

## 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 43 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. You are here to explore your interests, find your passion and begin your career path.



### 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  
Fiber and Polymer Science  
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  
Textiles and Clothing  
Watershed Science  
Wildlife, Fish and Conservation Biology



## Agricultural and Environmental Education

Gain a foundation in agricultural and environmental sciences, as well as educational theory and practice, by attaining skills in teaching, communications and outreach.

### Careers:

- Academic advisor/counselor
- Agricultural extension educator
- Community organizer/advocate
- Environmental science educator
- High school agricultural education teacher
- K-12 teacher (with certification)
- Museum educator/docent
- Non-traditional agricultural and environmental educator
- Writer/journalist
- Youth development educator

### Specializations:

- Agricultural Business and Economics
- Animal Science
- Applied Biological Systems Technology
- Environmental Horticulture
- Environmental Science and Natural Resources
- Plant and Soil Science

### Contact Information:

1202 Meyer Hall  
530-754-7915  
asac@ucdavis.edu  
[animalscience.ucdavis.edu/asac/bee-major.html](http://animalscience.ucdavis.edu/asac/bee-major.html)

## Animal Biology

Use the process and principles of science, contemporary thinking in biology and a team approach to solve problems of a biological nature.

### Careers:

- Environmental impact specialist
- Epidemiologist
- Fisheries/wildlife biologist
- Geneticist/molecular biologist/genomics
- Physician/health professions
- Professor (university/college)
- Research scientist
- Teacher/educator
- Veterinarian
- Zookeeper/zoo manager

### Contact Information:

160 Hutchison Hall  
530-754-7277  
[abi-advising@ucdavis.edu](mailto:abi-advising@ucdavis.edu)  
[ucdavis.edu/majors/animal-biology](http://ucdavis.edu/majors/animal-biology)

## Animal Science

Learn about the biology, management and utilization of domestic and captive animals by focusing on modern, efficient and humane ways to make the best use and care of the animals people encounter on a daily basis.

### Careers:

- Animal caretaker/zookeeper
- Animal nutritionist
- Aquaculturist
- Farmer/rancher
- K-12 teacher (with certification)
- Livestock producer/breeder
- Pharmaceutical sales representative
- Technical service representative
- USDA or state inspector
- Veterinarian

### Specializations:

- Animal Science with a Disciplinary Focus (Behavior, Biochemistry, Genetics, Nutrition or Physiology)
- Aquatic Animals
- Avian Sciences
- Companion and Captive Animals
- Equine Science
- Laboratory Animals
- Livestock and Dairy
- Poultry

### Contact Information:

1202 Meyer Hall  
530-754-7915  
asac@ucdavis.edu  
[animalscience.ucdavis.edu/asac/ans-major.html](http://animalscience.ucdavis.edu/asac/ans-major.html)

## Animal Science and Management

Incorporate marketing, economics and accounting skills into businesses and careers working with animals and related agricultural industries.

### Careers:

- Agriculture commodity analyst
- Animal health/veterinarian
- Farmer/rancher
- Feed/pet store manager
- Livestock production manager
- Marketing specialist
- Owner/operator—animal-based businesses
- Pet food manufacturing
- Pharmaceutical sales/consulting
- Small animal facility manager

### Specializations:

- Aquatic Animals
- Companion Animals
- Dairy
- Equine
- Livestock
- Poultry
- Individualized

### Contact Information:

1202 Meyer Hall  
530-754-7915  
asac@ucdavis.edu  
[animalscience.ucdavis.edu/asac/ans-major.html](http://animalscience.ucdavis.edu/asac/ans-major.html)

## Atmospheric Science

Discover how humans and ecosystems interact with weather, climate and air quality. Gain a predictive understanding of the atmosphere to guide decisions about Earth's most important natural resource — the air we breathe.

### Careers:

- Air quality specialist/scientist
- Atmospheric chemist
- Atmospheric science researcher
- Broadcast meteorologist
- Climate scientist
- Educator
- Environmental scientist
- Meteorologist
- Renewable energy consultant
- Weather forecaster

### Contact Information:

1150 Plant and Environmental Sciences Building  
530-752-1603  
[lawr@ucdavis.edu](mailto:lawr@ucdavis.edu)  
[lawr.ucdavis.edu](http://lawr.ucdavis.edu)

## Biotechnology

Focus on the mechanics of life processes and their applications to improve human and animal health, food safety, energy production and environmental quality. This multidisciplinary field has an impact on almost every aspect of modern human life.

### Careers:

- Biofuel specialist
- Bioinformatics
- Biomedical engineer
- Broadcast meteorologist
- Climate scientist
- Educator
- Environmental scientist
- Genetic counselor
- Microbiologist
- Molecular biologist
- Pharmacist
- Physician
- Plant breeder

### Specializations:

- Animal Biotechnology
- Bioinformatics
- Fermentation/Microbiology
- Plant Biotechnology

### Contact Information:

1220 Plant and Environmental Sciences Building  
530-752-1715  
[biotechmajor@ucdavis.edu](mailto:biotechmajor@ucdavis.edu)

## Clinical Nutrition

Apply principles of nutrition to guide people to eat healthier diets by means of therapy, education and research in hospitals, schools or communities. Fully accredited.

### Careers:

- Dietetic technician
- Educator
- Food and drug investigator
- Food safety specialist
- Food service director
- Health and wellness educator
- Nurse
- Nutritionist
- Nutrition policy analyst
- Registered dietitian

### Contact Information:

3202 Meyer Hall  
530-752-2512  
[nutritionadvising@ucdavis.edu](mailto:nutritionadvising@ucdavis.edu)  
[nutrition.ucdavis.edu](http://nutrition.ucdavis.edu)

## Community and Regional Development

Build skills to manage communities and understand and shape economic and sociocultural forces transforming organizations.

### Careers:

- Attorney
- Community development coordinator
- Community organizer and advocate
- Economic development analyst
- Human resource manager
- Nonprofit administrator
- Public interest advocate
- Social entrepreneur
- Social worker
- Urban and/or regional planner

### Specializations:

- Global Communities
- Organization and Management
- Policy, Planning and Social Services

### Contact Information:

1303 Hart Hall  
530-752-2244  
[humanecology.ucdavis.edu](http://humanecology.ucdavis.edu)



Food science students give olive harvesting a try at campus research groves



### **Ecological Management and Restoration**

Manage and restore wild and rangeland plant communities by gaining an understanding of how natural and managed ecosystems function and interact and connect with human society.

**Careers:**

- Environmental restoration practitioner
- Environmental scientist
- Farm/rangeland manager
- Natural resource manager
- Natural resources conservation specialist
- Naturalist/outdoor education specialist
- Parks or forest botanist
- Rangeland ecologist
- Reserve manager
- Restoration ecologist

**Contact Information:**

1220 Plant and Environmental Sciences Building  
530-752-9770  
[plantsciences.ucdavis.edu](http://plantsciences.ucdavis.edu)

### **Entomology**

Gain an understanding of insects and their diversity, while focusing on the importance of insects to science, the economy, environment and public health.

**Careers:**

- Agricultural inspector
- Apiculturist (beekeeper)
- Biosecurity
- Educator
- Forensic scientist
- Insect biologist
- Integrated pest management consultant
- Medical/veterinary entomologist
- Museum curator
- Pest control advisor

**Contact Information:**

150 and 152 Hutchison Hall  
530-754-7277  
[entomology.ucdavis.edu](http://entomology.ucdavis.edu)

### **Environmental Horticulture and Urban Forestry**

Improve the environment and quality of life through floriculture, urban forestry and landscape restoration. Also gain an understanding of plant production, management and biology.

**Careers:**

- Botanical garden manager
- Certified arborist
- City forester/urban forester
- Greenhouse/nursery manager
- Irrigation engineer
- Landscape contractor
- Native plant propagator
- Restoration practitioner
- Revegetation consultant
- Seed producer

**Specializations:**

- Floriculture/Nursery
- Urban Landscape Management
- Plant Biodiversity/Restoration

**Contact Information:**

1220 Plant and Environmental Sciences Building  
530-752-9770  
[plantsciences.ucdavis.edu](http://plantsciences.ucdavis.edu)

### **Environmental Policy Analysis and Planning**

Cultivate skills in evaluating environmental policy, transportation and planning, and natural resource management. Develop a deep understanding of the legal, economic, political and scientific issues involved in policymaking.

**Careers:**

- Air pollution analyst
- Energy policy specialist
- Environmental advocacy
- Environmental attorney
- Legislative aid/legislator
- Geographic Information Systems analyst
- Natural resource analyst
- Transportation planner
- Urban and/or regional planner
- Water quality specialist
- Writer/journalist

**Specializations:**

- City and Regional Planning
- Climate Change Policy
- Conservation Management
- Energy and Transportation Planning
- Environmental Policy and Politics
- Integrative Policy
- Water Management

**Contact Information:**

2134 Wickson Hall  
530-752-7183  
[desp.ucdavis.edu](mailto:desp.ucdavis.edu)

### **Environmental Science and Management**

Gain an understanding of the natural science behind environmental problems and how science impacts environmental decision-making.

**Careers:**

- Atmospheric scientist
- Conservation biologist
- Ecologist
- Environmental attorney
- Environmental educator
- Environmental impact specialist
- Geographic Information Systems analyst
- Natural resource manager
- Soil scientist
- Watershed manager

**Specializations:**

- Climate Change and Air Quality
- Ecology, Biodiversity, and Conservation
- Geospatial Information Science
- Natural Resource Management
- Soils and Biogeochemistry
- Watershed Science

**Contact Information:**

2134 Wickson Hall  
530-752-7183  
[desp.ucdavis.edu](mailto:desp.ucdavis.edu)  
or  
1150 Plant and Environmental Sciences Building  
530-752-1603  
[lawr.ucdavis.edu](mailto:lawr.ucdavis.edu)

### **Environmental Toxicology**

Learn about environmental toxins, their environmental fate and their impact on humans and other species. Understand how the use of environmental toxins is regulated and monitored.

**Careers:**

- Biohazard specialist
- Environmental attorney
- Environmental chemist
- Environmental compliance analyst
- Environmental consultant
- Forensic scientist
- Pharmacist
- Physician
- Public health scientist
- Risk assessment analyst

**Specializations:**

- Ecotoxicology and Environmental Chemistry
- Forensic Science and Regulatory Toxicology
- Geospatial Information Science
- Molecular and Biomedical Toxicology

**Contact Information:**

4111 Meyer Hall  
530-752-1042  
[etox.ucdavis.edu](mailto:etox.ucdavis.edu)

### **Food Science**

Explore innovative approaches to grow, process, package, store and distribute food while building skills to improve the convenience, nutrition, safety, stability, sustainability, taste and value of foods. Institute of Food Technologists (IFT) accredited.

**Careers:**

- Brewmaster
- Chemist
- Food production/supply chain manager
- Food safety specialist
- Microbiologist
- Process development engineer
- Product development scientist
- Quality assurance specialist
- Sales/purchasing representative
- Sensory scientist

**Specializations:**

- Brewing Science

**Contact Information:**

1204 Robert Mondavi Institute—South Building  
530-752-3250  
[bftadvising@ucdavis.edu](mailto:bftadvising@ucdavis.edu)  
[foodscience.ucdavis.edu](http://foodscience.ucdavis.edu)

### **Global Disease Biology**

Address global diseases and health challenges by studying the connection between disease and its relationship to the health of people, animals, plants and the environment.

**Careers:**

- Disease prevention and control officer
- Epidemiologist
- Food safety specialist
- Global health care advocate
- Government health regulator
- Physician
- Plant pathologist
- Public health expert
- Veterinarian
- World Health Organization associate

**Contact Information:**

152 Hutchison Hall  
530-754-4131  
[gdb.ucdavis.edu](mailto:gdb.ucdavis.edu)



Environmental science students learn about tidal habitats on a field trip to Suisun Marsh



### Human Development

Understand interactions among biological, psychological, social and contextual processes in humans throughout the life cycle.

**Careers:**

- Child care director
- Community health educator
- Counselor/psychologist
- Human resources director
- Humanitarian services
- K-12 teacher (with certification)
- Nurse
- Physical therapist
- Physician
- Social worker

**Contact Information:**

1303 Hart Hall  
530-752-2244  
[humanecology.ucdavis.edu](mailto:humanecology.ucdavis.edu)

### Hydrology

Study the occurrence, distribution and composition of water. Build skills to sustainably manage water quantity and quality.

**Careers:**

- Hydrologist
- Environmental scientist
- Environmental consultant
- Hydrogeologist
- Limnologist
- Wastewater treatment planner
- Water hygiene engineer
- Water policy analyst
- Water quality specialist
- Water resources engineer

**Contact Information:**

1150 Plant and Environmental Sciences Building  
530-752-1603  
[lawradvising@ucdavis.edu](mailto:lawradvising@ucdavis.edu)  
[lawr.ucdavis.edu](mailto:lawr.ucdavis.edu)

### International Agricultural Development

Explore ways that culture, economics and technology affect agriculture and build the skills and knowledge to help produce and distribute food to the people of emerging economies. Fully accredited.

**Careers:**

- Agribusiness manager
- Community organizer and advocate
- Corporate sustainability officer
- Economist
- Educator
- Farmer/rancher
- International aid worker
- International developer
- Pest management consultant
- Public interest advocate
- Landscape architect
- Architect
- Environmental/restoration designer
- Forester
- Garden designer
- Interpretative landscape designer
- Landscape manager
- Park ranger/park manager
- Recreational facilities designer/planner
- Urban and/or regional planner

**Specializations:**

- Agricultural Production
- Environmental Issues
- Rural Communities
- Trade and Economic Development

**Contact Information:**

1238 Plant and Environmental Sciences Building  
530-752-4839  
[plantsciences.ucdavis.edu](mailto:plantsciences.ucdavis.edu)

### Landscape Architecture

Use creativity and apply visual and technological skills to design parks, neighborhoods and urban open spaces for the use of communities and for conservation of the environment. Fully accredited.

**Careers:**

- Landscape architect
- Architect
- Environmental/restoration designer
- Forester
- Garden designer
- Interpretative landscape designer
- Landscape manager
- Park ranger/park manager
- Recreational facilities designer/planner
- Urban and/or regional planner

**Contact Information:**

135 Hunt Hall  
530-754-8628  
[humanecology.ucdavis.edu/landscape-architecture-major](http://humanecology.ucdavis.edu/landscape-architecture-major)



### Managerial Economics

Gain a thorough grounding in economic theory and practical business applications. Cultivate skills in quantitative methods, problem-solving strategies, critical thinking and effective communication that lead to promising careers in the business industry.

**Careers:**

- Accountant
- Agribusiness manager
- Analyst
- Entrepreneur
- Environmental planner
- Financial services consultant
- International consultant
- Investment banker
- Marketing/sales manager
- Stock/commodity broker
- Watershed planner

**Specializations:**

- Coastal Environmental Processes
- Marine Environmental Chemistry

**Contact Information:**

2119 Earth and Physical Sciences  
530-752-9100  
[mcs-advisers@ucdavis.edu](mailto:mcs-advisers@ucdavis.edu)  
[marinescience.ucdavis.edu/programs/mcsci](mailto:marinescience.ucdavis.edu/programs/mcsci)

**Contact Information:**

1176 Social Sciences and Humanities  
530-754-9536  
[manecon@primal.ucdavis.edu](mailto:manecon@primal.ucdavis.edu)  
[manecon.ucdavis.edu](mailto:manecon.ucdavis.edu)

### Marine and Coastal Science

Use foundational knowledge in marine sciences to understand the modern issues facing aquatic and coastal environments.

**Careers:**

- Aquaculture specialist
- Aquarium operations management
- Coastal geologist
- Ecotoxicologist
- Food scientist
- Laboratory staff researcher
- Nurse
- Nutrition policy analyst
- Pharmacist
- Physician
- Public health analyst

**Specializations:**

- Nutritional Biology
- Nutrition in Public Health

**Contact Information:**

3202 Meyer Hall  
530-752-2512  
[nutritionadvising@ucdavis.edu](mailto:nutritionadvising@ucdavis.edu)  
[nutrition.ucdavis.edu](mailto:nutrition.ucdavis.edu)

### Nutrition Science

Study food components, their biologic actions and how to promote healthy diets and impact nutrition policy and public health.

**Careers:**

- Community nutritionist
- Educator
- Food and drug investigator
- Food scientist
- Laboratory staff researcher
- Nurse
- Nutrition policy analyst
- Pharmacist
- Physician
- Public health analyst

**Specializations:**

- Crop Production
- Plant Breeding and Genetics
- Plant Sciences Individual Option
- Postharvest Biology and Technology

**Contact Information:**

1220 Plant and Environmental Sciences Building  
530-752-1715  
[plantsciences.ucdavis.edu](mailto:plantsciences.ucdavis.edu)

### Plant Sciences

Learn how plants grow and develop in managed agricultural ecosystems and how plant products are utilized for food, fiber and environmental enhancement.

**Careers:**

- Agronomist
- Farm operations manager
- Farmer/rancher
- Horticulturist
- Pest control advisor
- Plant breeder
- Plant geneticist
- Postharvest technology manager
- Precision agriculture specialist
- Seed producer

**Specializations:**

- Crop Production
- Plant Breeding and Genetics
- Plant Sciences Individual Option
- Postharvest Biology and Technology

**Contact Information:**

1220 Plant and Environmental Sciences Building  
530-752-1715  
[plantsciences.ucdavis.edu](mailto:plantsciences.ucdavis.edu)



Wildlife students track bluebirds in nest boxes along Putah Creek



### 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/rancher
- 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/programs/safs](http://asi.ucdavis.edu/programs/safs)

### Sustainable Environmental Design

Create and build sustainable communities and landscapes by engaging in urban and environmental design, local government planning and green building.

#### 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/sustainable-environmental-design](http://humanecology.ucdavis.edu/sustainable-environmental-design)

### 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
- Enologist/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  
[bftadvising@ucdavis.edu](mailto:bftadvising@ucdavis.edu)  
[wineserver.ucdavis.edu](http://wineserver.ucdavis.edu)

### 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

#### Contact Information:

1086 Academic Surge  
530-754-9796  
[wfcbadvising@ucdavis.edu](mailto:wfcbadvising@ucdavis.edu)  
[wfcb.ucdavis.edu](http://wfcb.ucdavis.edu)

### 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](mailto:caesadvising@ucdavis.edu)  
[caes.ucdavis.edu](http://caes.ucdavis.edu)

### UC Admission Requirements

[admission.universityofcalifornia.edu](http://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](http://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](http://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/current/advising](http://caes.ucdavis.edu/students/current/advising)

CA&ES offers an extensive network of advising for undergraduate students. From the moment you step on campus for orientation until you graduate, you will receive general and comprehensive advising by faculty, staff and peer advisors. We will help you find the right major, clarify your educational goals and provide guidance with developing your schedule and managing your degree requirements.

### Internships

[icc.ucdavis.edu](http://icc.ucdavis.edu)

Many CA&ES students explore potential careers through internships both off campus and on. Our college offers opportunities for students to build on classroom learning and get your hands dirty in our animal facilities, greenhouses, laboratories and on the Student Farm. Our students also try out jobs in industry, in 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 also use this chart to access which majors you may be more successful in based on your interest in certain subjects. Take some time to consult the General Catalog and/or seek academic advising about your specific major and degree requirements.

If you are looking to transfer, use [assist.org](http://assist.org) 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.

This chart does not include all preparatory subject matter. Consult the General Catalog for details regarding university, college and major requirements. [catalog.ucdavis.edu](http://catalog.ucdavis.edu)

	Biological Science	Chemistry	Computer Science	Math	Physics	Statistics
<b>Agricultural and Environmental Education</b>	2A/B	2A/B	—	16A/B or 17A/B or 21A/B	7A/B	—
<b>Animal Biology</b>	2A/B/C	2A/B/C and 8A/B or 118A/B	—	16A/B/C or 17A/B/C or 21A/B/C	7A/B/C	Statistics 13 or 100 or 102 or Plant Sciences 120
<b>Animal Science</b>	2A/B/C	2A/B and 8A/B or 118A/B	—	16A/B or 17A/B or 21A/B	—	Statistics 100 or Plant Sciences 120
<b>Animal Science and Management</b>	2A/B/C	2A/B and 8A/B or 118A/B	Plant Sciences 21 or Computer Science Engineering 15	16A/B/C or 17A/B/C or 21A/B/C	—	Statistics 100 or 103 or Plant Sciences 120
<b>Atmospheric Science</b>	Plant Sciences 2	2A/B	Computer Science Engineering 30 or course selected with advisor's approval	21A/B/C/D and 22A/B	9A/B/C	Statistics 13
<b>Biotechnology</b>	2A/B/C	2A/B/C and 8A/B or 118A/B/C or 128A/B/C/129A	—	16A/B or 17A/B or 21A/B	7A/B	Statistics 100 or Plant Sciences 120
<b>Clinical Nutrition</b>	2A/B	2A/B/C and 8A/B	—	Check with major advisor	—	Statistics 13
<b>Community and Regional Development</b>	—	—	Plant Sciences 21 or Computer Science Engineering 15	—	—	Sociology 46B or Statistics 13 or 32
<b>Ecological Management and Restoration</b>	2A/B/C	2A/B	—	16A/B or 17A/B or 21A/B	1A/B or 7A/B/C	Plant Sciences 120
<b>Entomology</b>	2A/B/C	2A/B/C and 8A/B	Plant Sciences 21 or Engineering 5 or Math 16B	16A/B/C or 17A/B/C or 21A/B/C	1A/B	Statistics 13 or 32 or Plant Sciences 21 or 120 or Engineering 5
<b>Environmental Horticulture and Urban Forestry</b>	2A/B and Plant Sciences 2	2A/B	—	16A or Statistics 13	1A/B	Statistics 13 or Math 16A
<b>Environmental Policy Analysis and Planning</b>	2A or 10	2A or 10	Plant Sciences 21 or Science and Society 18	16A/B or 17A/B or 21A/B	1A	Statistics 13 or 32
<b>Environmental Science and Management</b>	2A/B/C	2A/B	—	16A/B or 17A/B or 21A/B	7A/B/C or 1A/B	Statistics 13 or 100 (Statistics 100 recommended)
<b>Environmental Toxicology</b>	2A/B/C	2A/B/C and 118A/B/C or 128A/B/C/129A	Plant Sciences 21	17A/B/C or 21A/B/C	7A/B/C	Statistics 100 or 102 or 103 or 104 or 106 or 108
<b>Food Science</b>	2A	2A/B/C and 8A/B or 118A/B/C	—	16A/B/C	7A/B/C	Statistics 100
<b>Global Disease Biology</b>	2A/B/C	2A/B/C and 8A/B or 118A/B	—	17A/B/C or 21A/B/C	7A/B	Statistics 13 or 100
<b>Human Development</b>	2A or 10 (see college advisor)	—	—	—	—	Psychology 41 or Sociology 46A/B or Statistics 10 or 13
<b>Hydrology</b>	2A/B	2A/B/C	Engineering 6	21A/B/C/D and 22A/B	9A/B/C	Statistics 130A/B or Civil and Environmental Engineering 114
<b>International Agricultural Development</b>	2A/B and/or Plant Sciences 2 *	2A/B *	—	16A/B *	*	Statistics 13 or Plant Sciences 120 or Sociology 46B *
<b>Landscape Architecture</b>	2A or 10 or Plant Sciences 2	See General Catalog	See General Catalog	See General Catalog	See General Catalog	See General Catalog
<b>Managerial Economics</b>	—	—	Plant Sciences 21 or Computer Science Engineering 10 or 15 or 30	16A/B/C or 21A/B	—	Statistics 13 and 103
<b>Marine and Coastal Science</b>	2A/B/C	2A/B/C (see college advisor)	—	16A/B/C or 17A/B/C or 21A/B/C (see college advisor)	7A/B/C or 9A/B/C	Statistics 100 or 102
<b>Nutrition Science</b>	2A/B/C	2A/B/C and (8A/B or 118A/B or 128A/B/129A)	—	16A/B	1A/B (Biology option only)	Sociology 46A or Psychology 41 and Statistics 13 or Plant Sciences 120
<b>Plant Sciences</b>	2A/B and Plant Sciences 2	2A/B/C and 8A/B or 118A/B/C	—	16A/B or 17A/B	1A/B or 7A/B/C	Plant Sciences 120
<b>Sustainable Agriculture and Food Systems</b>	2A or 10 (2A/B for Agriculture and Ecology track only)	(2A/B for Agriculture and Ecology track only)	—	16A/B *	1A (Agriculture and Ecology track only)	See General Catalog
<b>Sustainable Environmental Design</b>	2A/B	See General Catalog	See General Catalog	See General Catalog	See General Catalog	See General Catalog
<b>Viticulture and Enology</b>	2A and Plant Sciences 2	2A/B/C and 8A/B	Plant Sciences 21	16A/B	1A/B or 7A	Statistics 106 or Plant Sciences 120
<b>Wildlife, Fish and Conservation Biology</b>	2A/B/C	2A/B and 8A/B	—	16A/B	1A/B	Statistics 100 or 102 or Plant Sciences 120

\* Required courses for this subject vary by specialization within the major. See additional information in the General Catalog at [catalog.ucdavis.edu](http://catalog.ucdavis.edu).



# What's next?

Find your passion at UC Davis!

The university's research farm, Russell Ranch, provides an outdoor lab setting for soil science students



[facebook.com/ucdavis.caes](https://www.facebook.com/ucdavis.caes)



[twitter.com/ucdavisCAES](https://twitter.com/ucdavisCAES)



[instagram.com/ucdaviscaes](https://instagram.com/ucdaviscaes)



[youtube.com/ucdaviscaes](https://youtube.com/ucdaviscaes)



[mobile.ucdavis.edu](https://mobile.ucdavis.edu)

**Visit our Welcome Center**  
[visit.ucdavis.edu/tourreg](https://visit.ucdavis.edu/tourreg)

Schedule a campus tour with our friendly student guides.

**Take a virtual tour**  
[ucdavis.edu/virtual-tour](https://ucdavis.edu/virtual-tour)

**Explore online**  
[caes.ucdavis.edu](https://caes.ucdavis.edu)

Visit our website for additional details.

CA&ES Dean's Office  
One Shields Ave  
Davis, CA 95616-8571

Visit us on campus at 150 Mrak Hall.

Information: 530-752-0108

