

# Animal Sciences and Agricultural Education

College of Agricultural Sciences  
and Technology

## Department of Animal Sciences and Agricultural Education

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<http://cast.csufresno.edu/ansci/>

### B.S. in Animal Sciences

Options:

- Science
- Production Management

### B.S. in Agricultural Education

Options:

- Agricultural Communications
- Teacher Preparation

### M.A. in Special Major

Animal Science

### Minor in Animal Sciences

### Agricultural Specialist Credential

## 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 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 prepare students for positions as agricultural communication specialists and vocational agriculture teachers. Specializations

may be developed in 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. The Beef, Dairy, Horse, Meats, Poultry, Sheep, and Swine units are maintained to support this educational purpose. 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 specializing in animal science prepare for careers in the livestock industry where they may be engaged in consultation, management, production, research, teaching, or other professional services as well as careers in business, government and foreign service. Students specializing in agricultural education may pursue a variety of challenging careers in the educational field.

The courses offered in the programs listed in the copy that follows 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, news-editorial, photo communications, public relations, or radio-television designed to train students for employment opportunities in the field of communication.

**Basic Animal Science.** Provides a science oriented curriculum in the disciplines of animal science. Prepares students for postbaccalaureate study or careers related to science, research, and the technical aspects of animal science.

**Dairy Science.** Prepares students for commercial and registered dairy herd management, breed association representatives, artificial breeding services, dairy sanitation, milk quality control, and other dairy-related occupations.

**Equine Science.** Prepares students for careers in the equine industry by combining coursework in horse production, advanced horse management, equine nutrition and other related subjects with hands-on experience and internships at our on-campus Quarter Horse Unit and at local horse

farms. Courses in equitation and horsemanship at our Student Horse Center complement the major and provide vocational opportunities to students as well.

**Meat Technology.** Prepares students for employment in the meat industry by offering courses in the areas of meat science, muscle biology, food science and nutrition, food chemistry, and marketing.

**Preveterinary Medicine.** Provides 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.** Prepares students for positions as vocational agriculture teachers. (See *Agricultural Education Major*.)

### Faculty

Arthur A. Parham, *Chair*

Anne V. Rodiek, *Graduate Coordinator*

Richard A. Rogers, *Agricultural  
Education Credentialing Coordinator*

Randy C. Perry

Jon D. Robison

Michael W. Thomas

Scott A. Williamson

The faculty members represent diverse specializations in the disciplines of animal science and teacher training. With doctoral degrees from many of the nation's outstanding agricultural universities, the faculty have combined philosophies of undergraduate education, research, curriculum development, industry relations, and career placement into a unique program. Their experience combines the practical and theoretical aspects of the animal sciences to provide an education second to none. Students are assigned an adviser who assists in both academic and career planning on an individual basis. The faculty place a high priority on strong adviser-advisee relationships.