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
- **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, 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, 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
  DVM, Sao Paulo State University, 2005
  PHD, Texas A&M University, 2014

- **Dunlap, Kathrin A, Instructional Associate Professor**
  Animal Science
  PHD, Texas A&M University, 2006

- **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, Associate 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
  DVM, University of Florida, 1984
  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, Associate Professor**
  Animal Science
  PHD, Texas A&M University, 2013

- **Miller, Rhonda K, Professor**
  Animal Science
  PHD, Colorado State University, 1983
Osburn, Wesley N, Associate Professor  
Animal Science  
PHD, University of Nebraska at Lincoln, 1996

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

Pohler, Ky Garrett, Associate 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, University Distinguished Professor and Regents Professor  
Animal Science  
PHD, Texas A&M University, 1978

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

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

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

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

Tomaszewski, Michael, 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

Wiegert, Jeffrey, Instructional Assistant Professor  
Animal Science  
PHD, North Carolina State University, 2019

Wu, Guoyao, Distinguished 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
- Food Safety Certificate (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/food-safety-certificate/)
- Meat Science Certificate (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/animal-science/meat-science-certificate/)