

COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

Agricultural and Environmental Education • Animal Biology • Animal Science • Animal Science and Management
Atmospheric Science • Avian Sciences • Biotechnology • Clinical Nutrition • Community and Regional Development
Ecological Management & Restoration • Entomology • Environmental Science and Management
Environmental Horticulture and Urban Forestry • Environmental Policy Analysis and Planning • Environmental Toxicology
Fiber and Polymer Science • Food Science • Human Development • Hydrology • International Agricultural Development
Landscape Architecture • Managerial Economics • Nutrition Science • Plant Sciences • Textiles and Clothing
Viticulture and Enology • Wildlife, Fish and Conservation Biology • Undeclared/Exploratory

AGRICULTURAL, ENVIRONMENTAL AND HUMAN 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 needing social, interpersonal, communication and teaching skills. Students learn advanced concepts while focusing on real-world activities and hands-on training. Careers may be within public schools, non-profit organizations, financial institutions, state and federal agencies, nature preserves, community organizations and in sustainable development.

Questions? Contact an adviser at 1202 Meyer Hall, (530) 754-7915, asac@ucdavis.edu, asac.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. You'll be able to put your theoretical knowledge into practice by working with wild and domesticated animals.

Questions? Contact an adviser at 152 Hutchison Hall, (530) 754-7277, abi-advising@ucdavis.edu, animalbiologymajor.ucdavis.edu.

Animal Science

Animals provide us with food, clothing, recreation and companionship. Animal science is the study of the animal biology and how animals are utilized by people, focusing on modern, efficient and humane ways to make the best use of and take the best care of the animals who share our lives. 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.

Questions? Contact an adviser at 1202 Meyer Hall, (530) 754-7915, asac@ucdavis.edu, asac.ucdavis.edu.

Animal Science and Management

Animal science and management majors have the benefit of being educated in animal science fields, as well as 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 needed for successful careers in business and working with animals.

Questions? Contact an adviser at 1202 Meyer Hall, (530) 754-7915, asac@ucdavis.edu, asac.ucdavis.edu.

Atmospheric Science

Atmospheric scientists may not be able to change the weather, but their research contributes to our understanding of weather patterns and phenomena, and helps communities prepare for and respond to severe weather events such as hurricanes, tornadoes and droughts. This field also addresses critical environmental issues such as air quality and climate change. You will work with recognized experts in the field as you develop an understanding of the roles our atmosphere plays in making Earth a habitable planet.

Questions? Contact an adviser at 1150 Plant and Environmental Sciences, (530) 752-1603, lawradvising@ucdavis.edu, lawr.ucdavis.edu.

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. The avian sciences consider birds as both economically and environmentally significant creatures. Biology, behavior, productivity and management are all studied in detail. Graduates may work with food birds, companion animals, game populations or with wild birds in any part of the world.

Questions? Contact an adviser at 1202 Meyer Hall, (530) 754-7915, asac@ucdavis.edu, asac.ucdavis.edu.

Biotechnology

The integrated, multidisciplinary field of biotechnology represents new advances in understanding and controlling life processes through the development of exciting new technologies. Biotechnology's applications include enhancing nutritional quality of food crops; strengthening resistance to disease in economically important plants and animals; and increasing crop and livestock productivity. Students will develop an area of specialization in bioinformatics, plant biotechnology, animal biotechnology or fermentation/microbial biotechnology.

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

Clinical Nutrition

In a climate where advice about healthy diets changes every day, clear, science-based recommendations help people sort through conflicting information to make wise food choices. You'll study the science of nutrition along with courses in education, sociology and communication. If you have an interest in becoming a registered dietitian and helping people eat a healthy diet, this program will prepare you to work in a wide range of settings, from hospitals to government programs.

Questions? Contact an adviser at 3211 Meyer Hall, (530) 752-2512, nutritionadvising@ucdavis.edu, nutrition.ucdavis.edu.

Community and Regional Development

Are you fascinated by the roles of culture and ethnicity in society? Do your interests include social change and community involvement? Graduates in this field help shape the quality of life for the people around them. Dealing with social concerns like hunger, homelessness, gender issues and abuse are just a few of the ways you can help change contemporary society.

Questions? Contact an adviser at 1303 Hart Hall, (530) 752-2244, hcd.ucdavis.edu.

Ecological Management and Restoration

This major is designed for students who are interested in understanding how to manage and restore wildland and rangeland plant communities. Courses provide an interdisciplinary background encompassing ecology, applied plant biology and the social sciences. You will develop a core understanding of managed ecosystems and how they function; interact with the natural environment; are connected with human society and social change; and are restored and managed.

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

Entomology

Insects are the Earth's most diverse group of creatures. Their variety and numbers make them significant influences on economies and societies. Entomologists study insects in the context of their biological systems and their importance to humanity. They research ways to conserve useful insects like honeybees, study insect-borne diseases, develop safe and effective pest control methods and learn about the fascinating adaptations of insects throughout the world. Entomologists find careers in agriculture, academia, medical and veterinary research, environmental consulting, pest control and government agencies.

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

Environmental Science and Management

Influence how air, water and land are used and protected, and learn to solve environmental problems from an interdisciplinary perspective, linking the natural and social sciences. By studying the physical, biological and social components of environmental problems, you will understand the scientific basis for

environmental decisions and the economic implications involved in environmental management.

Questions? This major is jointly advised by the Environmental Science and Policy department and the Land, Air and Water Resources department. Contact an adviser at 2134 Wickson Hall, (530) 752-7183, des.ucdavis.edu, or 1150 Plant & Environmental Sciences, (530) 752-1603, lawr.ucdavis.edu.

Environmental Horticulture and Urban Forestry

Plants improve our environment and the quality of our lives; they beautify our homes and public open spaces, absorb carbon dioxide, control erosion, reduce energy consumption and restore degraded landscapes. Students will learn about cultivated plants and plants in their natural habitats, through specializations in floriculture and nursery production, urban forestry, landscape and turf management, and plant biodiversity and restoration.

Questions? Contact an adviser at 1224 Plant and Environmental Sciences, (530) 752-7738, plantsciences.ucdavis.edu.

Environmental Policy Analysis and Planning

How can governments and private agencies foster a healthy balance between economic and community development and environmental preservation and restoration? You will learn to craft thoughtful policies to meet these conflicting goals. Students explore research methods, environmental law and economics. Issues of resource quality, pollution and energy use are all addressed.

Questions? Contact an adviser at 2134 Wickson Hall, (530) 752-7183, des.ucdavis.edu.

Environmental Toxicology

Environmental toxins include pesticides, food additives, industrial waste, plants, chemicals, metals, fungi and bacteria. You will study how many of these agents exist around us, our degree of exposure, our sensitivity and how we should regulate their use. Toxicologists address constantly changing concerns about the safety of our environment and natural resources.

Questions? Contact an adviser at 4111 Meyer Hall, (530) 752-1042, envtox.ucdavis.edu.

Fiber and Polymer Science

Nylon, Rayon, Spandex. All were the "miracle fibers" of their day, offering qualities never before seen in fabrics. Fiber and polymer scientists study the structural properties of materials that make up everything from clothing to aerospace equipment. Respected faculty and state-of-the-art design and testing facilities are just two aspects that make this the most highly regarded program in the western United States.

Questions? Contact an adviser in 129 Everson Hall (530) 752-4417, textiles.ucdavis.edu.

Food Science

The food we eat daily was probably processed, packed, stored and distributed using techniques developed by food scientists. These scientists find solutions for producing and distributing food safely and respond to market demands by creating products that meet consumers' needs for nutrition, taste and convenience. Food scientists answer the question: What's there to eat?

Questions? Contact an adviser at 1206 Robert Mondavi Institute South, (530) 752-1468, foodsci@ucdavis.edu, foodscience.ucdavis.edu.

Human Development

In human development, you'll study the biological and social factors that influence what we become, with a focus on children or adults.

You'll gain firsthand experience with the age group you study in places like the Center for Child and Family Studies, or internships in schools, hospitals and more.

Questions? Contact an adviser at 1303 Hart Hall, (530) 752-2244, hcd.ucdavis.edu.

Hydrology

Hydrologists address concerns related to the most fundamental and necessary of all natural resources: water. They study the occurrence, distribution, circulation and behavior of water in Earth's environment. Hydrologists measure and analyze water phenomena in the atmosphere, on and below the Earth's surface, seeking to solve issues affecting the sustainability of our water supply and quality.

Questions? Contact an adviser at 1150 Plant & Environmental Sciences, (530) 752-1603, lawradvising@ucdavis.edu, lawr.ucdavis.edu

International Agricultural Development

Are you interested in addressing the problem of world hunger? You'll learn about the economics, engineering and technology of agriculture. You'll also gain insight into the issues affecting regional cultures and economies, and how they affect agriculture. Finally, you'll apply this knowledge to improve food production and distribution.

Questions? Contact an adviser at 1331 Hart Hall, (530) 752-4368, hcd.ucdavis.edu.

Landscape Architecture

The complex relationship between humans and our environment requires us to choose how to modify or conserve land areas we use. Designated open spaces, parks and modern neighborhoods are all products of landscape architecture. UC Davis' landscape architecture program stresses the vital role of the landscape architect in striking a balance between urban expansion and environmental preservation. The program is fully accredited by the American Society of Landscape Architects.

Questions? Contact an adviser at 136 Hunt Hall, (530) 754-8628, lda.ucdavis.edu.

Managerial Economics

The managerial economics major at UC Davis goes beyond traditional economics and business majors, blending a thorough grounding in economic theory with practical business applications. You can choose from three specialties: managerial economics focuses on business firm management; environmental and resource economics studies natural resource use and the environmental impact of business; agricultural economics centers on the marketing and production of foods and fibers. This major provides ideal preparation for transition into the business world or professional programs.

Questions? Contact an adviser at 1176 Social Sciences and Humanities Building, (530) 754-9536, manecon@primal.ucdavis.edu, agecon.ucdavis.edu.

Nutrition Science

For much of human history, our primary concern with food was making sure we had enough to eat. Now we ask, "how do nutrients and chemicals in our food react within our bodies to promote health or cause disease?" With a foundation in chemistry and biology, nutrition science addresses these types of questions and examines the findings. UC Davis' nutrition department, one of the highest ranked in the country, gives you access to well-known faculty, challenging coursework and hands-on research and internship opportunities.

Questions? Contact an adviser at 3211 Meyer Hall, (530) 752-2512, nutritionadvising@ucdavis.edu, nutrition.ucdavis.edu.

Plant Sciences

Students interested in developing a scientific understanding of how plants develop in managed agricultural ecosystems and how plant products are utilized for food, fiber and environmental enhancement embrace the plant sciences major. You will develop an area of specialization in crop production, plant genetics and breeding, postharvest biology and technology, or develop an individual specialization. Students gain experience through practical laboratory courses and internships.

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

Textiles and Clothing

Clothing and fashion serve practical, aesthetic and abstract functions: clothing protects us from the elements, while our fashion choices help us express our individuality and group affiliation. Students integrate scientific knowledge of textile characteristics and manufacturing methods with pioneering ideas about marketing and distributing textile products. This career-focused program gives you excellent preparation for work in the fast-paced global fashion industry.

Questions? Contact an adviser at 129 Everson Hall, (530) 752-4417, textiles.ucdavis.edu.

Viticulture and Enology

Since ancient times, the enjoyment of wine and grape products has been a treasured part of civilized society. As a viticulture and enology major at UC Davis, you'll benefit not only from our outstanding faculty and laboratory facilities, such as the recently unveiled Robert Mondavi institute for Wine and Food Science, but also from our location near the center of California's thriving, innovative wine industry.

Questions? Contact an adviser at 1204 Robert Mondavi Institute South, (530) 752-8035 or (530) 754-8368, wineserver.ucdavis.edu.

Wildlife, Fish and Conservation Biology

In urban areas and remote wildernesses, the health of wild animal populations is enormously affected by human activities. You'll study the relationships between the needs of humans—including recreation, resource use and hunting—and wildlife for shelter and habitat preservation. Our focus on real-world training provides excellent preparation for students interested in professional careers in wildlife and conservation biology.

Questions? Contact an adviser at 1088 Academic Surge Bldg., (530) 754-9796, wfcb.ucdavis.edu.

Undeclared/Exploratory

The exploratory program is designed to assist students with discovering the wide variety of academic opportunities available while helping define and focus academic interests. Advisers help students explore options and identify areas of interest while assuring successful academic progress toward the completion of a baccalaureate degree.

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

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

LOOK FOR US ON FACEBOOK, MYSPACE AND YOUTUBE

Prepared and distributed by Undergraduate Admissions, University of California, Davis, 178 Mrak Hall, One Shields Avenue, CA 95616-8507, (530) 752-2971, admissions.ucdavis.edu

The University of California does not discriminate on the basis of race, color, national origin, religion, sex, sexual orientation, handicap, age, veterans status, medical condition, or marital status. The University of California is an affirmative action/equal opportunity employer. Call (530) 752-2070 for more information.