

Animal Sciences and Agricultural Education

Animal Sciences and Agricultural Education

Prepare for the future in agricultural sciences, technology, and management with a degree in animal sciences or agricultural education. The Department of Animal Sciences and Agricultural Education offers options in agricultural communications, teacher preparation, science, and production management. The science option has career specialization in the areas of preprofessional (basic) animal science and preveterinary medicine. The production management option offers career specialization in the areas of dairy science, equine science, meat technology and livestock business management. Courses integrate animal evaluation, behavior, disease, environmental management, genetics, health, marketing, muscle biology, nutrition, physiology, production, and reproduction.

The agricultural education major is designed to equip students for careers as agricultural communication specialists or secondary agriculture teachers. Specializations may be developed in agricultural business, animal sciences, plant sciences, or mechanized agriculture.

Instructional Facilities

Instruction in the animal science disciplines is enhanced through practical application at the various farm laboratory units on-campus. The Beef, Dairy, Horse, Meats, Poultry, Sheep, and Swine units are maintained by our faculty and students to support this educational purpose and provide a unique, hands-on learning experience for our students. In addition, veterinary and physiology laboratories are utilized to complement on-campus education. A 4,300-acre livestock and range management facility and another 800 acres of rangeland in the Sierra foothills are available.

Career Opportunities

Students earning a degree in animal sciences are equipped to pursue a variety of careers in the livestock industry including consultation, management, production, research, teaching, business, government and foreign service, and other professional services. Students studying agricultural education find numerous challenging careers options in the agricultural and educational fields.

The courses offered in the programs listed below provide the necessary background to prepare students for careers in the agricultural industry.

Agricultural Communications. Combines courses in agriculture with a journalism core and a specialty in advertising, broadcast journalism, print journalism, public relations, or digital and electronic media designed to train students for employment opportunities in the field of communication.

Preprofessional Animal Science. Provides a science oriented curriculum in the disciplines of animal science. This option prepares students for postbaccalaureate study or careers related to science, research, and the technical aspects of animal science.

Dairy Science. Prepares students for careers in commercial dairy herd management, genetics, nutrition, physiology, animal reproduction, animal health, milk handling, and other careers within or related to the dairy industry.

Equine Science. Educates students for careers in the equine industry by combining coursework in horse production, advanced horse management, and stable management with hands-on experience and internships at our on-campus Quarter Horse Unit and with local horse farms.

Meat Technology. Offers students opportunities for employment in the meat or food industry by teaching courses in the areas of meat science, muscle biology, food science and nutrition, HACCP, regulatory compliance, and marketing.

Preveterinary Medicine. Presents a structured program of courses in animal science and related biological/physical sciences which prepares students for admission to schools of veterinary medicine and for employment in the animal health industry.

Livestock Business Management. Provides a curriculum designed to support a strong core of animal science with specialized training in agricultural business. Students who select this option may wish to consider a Minor in Agricultural Business.

Teacher Preparation. Affords students the opportunity to gain the skills needed in all areas of agriculture for positions as secondary agriculture teachers. (See *Agricultural Education Major*.)

Jordan College of Agricultural Sciences and Technology

Department of Animal Sciences and Agricultural Education

Arthur A. Parham, *Chair*

Deborah Russell, *Administrative Support Coordinator*

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B.S. in Animal Sciences

Options:

- Production Management
- Science

B.S. in Agricultural Education

Options:

- Agricultural Communications
- Teacher Preparation

M.S. in Animal Science

Minor in Animal Sciences

Agricultural Specialist Credential

Faculty

Arthur A. Parham, *Chair and Interim Graduate Coordinator*

Rosco C. Vaughn, *Agricultural Education Credentialing Coordinator*

John F. Cordeiro

John A. Henson

Randy C. Perry

Jon D. Robison

Steven J. Rocca

Michael W. Thomas

Scott A. Williamson

The faculty represent diverse specializations in the disciplines of animal science and teacher training. With doctoral degrees from many of the nation's most prestigious agricultural universities, the faculty have combined philosophies of undergraduate education, research, curriculum development, industry relations, and career placement into a unique program. Their experience allows for the combination of the practical and theoretical aspects of the animal sciences to provide an education