Advanced study in animal science offers preparation for a future in teaching, research, extension, livestock and dairy production, and in industries involving food technology, livestock products and livestock management. Majors offered are:

- Animal breeding: MS and PhD
- Animal science: MS, MAgr and PhD
- Equine industry management: MEIM
- Food science and technology: MS, MAgr and PhD
- Genetics: MS and PhD
- Nutrition: MS and PhD
- Physiology of reproduction: MS and PhD

The animal science subject matter fields are strongly supported by coursework in agricultural economics, biochemistry, biophysics, biology, genetics, statistics, and in veterinary anatomy, microbiology, parasitology, pathology, physiology, pharmacology and public health.

Laboratories available for graduate research include cytogenetics, genomics, food technology, meat science, nutrition, molecular biology and reproductive physiology. The Robert Justus Kleberg, Jr. Animal and Food Science Center provides 39 laboratories for research and graduate training. Special equipment available in these laboratories or in readily accessible facilities, such as at the Computing Services Center, offer a wide array of opportunities for study and research.

Dairy, beef, horse and swine herds and sheep and goat flocks at the main station or at research centers afford opportunities to study various problems in physiology, breeding, management, nutrition and production. The Rosenthal Meat Science and Technology Center, equipped to fabricate and process all meat foods on a semicommercial scale, is available for research problems. Texas A&M AgriLife Research projects in all subject matter fields offer opportunities for graduate students to participate in current research activities.

Support areas such as biochemistry and biophysics, economics, genetics and statistics may be readily arranged. Food science and technology and nutrition courses are jointly listed.

There is no specific foreign language requirement for the Doctor of Philosophy degree. A student’s advisory committee may require a foreign language or additional coursework in an unrelated area in lieu of a foreign language.

**Faculty**

Bazer, Fuller W, University Distinguished Professor  
Animal Science  
PhD, North Carolina State University, 1969

Carstens, Gordon E, Professor  
Animal Science  
PhD, Colorado State University, 1998

Castillo, Alejandro, Associate Professor  
Animal Science  
PhD, Texas A&M University, 1998

Cooke, Reinaldo F, Associate Professor  
Animal Science  
PhD, University of Florida, 2008

Cross, H Russell, Professor  
Animal Science  
PhD, Texas A&M University, 1972

Daigle, Courtney L, Assistant Professor  
Animal Science  
PhD, Michigan State University, East Lansing, MI, 2013

De Carvalho Cardoso, Rodolfo, Assistant Professor  
Animal Science  
PhD, Texas A&M University, 2014  
DVM, Sao Paulo State University, 2005

Dunlap, Kathrin A, Assistant Professor  
Animal Science  
PhD, Texas A&M University, 2006

Forrest, David W, Professor  
Animal Science  
PhD, University of Wyoming, 1979

Garcia, Leslie L, Instructional Assistant Professor  
Animal Science  
PhD, Texas A&M University, 2015

Gehring, Kerri B, Professor  
Animal Science  
PhD, Texas A&M University, 1994

Gill, Clare A, Professor  
Animal Science  
PhD, University of Adelaide, Australia, 2000

Gill, Jason J, Assistant Professor  
Animal Science  
PhD, University of Guelph, 2006

Heird, James C, Executive Professor  
Animal Science  
PhD, Texas Tech University, 1978

Herring, Andy D, Professor  
Animal Science  
PhD, Texas A&M University, 1994

Ing, Nancy H, Professor  
Animal Science  
PhD, University of Florida, 1988

Kerth, Christopher R, Associate Professor  
Animal Science  
PhD, Texas Tech University, 1999
Lamb, Graham C, Professor
Animal Science
PHD, Kansas State University, 1998

Leatherwood, Jessica L, Assistant Professor
Animal Science
PHD, Texas A&M University, 2013

Mies, William L, Visiting Professor
Animal Science
PHD, University of Missouri, 1971

Miller, Rhonda K, Professor
Animal Science
PHD, Colorado State University, 1983

Osburn, Wesley N, Associate Professor
Animal Science
PHD, University of Nebraska–Lincoln, 1996

Paudyal, Sushil, Instructional Assistant Professor
Animal Science
PHD, Colorado State University, 2018

Pohler, Ky Garrett, Assistant Professor
Animal Science
PHD, University of Missouri, 2015

Ramsey, W S, Professor
Animal Science
PHD, New Mexico State University, 1996

Riggs, Penny K, Associate Professor
Animal Science
PHD, Texas A&M University, 1996

Riley, David G, Professor
Animal Science
PHD, Texas A&M University, 2000

Sanders, James O, Professor
Animal Science
PHD, Texas A&M University, 1977

Satterfield, Michael C, Associate Professor
Animal Science
PHD, Texas A&M University, 2008

Savell, Jeffrey W, Distinguished Professor
Animal Science
PHD, Texas A&M University, 1978

Sawyer, Jason E, Associate Professor
Animal Science
PHD, New Mexico State University, 2000

Skaggs, Chris L, Professor
Animal Science
PHD, Iowa State University, 1992

Smith, Gary C, Visiting Professor
Animal Science
PHD, Texas A&M University, 1968

Smith, Stephen B, Professor
Animal Science
PHD, University of California, Davis, 1980

Taylor, Thomas M, Associate Professor
Animal Science
PHD, University of Tennessee, Knoxville, 2006

Tedeschi, Luis O, Professor
Animal Science
PHD, Cornell University, 2001

Tomaszewski, Michael A, Visiting Professor
Animal Science
PHD, North Carolina State University, 1972

Welsh Jr, Thomas H, Professor
Animal Science
PHD, North Carolina State University, 1980

White, Sarah H, Assistant Professor
Animal Science
PHD, University of Florida, 2014

Wickersham, Tryon A, Associate Professor
Animal Science
PHD, Kansas State University, 2006

Wu, Guoyao, Professor
Animal Science
PHD, University of Alberta, Canada, 1989

Masters

- Master of Agriculture in Animal Science (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/magr)
- Master of Equine Industry Management in Equine Industry Management (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/equine-industry-reproduction-ms)
- Master of Science in Animal Breeding (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/animal-breeding-ms)
- Master of Science in Animal Science (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/ms)
- Master of Science in Physiology of Reproduction (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/physiology-reproduction-ms)

Doctoral

- Doctor of Philosophy in Animal Breeding (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/animal-breeding-phd)
- Doctor of Philosophy in Animal Science (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/phd)
- Doctor of Philosophy in Physiology of Reproduction (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/physiology-reproduction-phd)
Certificates

- Meat Science Certificate (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/meat-science-certificate)