

Animal Science

Graduate Degrees Offered:

M.S.; Ph.D.

Areas of Study:

Animal Breeding & Genetics; Animal Physiology; Meat Science & Muscle Biology; Non-Ruminant Nutrition; Production & Management; Ruminant Nutrition

application info

Application Deadline

Rolling Admissions

Requirements

Entrance Exams: GRE preferred

TOEFL Scores: 525—Paper 195—Computer 70—Internet

Additional Requirements

Statement of Goals and Objectives;

Three Letters of Recommendation



Meat Science

Animal Science Professor Chris Calkins conducts a class in the Meat Testing Lab with Masters and Doctoral students. "Nebraska is a beef state and UNL is a land-grant university," Calkins said in describing UNL. "My job entails teaching and research—both of which are important to me."

Description of Program

The Department of Animal Science offers graduate study emphasizing animal breeding and genetics, meat and poultry products, non-ruminant and ruminant nutrition, and physiology. Superb analytical laboratories and animal facilities are available for graduate research. A contemporary facility enhances basic and applied research capabilities for intensive large animal, poultry, and laboratory animal work. An extensive, federally inspected meat laboratory is available for meat and poultry research. In addition, the department maintains facilities 40 minutes away from Lincoln for research in all disciplines of beef and dairy cattle, sheep, and swine. Graduate programs conduct collaborative research at four university district research and extension centers and the USDA Meat Animal Research Center at Clay Center, Nebraska.

Specializations Offered: *Meat Science & Muscle Biology; Physiology*

contact

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Department Address: C203 Animal Science
Lincoln, NE 68583-0908

Department Website: <http://www.animalscience.unl.edu/document.cgi?docID=30>

Animal Science

Faculty & Research

Don Adams Range Beef Systems; Beef Cow Management	Rodger Johnson Breeding; Reproductive Efficiency; Disease Resistance	Rosie Nold Meat Science & Livestock Production
Kathy Anderson Equitations; Horse Management	Steven Jones RNA Translation; Meat Quality	Rick Rasby Cattle Reproduction & Management Systems
Mary Beck Avian Physiology, Neurobiology, & Behavior	Jeff Keown Dairy Cattle Breeding & Management	Duane Reese Swine Nutrition & Management
Don Beermann Muscle Growth; Nutrient Partitioning & Animal Growth	Terry Klopfenstein Ruminant Nutrition	Bryan Reiling Livestock Production, Management, & Evaluation
Dennis Brink Mineral Requirements; Ruminants	Rick Koelsch Nutrient Management; Odor Control	Ivan Rush Beef Nutrition & Management
Tom Burkey Nonruminant Nutrition; Gastrointestinal Physiology	Paul Kononoff Forage Quality; Ruminant Fermentation	Sheila Scheideler Monogastric & Poultry Nutrition
Dennis Burson Food Safety; Meat Quality	Larry Larson Cattle Reproduction; Postpartum Diseases	Rick Stock Research & Development
Chris Calkins Meat Quality/Palatability; Beef Muscle Traits; Consumers & Value	Terry Mader Implant Systems; Environmental Stress	Rick Stowell Animal Housing; Heat Stress; Odor Control
Andrea Cupp Reproduction/Gonadal Development & Function	Roger Mandigo Meat Processing & Manufacturing	Dale Van Vleck Quantitative Genetics of Meat Animals
Galen Erickson Feedlot Nutrition; Environment-Nutrition Interactions	Phil Miller Swine Nutrition; Amino Acid & Energy Metabolism	Brett White Embryology; Endocrinology
Rick Funston Beef Cattle Physiology; Heifer Development	Jess Miner Ruminal Methanogenesis; Adipose Tissue Biology	Jen Wood Female Reproduction; Ovarian Physiology; Steroidogenesis
Kathy Hanford Quantitative Genetics; Animal Breeding	Merlyn Nielsen Genetic Variation in Energy Utilization	

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