

ANIMAL SCIENCES

Like Your Friends Four-Legged?

Animal Sciences involves studying and applying the basic principles of nutrition, reproduction and genetics to the production and management of animals including horses, dairy and beef cattle, sheep, swine, poultry and other domesticated species.

Within the Animal Sciences major, you will choose one of three options:

Animal Industry

for students interested in animal production and management for livestock, equine or dairy

Food Industry

provides an emphasis on food processing, chemistry, and safety

Pre-Professional

a rigorous study program for students with interests in veterinary sciences, human medicine and graduate research

CAREERS

The Animal Sciences major offers flexibility whether you are interested in working directly with livestock or in closely related areas such as agribusiness, research, government or education. Potential career paths may include:

Agricultural and Food Scientists

research ways to improve the efficiency and safety of agricultural establishments and products.

2019 Median Pay: \$65,160

Ten-Year Job Outlook: 7% (faster than average)

Agricultural Managers

operate establishments that produce crops, livestock, and dairy products.

2019 Median Pay: \$71,160

Veterinarians

care for the health of animals and work to protect public health.

2019 Median Pay: \$95,460

Ten-Year Job Outlook: 18%
(much faster than average)

Sales Managers

direct organizations' sales teams

2019 Median Pay: \$126,640

Source: U.S. Bureau of Labor Statistics,
Occupational Outlook Handbook
www.bls.gov/ooh/

1 MILLION

head of cattle makes Kentucky
the largest beef producing
state east of the Mississippi¹



Program Contact

Ann Leed
ann.leed@uky.edu
(859) 257-2465
905 W. P. Garrigus

For more program info, take a photo of this code with your smartphone. No special app required.

DID YOU KNOW?

Our college is home to the University of Kentucky Veterinary Diagnostic Lab, one of the busiest diagnostic laboratories in North America with over 50,000 case submissions each year. There, our faculty and students research a variety of issues in animal-related infectious diseases, toxicology, musculoskeletal injuries, therapeutics and more.



¹ Kentucky Cattlemens Association, 2012 Kentucky Ag Statistics.

CREATING OPPORTUNITIES

The Animal Sciences program gives students opportunities to do real research in the field and apply their teachings.

UK offers state-of-the-art facilities including the 1500-acre C. Oran Little Research Center, Maine Chance Farm and Coldstream Farm where students can get hands-on experience in their area of concentration.

Animal Sciences courses are relatively small, perfect for providing students individualized instruction by faculty who incorporate the results of their latest research into their coursework.



ORGANIZATIONS AND CLUBS

Students can join organizations and clubs to learn outside the classroom and gain valuable work and leadership experience including:

Block and Bridle

whether new or experienced, learn about the livestock industry while showing university livestock

Dairy Club

experience the dairy industry alongside cows and professionals, network while travelling to national dairy events

Pre-Vet Club

utilized as a connection point for students to plan and prepare for veterinary school as a collective group

HIGHLIGHTED COURSES

ASC 102: Intro to Livestock and Poultry Production

This course introduces students to the basics of livestock and poultry production with emphasis on topics such as anatomy, physiology, nutrition, reproduction, breeding, genetics and more.

ASC 209: Veterinary Medical Terminology

This course teaches students veterinary terminology including medical word roots, prefixes, suffixes and animal specific terminology involving food animals, horses and pets. Students learn to apply these fundamentals in case studies and practical situations.

ASC 399: Experiential Learning in Animal Sciences

This course gives students the opportunity to participate in a field-based learning experience in animal sciences under the supervision of a faculty member.

Photo 1: "Precision Patty" displaying the latest precision dairy sensors and equipment

Photo 2: Agriculture research specialist and manager for the sheep unit at C. Oran Little Research Center getting a visit from our wildcat

Photo 3: The UK College of Agriculture, Food & Environment dairy unit on the Coldstream Research Farm

Photo 4: Block and Bridle members learning outside the classroom at the Kentucky Beef Expo

Photo 5: Sheep grazing with their lambs outside the C. Oran Little sheep unit

Photo 6: The Adams Lab Group, Department of Vet Science, at the horse facilities of the C. Oran Little Research Center