



# Animal Science

College of Agricultural and Environmental Sciences

## Preparation for the Animal Science Major

### High School Preparation

Recommended as part of, or in addition to, the UC admission requirements:

Biology  
Chemistry  
English composition  
Mathematics through trigonometry

### Transfer Preparation

#### Recommended:

English (8 units)  
\*General chemistry (10 units)  
\*Organic chemistry (6 units)  
\*Biological sciences (15 units) including:

\*Principles of biology  
\*General zoology  
\*General bacteriology, survey of botany, or entomology  
\*Calculus (9-12 units)

(see the *UCD General Catalog* for course descriptions)

**\*PLEASE NOTE:** Entering transfer students who have completed general chemistry, organic chemistry, biological science, zoology, botany, and calculus can expect to graduate in two years from UC Davis.

Transfer students who have not completed organic chemistry can expect to take up to three years to complete their Animal Science degree at UC Davis.

Transfer students who have not completed general chemistry can expect to take up to four years to complete their Animal Science degree at UC Davis.

If you have questions, please contact the Animal Science Advising Center at the number listed below.

### Questions?

#### Animal Science

1202 Meyer Hall, One Shields Ave.  
(530) 754-7915  
<http://asac.ucdavis.edu>  
[asac@ucdavis.edu](mailto:asac@ucdavis.edu)

#### Undergraduate Admissions and Outreach Services

University of California  
178 Mrak Hall, One Shields Ave.  
Davis, California 95616-8507  
(530) 752-2971  
<http://why.ucdavis.edu>  
[ugaos@ucdavis.edu](mailto:ugaos@ucdavis.edu)

## ANIMAL SCIENCE UC DAVIS STYLE

The Animal Science major offers a variety of opportunities to students who enjoy animals and wish to study their biology and care. A practical, as well as, a scientific understanding of domestic animals is obtained by completing a specialization: animal behavior, biochemistry, genetics, nutrition, physiology, aquatic animals, avian sciences, companion & captive animals, laboratory animals, equine science, livestock & dairy, or poultry.

The Bachelor of Science program in Animal Science attracts students with a broad array of interests in animals including nutritional needs, physiological functions, genetic control of function, molecular biology and biotechnology. Knowledge is gained both in lecture classes and hands-on laboratories. The courses expose students to an integrated study of animal behavior, reproduction, growth, lactation, molecular biology, animal breeding, livestock judging, and many other aspects of animal biology. A wide array of formal and informal internship and research opportunities are available at the department's extensive animal facilities.

## THE FACULTY

Few universities offer as diverse and distinguished a faculty as that found in our college and the Department of Animal Science. Animal Science majors benefit from a vast range of courses offered and from individualized internships and research projects. Students will find discussions of up-to-date science, innovative teaching, and original research on national and international topics. This makes the major exciting and unique.

## CAREER POSSIBILITIES

The major provides students with a unique training in the biology of animals able to propel them into a wide variety of careers. Students are prepared for advanced graduate degrees in any discipline of animal biology, for admission to professional schools such as veterinary medicine, medicine, dentistry, or business. Graduates also enter into careers in the animal health industry, the pet animal industry, the equine industry, the livestock industry, the feed and nutrition industry, governmental or industrial animal research. In addition, graduates become laboratory technicians, journalists and high school and college teachers, to mention a few possibilities.