

GETTING TO KNOW ANIMAL SCIENCES AT ILLINOIS...

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

→ Some 40 faculty each year publish more than 200 peer-reviewed journal articles, book chapters, books, and invited papers and are awarded more than \$6.5 million in research funds.

→ State-of-the-art research facilities and collaboration with world-renowned scientists provide students unparalleled opportunities to apply their knowledge and contribute to society.

→ Award-winning faculty and staff study and solve problems of importance to society. They care about seeing students succeed and developing the next generation of animal scientists. The high-quality education they deliver prepares students for a rewarding future.

→ Our academic family includes more than 6,000 alumni and 600 enrolled undergraduate and graduate students. Our legacy exemplifies our dedication to enhancing the quality of life for our students and stakeholders through excellence in teaching, research, and outreach.



DISCOVER WHAT ANIMAL SCIENCES HAS TO OFFER...



Schedule your visit today!

 ansci.illinois.edu

For more information:

Department of Animal Sciences
University of Illinois ▪ College of ACES

 1207 West Gregory Drive ▪ Urbana, IL 61801
ansci-gradprog@illinois.edu

 217-333-3131



COLLEGE OF
ACES

DEPARTMENT OF ANIMAL SCIENCES Graduate Programs



*Leading the way in research, teaching, and outreach
focused on agricultural, biomedical, and companion animals*



COLLEGE OF
ACES



University of Illinois graduate programs in animal sciences provide students multidisciplinary training in foundational and applied animal sciences. Our programs center on coursework and hands-on research on livestock, biomedical, and companion animals:



→ **Genetics, Genomics, and Bioinformatics**



→ **Immunophysiology and Behavior**

→ **Meat Science and Muscle Biology**

→ **Microbiology**

→ **Nutrition**



→ **Production and Environment Management**

→ **Reproductive Biology**

Preeminent faculty mentor our students, customizing curriculum to develop the knowledge and skills appropriate to each student's career and professional objectives. Graduates are equipped for positions in foundational and applied animal sciences at universities and colleges, with government agencies, and in agricultural and biotechnology industries.

OUR COMMITMENT

Graduate research and teaching assistantships, fellowships, and research and travel funds are available to graduate students in the Department of Animal Sciences. Students from underrepresented groups are encouraged to apply.

OUR DEGREE OPTIONS

Master of Science in Animal Sciences

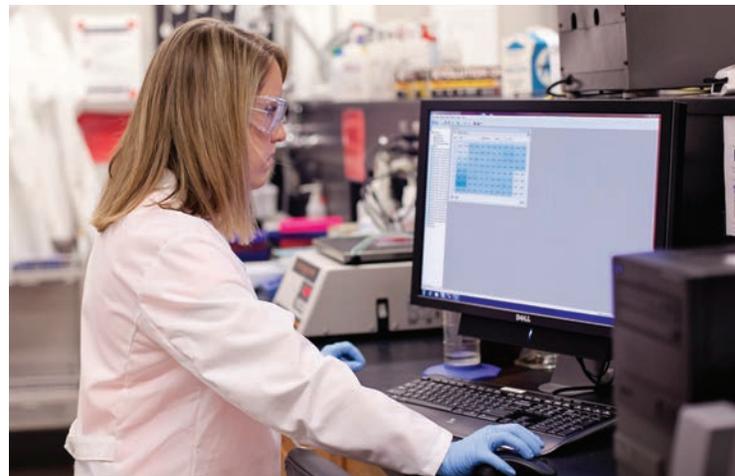
Students pursuing an M.S. in Animal Sciences complete a minimum of 32 hours of coursework and thesis research, including 22 hours of coursework, 2 hours of seminar, and 8 hours of thesis research. On average, students complete all course requirements, defend their theses, and graduate within two years.

Master of Bioinformatics, Animal Sciences Concentration

Students pursuing an M.S. in Bioinformatics with an Animal Sciences concentration complete a minimum of 36 hours of coursework and thesis research, including 26 hours of coursework, 2 hours of seminar, and 8 hours of thesis research. On average, students complete all course requirements, defend their theses, and graduate within two years.

Doctor of Philosophy in Animal Sciences

Students pursuing a Ph.D. in Animal Sciences are expected to complete at least 64 hours of courses beyond an M.S., including 20 hours of coursework, 4 hours of seminar, and 32 hours of thesis research. On average, students who already have an M.S. complete all course requirements, defend their theses, and graduate within three years.



OUR ACADEMIC SPECIALIZATIONS

Our nationally ranked graduate program benefits from state-of-the-art facilities, equipment, and human resources. We are world leaders in enhancing the supply of food for the growing global population, and we offer solutions to medical challenges in humans while providing scientific breakthroughs that guide the decision-making processes of pet owners. Our students pursue graduate degrees centered around these main disciplines:

Genetics, Genomics, and Bioinformatics

Understand the role of the genome, transcriptome, and proteome in production and health traits in livestock, biomedical, exotic, and companion animals by studying genes and gene products and integrating this information with bioinformatics and biostatistics.

Immunophysiology and Behavior

Understand how aging and environmental stimuli impinge upon the immune system to affect disease resistance and how cells interact with physiologic systems to affect growth, nutrition and metabolism, neural pathways that regulate behavior, and well-being.

Meat Science and Muscle Biology

Increase the efficiency of meat animals and improve the quality of meat products through studying the regulation of muscle growth in livestock and experimental animals along with pharmaceutical and nutritional interventions.

Microbiology

Build a strong foundation in basic and applied microbiology, biochemistry, molecular genetics, ecology, genomics, and physiology and metabolism of anaerobic microorganisms.

Nutrition

Learn how to improve the utilization of carbohydrates, lipids, and protein for production of meat, milk, and eggs. Much of the research in nutrition goes beyond livestock and companion animal species to answer fundamental questions related to human health.

Production and Environment Management

Apply cutting-edge approaches and gain insight into current animal production and environmental management. Focusing on economically important species, discover novel treatments based on scientific discoveries and new methodologies.

Reproductive Biology

Discover the fundamental processes in reproduction and find cutting-edge ways to improve reproductive efficiency or to control or prevent reproduction as desired.