned, with mingled hope and fear, upon us, to see what new and better solution we can possibly offer of the great problems on which their well-being and destiny depend.”

John Milton Gregory, Regent

March 11, 1868, on the Inauguration of the University of Illinois
Rules for a Successful Graduate Program

Steve Loerch | Animal Sciences
University of Illinois at Urbana-Champaign
General Philosophy

All parties should keep their eye on the prize.

This is a joint effort.

Advisers and students must be committed to success.

This takes a lot of time and effort.
Student Responsibilities

• Get experiences and documented accomplishments necessary to graduate and be employable.
• Research planning (background, justification, objectives, hypothesis, and writing research work plans)
• Research experience
• Teaching, grant writing, presentations at meetings, mentoring other students, and writing manuscripts.
Advisor Responsibilities

- Get research done
- Graduate students in a timely manner
- Publish student research
- Present abstracts at meetings
- Provide teaching experiences
- Networking
Summary

- Work hard
- Play hard
- Make it fun
- Share experiences
- Make friends
- Be dedicated to success
- What will limit your ability to distinguish yourself?