Majors and Minors
The College of Agricultural and Environmental Sciences (CA&ES) has an international research reputation with outstanding academics and a diverse, active student community. The college houses 28 majors and 41 minors, plus an exploratory/undeclared option, in the fields of agriculture, environment, human needs and social sciences. Many students are unsure about their major choice when they arrive on campus, and we are here to help guide you.

### MAJORS
- Agricultural and Environmental Education
- Animal Biology
- Animal Science
- Animal Science and Management
- Atmospheric Science
- Biotechnology
- Clinical Nutrition
- Community and Regional Development
- Ecological Management and Restoration
- Entomology
- Environmental Horticulture and Urban Forestry
- Environmental Policy Analysis and Planning
- Environmental Science and Management
- Environmental Toxicology
- Food Science
- Global Disease Biology
- Human Development
- Hydrology
- International Agricultural Development
- Landscape Architecture
- Managerial Economics
- Marine and Coastal Science
- Nutrition Science
- Plant Sciences
- Sustainable Agriculture and Food Systems
- Sustainable Environmental Design
- Viticulture and Enology
- Wildlife, Fish and Conservation Biology
- Undeclared/Exploratory Program

### MINORS
- Aging and Adult Development
- Agricultural Pest Management
- Agricultural Systems and Environment
- Animal Science—Animal Biology
- Animal Science—Animal Genetics
- Animal Science—Aquaculture
- Animal Science—Dairy/Livestock
- Animal Science—Equine
- Applied Computing and Information Systems
- Atmospheric Science
- Avian Sciences
- Climate Science and Policy
- Community Development
- Community Nutrition
- Contemporary Leadership
- Environmental Horticulture
- Environmental Policy Analysis and Planning
- Environmental Toxicology
- Food Service Management
- Forensic Entomology
- Fungal Biology and Ecology
- Geographic Information Systems
- Geographic Studies
- Global Disease Biology
- Human Development
- Hydrology
- Insect Biology
- Insect Ecology and Evolution
- International Agricultural Development
- International Science Studies
- Landscape Restoration
- Managerial Economics
- Medical–Veterinary Entomology
- Nematology
- Nutrition and Food
- Nutrition Science
- Precision Agriculture
- Science and Society
- Soil Science
- Watershed Science
- Wildlife, Fish and Conservation Biology
Entomology
Gain an understanding of insects and their diversity, while focusing on the importance of insects to the natural and managed ecosystems. Students have the opportunity to study insect behavior and interactions with plants and other insects. Students have the opportunity to gain hands-on experience in the field, lab, and greenhouse. They may choose to specialize in various areas such as pest control, insect ecology, or entomological research. Graduates are prepared for careers in pest control, insect ecology, or entomological research.

Environmental Horticulture and Urban Forestry
Improve the environment and quality of life through floriculture, urban forestry and landscape restoration. Also gain an understanding of plants, their behavior, and their role in the environment. Students have the opportunity to study plant physiology, plant nutrition, and plant disease. They may choose to specialize in various areas such as plant propagation, plant disease management, or plant breeding. Graduates are prepared for careers in horticulture, urban forestry, or landscape management.

Environmental Policy Analysis and Planning
Gain an understanding of environmental policy, planning, and resource management. Develop a deep understanding of the legal, economic, social, and technical aspects of environmental decision-making. Students have the opportunity to study environmental policy, planning, and resource management. They may choose to specialize in various areas such as environmental policy analysis, environmental planning, or resource management. Graduates are prepared for careers in environmental policy, planning, or resource management.

Environmental Science and Management
Gain an understanding of environmental science, their role in society, and their impact on humans and other species. Understand how the use of environmental toxins is regulated and monitored. Students have the opportunity to study environmental science, the economy, and the environment. They may choose to specialize in various areas such as environmental economics, environmental policy, or environmental management. Graduates are prepared for careers in environmental science, the economy, and the environment.

Environmental Toxicology
Learn about environmental toxins, their effects on human health, and the environment. Understand how the use of environmental toxins is regulated and monitored. Students have the opportunity to study environmental toxins, their effects on human health, and the environment. They may choose to specialize in various areas such as environmental toxicology, environmental health, or environmental policy. Graduates are prepared for careers in environmental toxicology, environmental health, or environmental policy.

Food Science
Explore innovative approaches to food production, food safety, and food industry. Students have the opportunity to study food production, food safety, and food industry. They may choose to specialize in various areas such as food production, food safety, or food industry. Graduates are prepared for careers in food production, food safety, or food industry.

Global Disease Biology
Recognize and solve disease-related challenges on a global scale by studying the health connections between people, animals, plants, and the environment. Students have the opportunity to study global disease biology, disease prevention, and disease control. They may choose to specialize in various areas such as global disease biology, disease prevention, or disease control. Graduates are prepared for careers in global disease biology, disease prevention, or disease control.
**Undeclared/Exploratory Program**
Explore academic options, personal interests, strengths and career goals. This pre-major advising program assists students in defining and focusing academic interests.

**Contact Information:**
150 Mrak Hall
530-752-0108
caesadvising@ucdavis.edu
caes.ucdavis.edu

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**Sustainable Agriculture and Food Systems**
Address the environmental, social and economic challenges and opportunities associated with agricultural and food systems sustainability.

**Careers:**
- Agriculture policy analyst
- Community organizer
- Educator
- Farmer/manager
- Food systems management
- International development
- Organic crops grower
- Permaculture specialist
- Small farm consultant
- Sustainability coordinator

**Specializations:**
- Agriculture and Ecology
- Food and Society
- Economics and Policy

**Contact Information:**
1152 Plant and Environmental Sciences Building
530-752-1602
asi.ucdavis.edu

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**Viticulture and Enology**
Study biological and physical aspects involved with grape and wine production and gain hands-on experience with grape growing and winemaking practices.

**Careers:**
- Cellar manager
- Chemist
- Enology/laboratory manager
- Marketing specialist
- Microbiologist
- Sales representative
- Sensory scientist
- Tasting room manager
- Vineyard manager
- Winemaker

**Contact Information:**
1204 Robert Mondavi Institute–South Building
530-752-3250
bftvadvising@ucdavis.edu
wineserver.ucdavis.edu

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**Wildlife, Fish and Conservation Biology**
Understand the relationships between the needs of wildlife, people and the environment and how these relationships are vital for the maintenance of ecological diversity, recreational resources and food supplies.

**Careers:**
- Aquaculture specialist
- Conservation biologist
- Educator
- Environmental attorney
- Fisheries biologist
- Forest/park ranger
- Marine biologist
- Veterinarian
- Wildlife rehabilitator
- Zoo biologist

**Specializations:**
- Fish Biology
- Wildlife and Conservation Biology
- Wildlife Health
- Individualized

**Contact Information:**
1086 Academic Surge
530-754-9796
wfcbadvising@ucdavis.edu
wfcb.ucdavis.edu

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**Sustainable Environmental Design**
Apply critical thinking, problem-solving, leadership and design planning strategies to create more livable, equitable and ecologically sound communities.

**Careers:**
- Architect
- Community development coordinator
- Environmental designer
- Environmental educator
- Environmental policy analyst
- Landscape designer
- Real estate management
- Sustainability coordinator
- Transportation planner
- Urban and/or regional planner

**Contact Information:**
135 Hunt Hall
530-754-8628
humanecology.ucdavis.edu

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- Zoo biologist

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- Wildlife and Conservation Biology
- Wildlife Health
- Individualized

**Contact Information:**
1086 Academic Surge
530-754-9796
wfcbadvising@ucdavis.edu
wfcb.ucdavis.edu

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**UC Admission Requirements**
admission.universityofcalifornia.edu

UC Davis offers a rigorous and rewarding academic environment, so make sure you meet or exceed the UC admission requirements to increase your chances for success in our college.

**Apply**
admission.universityofcalifornia.edu

The UC application for undergraduate admission and scholarships is available on August 1 and can be submitted November 1–30.

**Financial Assistance**
financialaid.ucdavis.edu

Financial aid options are available for students at all income levels. Explore how scholarships, grants, work-study and other forms of assistance can help you reach your academic goals.

**Advising**
caes.ucdavis.edu/students/advising

CAES offers an extensive network of support for undergraduate students. From before you are admitted to UC Davis until you graduate, you will receive advising by faculty, staff and peer advisors. We will help you find the right major, clarify your educational goals, manage your degree requirements and provide guidance with developing your schedule. We are here to connect you to various campus resources and encourage you in achieving your goals.

**Internships**
icc.ucdavis.edu

Many CAES students explore potential careers through internships both off campus and on. Our college offers opportunities for students to build on classroom learning in our animal facilities, greenhouses, laboratories and on the Student Farm. Our students also try the jobs in industry, environmental endeavors and with community organizations. The UC Davis Internship and Career Center will help you get hands-on experience and find your career direction.
### Preparatory Subject Matter at a Glance

This chart shows how lower division preparatory courses overlap in many of our majors. You can use this chart to assess which majors you may want to explore further based on your interest in certain subjects. Take some time to consult the General Catalog at catalog.ucdavis.edu and/or seek academic advising about your specific major and degree requirements.

If you are looking to transfer, visit assist Orr to find available lower division course work for the majors offered at your community college.

Successful completion of these lower division courses will help you begin your upper division course work upon transfer and significantly reduce time to degree. Contact an academic advisor at csadvising.ucdavis.edu with any questions.

This chart does not include all preparatory subject matter. Consult the General Catalog for details regarding all preparatory subject requirements. Contact an academic advisor at catalog.ucdavis.edu with any questions.

See additional information in the General Catalog at catalog.ucdavis.edu.

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<thead>
<tr>
<th>Biological Science</th>
<th>Chemistry</th>
<th>Computer Science</th>
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<td>2A/B and 8A/B or 11A/B</td>
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<td>See General Catalog</td>
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<td>See General Catalog</td>
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<td>7A/B (Agriculture and Ecology track only)</td>
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</tbody>
</table>

*Required courses for this subject vary by specialization within the major.

The General Catalog is available at catalog.ucdavis.edu.
What’s next?
Find your passion at UC Davis!

Sustainable agriculture and food systems students measure the growth of corn with the help of faculty.

Visit our Welcome Center
visit.ucdavis.edu/tourreg
Schedule a campus tour with our friendly student guides.

Take a virtual tour
ucdavis.edu/virtual-tour

Explore our majors online
caes.ucdavis.edu/majors
Visit our website for additional details.

CA&ES Dean’s Office
One Shields Ave
Davis, CA 95616-8571
530-752-0108
caes.ucdavis.edu

Visit us on campus at 150 Mrak Hall.