

# Majors and Minors

Explore your interests and gain hands-on experience in agriculture, environment, human needs and social sciences at the College of Agricultural and Environmental Sciences (CA&ES). Choose from any of our 28 majors and 40 minors, including an exploratory/undeclared option. You will be learning from today's top scientists and faculty at an internationally-recognized school with outstanding academics and a diverse, active student community.

This guide will help you get to know all of our majors and choose the one that will help you follow your passion and begin your career path.

## MAJORS

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

## MINORS

Aging and Adult Development	Environmental Horticulture	International Agricultural Development
Agricultural Pest Management	Environmental Policy Analysis and Planning	International Science Studies
Agricultural Systems and Environment	Environmental Toxicology	Landscape Restoration
Animal Science—Animal Biology	Food Service Management	Managerial Economics
Animal Science—Animal Genetics	Forensic Entomology	Medical—Veterinary Entomology
Animal Science—Aquaculture	Fungal Biology and Ecology	Nematology
Animal Science—Dairy/Livestock	Geographic Information Systems	Nutrition and Food
Animal Science—Equine	Geographic Studies	Nutrition Science
Atmospheric Science	Global Disease Biology	Precision Agriculture
Avian Sciences	Human Development	Science and Society
Climate Science and Policy	Hydrology	Soil Science
Community Development	Insect Biology	Watershed Science
Community Nutrition	Insect Ecology and Evolution	Wildlife, Fish, and Conservation Biology
Contemporary Leadership		



### 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
- Agriculture curriculum writer
- Agricultural extension educator
- Community organizer/advocate
- Environmental science educator
- High school agricultural education teacher
- Museum educator/docent/outdoor education specialist
- Writer/journalist
- Youth development educator
- Agricultural sales and/or marketing

#### 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/aee-major.html](mailto:animalscience.ucdavis.edu/asac/aee-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:

- Epidemiologist
- Fisheries/wildlife biologist
- Geneticist/molecular biologist/genomics
- Physician/health professions
- Professor
- Research scientist
- Teacher/educator
- Veterinarian
- Zookeeper/zoo manager

#### Contact Information:

160 Hutchison Hall  
530-754-7277  
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
- 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  
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asac@ucdavis.edu  
[animalscience.ucdavis.edu/asac/ans-major.htm](mailto:animalscience.ucdavis.edu/asac/ans-major.htm)



### 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 of animal-based businesses
- Pet food manufacturer
- Pharmaceutical sales/consultant
- 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/anm-major.html](mailto:animalscience.ucdavis.edu/asac/anm-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  
lawradvising@ucdavis.edu  
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
- Food 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



### Clinical Nutrition

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

**Careers:**

- Dietetic technician
- Nutrition educator
- Food and drug investigator
- Food safety specialist
- Food service director
- Health and wellness educator
- Nurse/physician's assistant
- Degreed nutritionist
- Nutrition policy analyst
- Registered dietitian

**Contact Information:**

3202 Meyer Hall  
530-752-2512 or 530-752-7094  
nutritionadvising@ucdavis.edu  
nutrition.ucdavis.edu



### Community and Regional Development

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

**Careers:**

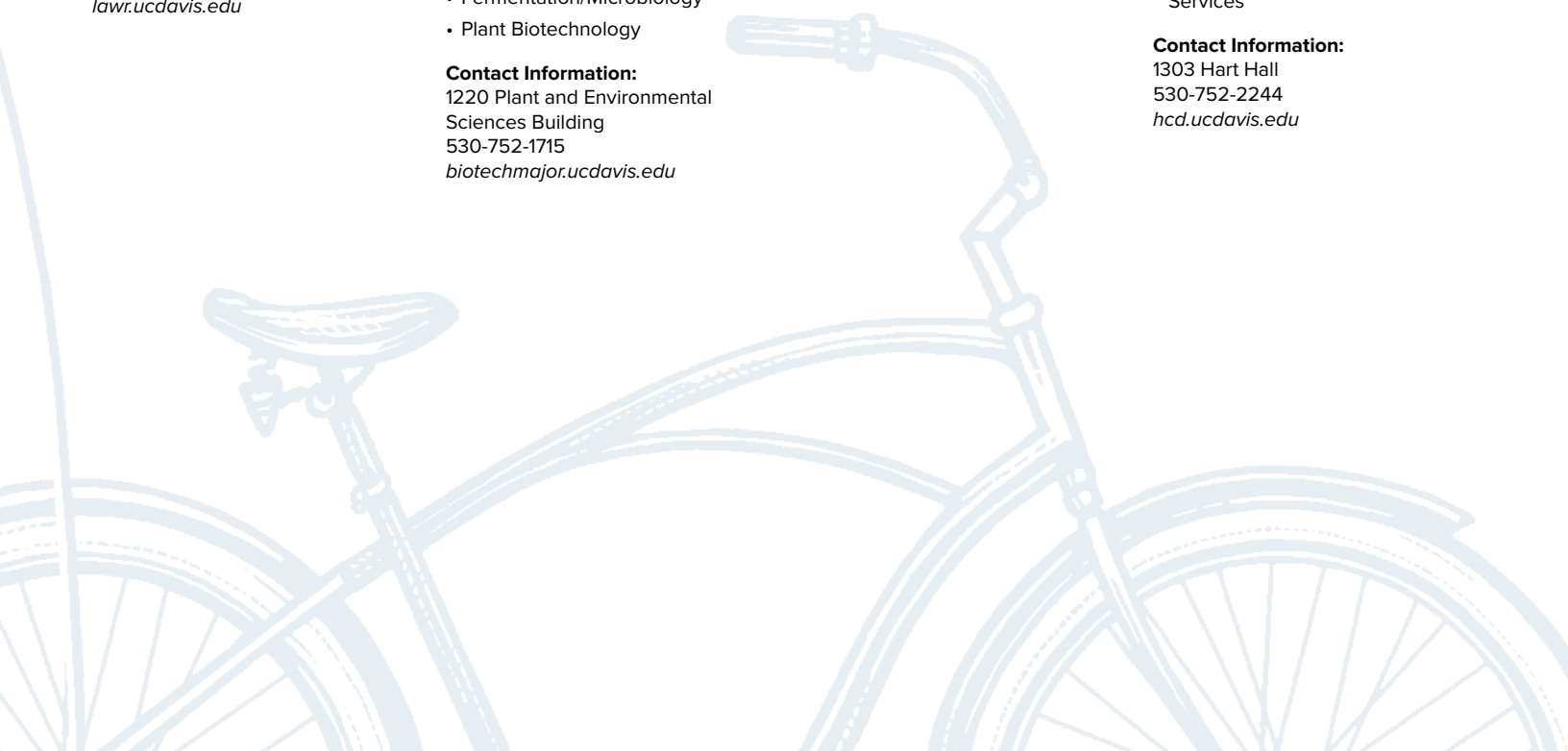
- Attorney
- Community development coordinator
- Community organizer and advocate
- Economic development analyst
- Human resource manager
- Nonprofit administrator
- Public service
- Social entrepreneur
- Social worker
- Urban and/or regional planner

**Specializations:**

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

**Contact Information:**

1303 Hart Hall  
530-752-2244  
hcd.ucdavis.edu





### 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 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 advocate
- Environmental attorney
- Legislative aid/legislator
- 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](http://desp.ucdavis.edu)





### Environmental Science and Management

Explore the interaction of physical, chemical, biological and social components of environmental problems. 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
- 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) approved program.

**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  
[bftvadvising@ucdavis.edu](mailto:bftvadvising@ucdavis.edu)  
[foodscience.ucdavis.edu](http://foodscience.ucdavis.edu)



### 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.

**Careers:**

- Epidemiologist
- Food safety specialist
- Genetic counselor
- Health policy maker
- Physician/registered nurse
- Plant pathologist
- Public health expert
- Science writer/journalist
- Veterinarian
- World Health Organization associate

**Contact Information:**

150 Hutchison Hall  
 530-754-4131  
[gdb-advise@ucdavis.edu](mailto:gdb-advise@ucdavis.edu)  
[gdb.ucdavis.edu](http://gdb.ucdavis.edu)



### 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
- Nurse
- Physical therapist
- Physician
- Social worker

**Contact Information:**

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

**Careers:**

- Agribusiness manager
- Community organizer and advocate
- Corporate sustainability officer
- Economist
- Educator
- Farmer/rancher
- International aid worker
- International development practitioner
- Pest control advisor
- Public interest advocate

**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](http://plantsciences.ucdavis.edu)



### Landscape Architecture

Design and plan landscapes and built environments that support desired ecological functions, integrate sustainable and regenerative technologies, and foster resilient, equitable and inclusive communities. Curriculum based on design studio work. Fully accredited.

**Careers:**

- Landscape architect
- Landscape ecologist
- Urban designer/planner
- Architectural designer
- Garden designer
- Ecological restoration planner
- Parks and recreation designer/manager
- Urban forestry specialist
- Horticultural designer/specialist
- Landscape construction manager

**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

#### Specializations:

- Agribusiness Economics
- Business Economics
- Environmental and Resources Economics
- International Business Economics

#### Contact Information:

1176 Social Sciences and Humanities  
530-754-9536  
manecon@primal.ucdavis.edu  
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
- Environmental chemist
- Fisheries biologist
- Marine biologist/ecologist
- Ocean/coastal policy coordinator
- Oceanographer
- Watershed planner

#### Specializations:

- Coastal Environmental Processes
- Marine Environmental Chemistry

#### Contact Information:

2119 Earth and Physical Sciences  
530-752-9100  
mcs-advisers@ucdavis.edu  
marinescience.ucdavis.edu/  
programs/mcsci



### 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:

- Nutritional Biology
- Nutrition in Public Health

#### Contact Information:

3202 Meyer Hall  
530-752-2512  
530-752-7094  
nutritionadvising@ucdavis.edu  
nutrition.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



### 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

Prepares students to be leaders and practitioners in the pursuit of more sustainable communities. Emphasizes critical thinking, problem-solving, leadership, and application of design and planning strategies to create more livable, equitable and ecologically sound communities.

**Careers:**

- Environmental designer
- City or regional planner
- Sustainability manager/ coordinator
- Ecological restoration specialist
- Geographic information systems (GIS) specialist
- Environmental policy analyst
- Environmental educator
- Community development coordinator
- Transportation planner
- Architectural designer

**Contact Information:**

135 Hunt Hall  
530-754-8628  
[sed.ucdavis.edu](http://sed.ucdavis.edu)



### 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  
[bftvadvising@ucdavis.edu](mailto:bftvadvising@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 biologist
- Zoo biologist

**Specializations:**

- Fish Biology
- Wildlife and Conservation Biology
- Wildlife Health
- Individualized

**Contact Information:**

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

### **UC Davis Admission Requirements** [ucdavis.edu/admissions/undergraduate](http://ucdavis.edu/admissions/undergraduate)

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

### **Apply** [ucdavis.edu/admissions/undergraduate/apply](http://ucdavis.edu/admissions/undergraduate/apply)

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.

### **CA&ES Undergraduate Academic Programs** [caes.ucdavis.edu/students](http://caes.ucdavis.edu/students)

CA&ES offers a supportive network of faculty, staff and peer advisors who will provide you with advising from the moment you step on campus until graduation. We offer a variety of programs and classes, such as Career Discovery Groups, to help you explore majors and careers, define your educational goals and provide guidance to help you stay on track. We also offer opportunities for you to connect with fellow students and gain leadership skills through events and student organizations, such as Aggie Ambassadors.

### **Internships** [icc.ucdavis.edu](http://icc.ucdavis.edu)

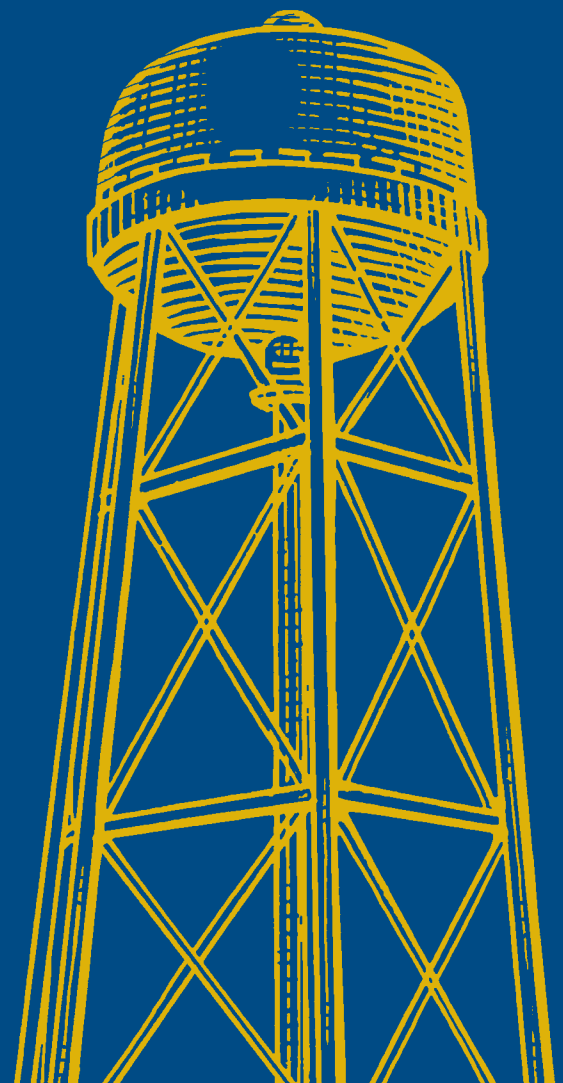
Our students explore potential careers through internships both on and off campus. Students can build on classroom learning and get their hands dirty in our facilities, greenhouses, laboratories and on the Student Farm. Students also try out jobs in industry, in environmental endeavors and with community organizations. The UC Davis Internship and Career Center will help you get hands-on experience and find your career direction.

### **Career Discovery Groups** [caes.ucdavis.edu/students/cdg](http://caes.ucdavis.edu/students/cdg)

Career Discovery Groups, a partnership between the CA&ES and the Internship and Career Center, give freshmen and first-year transfer students an opportunity to explore career possibilities and make academic choices for future success.

### **Aggie Jumpstart** [caes.ucdavis.edu/students/aggie-jumpstart](http://caes.ucdavis.edu/students/aggie-jumpstart)

Aggie Jumpstart is a new CA&ES program created to promote inclusive academic excellence and student success through community building, leadership and advising. In partnership with the Retention Initiatives and the Internship and Career Center, Aggie Jumpstart works to address barriers for first-generation, low-income and underserved students and provides students a network of UC Davis staff, faculty and other campus communities.



## Preparatory Subject Matter at a Glance

This chart shows some lower division prep course work across our 28 majors. Many of our majors' lower division prep courses overlap, which means you can explore various interests while still making progress toward your intended major.

You can also use this chart to determine which majors match your own interests in certain subjects. Take some time to consult the General Catalog and/or reach out to our academic advisors to learn more about specific majors and degree requirements.

If you are looking to transfer, use [assist.org](https://assist.org) to find available lower division courses at your community college to make progress in your intended major. Completing these lower division courses at your community college will help you dive into your upper division course work upon transferring.

This chart does not include all preparatory subject matter. For more information, review the General Catalog for more details on university, college and major requirements. [catalog.ucdavis.edu](https://catalog.ucdavis.edu)

	Biological Science	Chemistry
<b>Agricultural and Environmental Education</b>	2A/B	2A/B
<b>Animal Biology</b>	2A/B/C	2A/B/C and 8A/B or 118A/B
<b>Animal Science</b>	2A/B/C	2A/B and 8A/B or 118A/B
<b>Animal Science and Management</b>	2A/B/C	2A/B and 8A/B or 118A/B
<b>Atmospheric Science</b>	Plant Sciences 2	2A/B
<b>Biotechnology</b>	2A/B/C	2A/B/C and 8A/B or 118A/B/C or 128A/B/C/129A
<b>Clinical Nutrition</b>	2A/B	2A/B/C and 8A/B
<b>Community and Regional Development</b>	—	—
<b>Ecological Management and Restoration</b>	2A/B/C	2A/B
<b>Entomology</b>	2A/B/C and 8A/B or 118A/B	2A/B/C and 8A/B
<b>Environmental Horticulture and Urban Forestry</b>	2A/B and Plant Sciences 2	2A/B
<b>Environmental Policy Analysis and Planning</b>	2A or 10	2A or 10
<b>Environmental Science and Management</b>	2A/B/C	2A/B
<b>Environmental Toxicology**</b>	2A/B/C	2A/B/C and 118A/B/C or 128A/B/C/129A
<b>Food Science</b>	2A	2A/B/C and 8A/B or 118A/B/C
<b>Global Disease Biology</b>	2A/B/C	2A/B/C and 8A/B or 118A/B
<b>Human Development</b>	2A or 10 (see college advisor)	—
<b>Hydrology</b>	2A/B	2A/B/C
<b>International Agricultural Development</b>	2A/B and/or Plant Sciences 2*	2A/B *
<b>Landscape Architecture</b>	2A or 10 or Plant Sciences 2	See General Catalog
<b>Managerial Economics</b>	—	—
<b>Marine and Coastal Science</b>	2A/B/C	2A/B/C
<b>Nutrition Science</b>	2A/B/C	2A/B/C and (8A/B or 118A/B or 128A/B/129A)
<b>Plant Sciences</b>	2A/B and Plant Sciences 2	2A/B/C and 8A/B or 118A/B/C
<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)
<b>Sustainable Environmental Design</b>	2A/B	See General Catalog
<b>Viticulture and Enology</b>	2A and Plant Sciences 2	2A/B/C and 8A/B
<b>Wildlife, Fish and Conservation Biology</b>	2A/B/C	2A/B and 8A/B

### Undeclared/Exploratory Program

Determined by area of interest. Students can consult with dean's office advisors or intended major advisors to discuss preparation based on interests.

Computer Science	Math	Physics	Statistics
—	16A/B or 17A/B or 21A/B	7A/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
—	16A/B or 17A/B or 21A/B	—	Statistics 100 or Plant Sciences 120
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
Computer Science Engineering 36A or course selected with advisor's approval	21A/B/C/D and 22A/B	9A/B/C	Statistics 13
—	16A/B or 17A/B or 21A/B	7A/B	Statistics 100 or Plant Sciences 120
—	Check with major advisor	—	Statistics 13
Plant Sciences 21 or Computer Science Engineering 15	—	—	Sociology 46B or Statistics 13 or 32
—	16A/B or 17A/B or 21A/B	1A/B or 7A/B/C	Plant Sciences 120
—	16A/B/C or 17A/B/C or 21A/B/C	1A/B	Statistics 13 or 32 or 100 or Plant Sciences 120
—	16A or Statistics 13	1A/B	Statistics 13 or Math 16A
Plant Sciences 21 or Communication 12Y	16A/B or 17A/B or 21A/B	1A	Statistics 13 or 32
—	16A/B or 17A/B or 21A/B	7A/B/C or 1A/B	Statistics 13 or 100 (Statistics 100 recommended)
—	17A/B/C or 21A/B/C	7A/B/C	Statistics 100 or 102 or 103 or 104 or 106 or 108
—	16A/B/C	7A/B/C	Statistics 100
—	17A/B/C or 21A/B/C	7A/B	Statistics 13 or 100
—	—	—	Psychology 41 or Sociology 46A/B or Statistics 10 or 13
Engineering 6	21A/B/C/D and 22A/B	9A/B/C	Statistics 130A/B or Civil and Environmental Engineering 114
—	16A/B *	*	Statistics 13 or Plant Sciences 120 or Sociology 46B *
See General Catalog	See General Catalog	See General Catalog	See General Catalog
Plant Sciences 21 or Computer Science Engineering 10 or 15 or 30	16A/B/C or 21A/B	—	Statistics 13 and 103
—	16A/B/C or 17A/B/C or 21A/B/C (see college advisor)	7A/B/C or 9A/B/C	Statistics 100
—	16A/B or 17A/B (Biology option only)	1A/B or 7A/B (Biology option only)	Statistics 13 or 100 or Plant Sciences 120 and Sociology 46A or Psychology 41
—	16A/B or 17A/B	1A/B or 7A/B/C	Plant Sciences 120
—	16A/B *	1A (Agriculture and Ecology track only)	See General Catalog
See General Catalog	See General Catalog	See General Catalog	See General Catalog
Plant Sciences 21	16A/B	1A/B or 7A	Statistics 106 or Plant Sciences 120
—	16A/B	1A/B	Statistics 100 or 102 or Plant Sciences 120 or Wildlife 130 (WFC 103)

\* 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).

\*\* For Environmental Toxicology there is also a writing requirement, Writing 101 or 104 A-1.



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