

Agricultural and Environmental Education • Agricultural Management and Rangeland Resources
Animal Biology • Animal Science • Animal Science and Management • Avian Sciences • Biotechnology
Crop Science and Management • Entomology • Viticulture and Enology • Undeclared/Exploratory

Agricultural science is the study of the crops and herds we raise, the food we eat and the plants and animals we keep for cultural and social reasons. Majors in the agricultural sciences study a range of topics from ants to wine, and from biotechnology to organic farming.

AGRICULTURAL SCIENCES MAJORS

Agricultural and Environmental Education

Majors in agricultural and environmental education are prepared for a broad range of careers in the agricultural and environmental sciences where social, interpersonal, communication and teaching skills are needed. Students learn basic and advanced concepts while focusing on real-world activities and hands-on training. Coursework includes courses in animal science, plant and soil science, environmental horticulture, agricultural and environmental engineering, economics and the environmental sciences. Graduates have found employment in public schools, non-profit organizations, financial institutions, state and federal agencies, nature preserves, community organizations and in sustainable development.

Questions? Contact an adviser at 1202C Meyer Hall, (530) 752-7915, asac@ucdavis.edu, asac.ucdavis.edu.

Agricultural Management and Rangeland Resources

Modern agricultural techniques are essential for the production of food, fibers and other natural products needed in a growing global economy. Yet these advanced techniques must be applied in a thoughtful way to balance economic necessity with environmental preservation. The study of agricultural management and rangeland resources prepares you to help plan for the future by designing sustainable systems to meet the world's agricultural needs. You will develop a strong understanding of the relationships between plant and animal systems, and an awareness of the social, environmental and economic components that impact agricultural systems. Choose

either to concentrate your studies on agricultural production or natural resources management to develop an individualized program relevant to your personal goals.

Questions? Contact an adviser at 1220A Plant and Environmental Sciences Bldg., (530) 752-1715, www.plantsciences.ucdavis.edu.

Animal Biology

Animal biology, the study of biological principles as they apply specifically to animals, bridges the gap between general biological sciences and applied animal husbandry techniques. Whether as valuable economic resources, beloved companions, destructive nuisances or members of complex natural systems, animals play important roles in human economy, society and culture. As an animal biology major, you'll have the chance to put your theoretical knowledge into practice by working with wild and domesticated animals in hands-on situations.

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Animal Science

Animal science is the study of the biological function of domestic and captive animals and their utilization by people. Since the emergence of modern humanity, the relationships between people and animals have been an integral part of our society, economy and culture. Animals provide us with food, clothing, recreation and companionship. Animal science focuses on modern, efficient and humane ways to make the best use of and take the best care of the animals

who share our lives. As an animal science major, you'll work with animals regularly as you prepare for a career or further study in such fields as veterinary medicine, agricultural production, business, research or teaching.

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Animal Science and Management

Animal science and management majors have the benefit of being educated in not only the fields of animal science, but also in marketing, economics and accounting. You'll be part of one of the largest and most distinguished animal science departments in the world, gaining a strong background in the skills it takes to succeed in today's business world as well as in careers in all aspects of working with animals.

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Avian Sciences

Birds play an increasingly important part in human economy and society. Domesticated birds provide food, feathers and companionship; wild birds are significant players in nearly every terrestrial ecosystem. Avian science majors consider birds as both economically and environmentally important organisms. Bird biology, behavior, productivity and management are all subjects avian science majors study in detail. Graduates of UC Davis' avian science program may work with food birds such as chickens; with birds kept as

companions or in aviaries; with game bird populations or with wild birds in any part of the world.

Questions? Contact an adviser at 1202C Meyer Hall, (530) 752-7915, asac@ucdavis.edu, asac.ucdavis.edu.

Biotechnology

Every living organism, from bacteria to redwoods to humans, contains DNA as its primary genetic material. DNA directs all cellular processes, creating the great diversity of life that fills the biosphere. The integrated, multidisciplinary field of biotechnology represents new advances in understanding and controlling these life processes through the development of exciting new technologies. Biotechnology's current and potential applications include enhancing nutritional quality of food crops; strengthening resistance to disease in economically important plants and animals; and increasing crop and livestock productivity.

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Crop Science and Management

Modern agriculture is a far cry from the small, sleepy farms of yesteryear. Even family farmers must adapt to rapidly evolving technology and the escalating demands of the global marketplace. A major in crop science and management will train you to help meet the new challenges facing family and corporate farms. With training in economics and the biological and natural sciences, you'll learn to think creatively about solving problems in agricultural planning, production and post-harvest quality.

Questions? Contact an adviser at 1220A Plant and Environmental Sciences Bldg., (530) 752-1715, www.plantsciences.ucdavis.edu.

Entomology

Insects are the most diverse group of animals on earth, filling niches in ecosystems from the tropics to the Arctic. Their variety and sheer numbers make them significant influences of the economy and society, whether they are helpful or harmful. Entomologists study insects in the context of their biological systems and their importance to humanity. They research effective, environmentally sound methods of controlling pests; they study ways to increase the productivity of useful insects such as honeybees; and they monitor insect populations throughout the world.

Questions? Contact an adviser at 394A Briggs Hall, (530) 754-8341, entomology.ucdavis.edu.

Viticulture and Enology

Since ancient times, the enjoyment of wine and grape products has been a treasured part of civilized society. The Roman Empire considered wine as much of a necessity as bread and olive oil, and no supper in modern France or Italy is complete without a glass of wine. As a viticulture and enology major at UC Davis, you'll benefit not only from our outstanding faculty and laboratory resources, but also from our location. The Napa and Sonoma Valley regions, the center of California's thriving, innovative wine industry, are easily accessible from campus. You can participate in research or internships with some of the area's many wineries. The Robert Mondavi Institute for Wine and Food Science, scheduled to open on the UC Davis campus in 2008, will be an unrivaled resource for international scholars of grape cultivation and wine making.

Questions? Contact an adviser at 2114 Wickson Hall, (530) 752-8035 or (530) 752-0380, wineserver.ucdavis.edu.

Undeclared/Exploratory

This pre-major advising program is designed to help students discover the many academic opportunities and programs available within the College of Agricultural and Environmental Sciences, while helping define and focus academic interests. Through this program, many students find their interests evolving as they familiarize themselves with their options. Advisers assist in this journey and help assure academic progress toward degree completion.

Questions? Contact an adviser at 150 Mrak Hall, (530) 752-0108, caes.ucdavis.edu.

Want to hear from students and faculty in these majors? Visit admissions.ucdavis.edu/majors for that and more.