

# Majors and Minors

At the College of Agricultural and Environmental Sciences, you can explore all the elements that make our world a safe and sustainable place to live.

Choose from any of our 27 majors and 39 minors, including an exploratory/undeclared option. You will be learning from today's top scientists and faculty at an internationally-recognized university with outstanding academics and a diverse and 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
Agricultural and Environmental Technology

**Animal Biology** 

**Animal Science** 

**Animal Science and Management** 

Atmospheric Science

Biotechnology

**Clinical Nutrition** 

Community and Regional Development

Entomology

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

Atmospheric Science

**Avian Sciences** 

Climate Science and Policy

**Community Development** 

**Community Nutrition** 

Contemporary Leadership

Environmental Horticulture

**Environmental Policy Analysis and** 

Planning

**Environmental Toxicology** 

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



# 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 communications
- · Agriculture curriculum writer
- Agricultural extension educator
- Agricultural sales and/or marketing
- Community organizer/advocate
- Environmental science educator
- High school agricultural education teacher
- Museum educator/docent/outdoor education specialist
- · 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/ academics/undergrad/majors/ agri-enviro



# Agricultural and Environmental Technology

Bridge the disciplines of agriculture, management, technology and applied engineering, while integrating technology, leadership and design to solve complex problems in agricultural and environmental sciences. Integrate the next generation of technologies, such as the Internet of Things (IoT), robotics, digital technology, Al and machine learning for more advanced, efficient and sustainable food, fiber and energy production.

#### Careers:

- · Business manager
- Energy conservation specialist
- Environmental consultant
- Extension associate
- · Farm owner/manager
- · Plant supervisor
- · Precision ag/specialist
- · Product manager
- · Tech entrepreneur
- · Technology integrator

## Specializations:

- Bioproducts and Wearable Technologies
- · Digital Agriculture
- Energy and Environmental Technologies

# **Contact Information:**

2030 Bainer Hall 530-752-0102 baeadvising@ucdavis.edu bae.ucdavis.edu



## **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 professional
- Professor
- Research scientist
- · Teacher/educator
- Veterinarian
- Zookeeper/zoo manager

#### **Contact Information:**

160 Hutchison Hall 530-754-7277 abi-advising@ucdavis.edu abi.ucdavis.edu



#### **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
- · Animal nutritionist
- · Animal research scientist
- · Animal health representative
- Aquaculturist
- Farmer/rancher
- · Federal/state inspector
- Government liaison/extension animal industries
- · Pharmaceutical/veterinary sales
- 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/ academics/undergrad/majors/ansci



# 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/ academics/undergrad/majors/ ansci-mgmt



# **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
- Biomanufacturer
- Biomedical engineer
- Food scientist
- · Genetic counselor
- Microbiologist
- Molecular biologist
- Physician
- Plant breeder

#### Specializations:

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

#### **Contact Information:**

1220 Plant and Environmental Sciences Building plsadvising@ucdavis.edu 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

# Your studies may take you

from high-tech laboratories and classrooms, to fields and orchards brimming with fruits and veggies,

to VOlunteering in community shelters or child development labs, to barns active with newborn animals.



# Community and Regional Development

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

#### Careers:

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

## Specializations:

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

# Contact Information:

1303 Hart Hall 530-752-2244 humanecology.ucdavis.edu/ community-and-regional-development



#### **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 160 Hutchison Hall 530-754-7277 entomology.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 analystTransportation 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



# **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 educator
- Environmental impact specialist
- Environmental scientist
- Geographic Information Systems (GIS) analyst
- Natural resource manager
- Soil scientist
- · Watershed manager

# Specializations:

- Climate Change and Air Quality
- Ecology, Biodiversity and Conservation
- Environmental Data Science
- Natural Resource Management
- Soils and Biogeochemistry

# • Watershed Science

Contact Information: 2134 Wickson Hall 530-752-7183 esmadvising@ucdavis.edu esm.ucdavis.edu

or 1150 Plant and Environmental Sciences 530-752-1603 esmadvising@ucdavis.edu esm.ucdavis.edu



#### **Environmental Toxicology**

Discover how chemicals are released, transported and transformed in the environment and in organisms. Explore the health and performance effects of toxicants and other chemicals on humans and wildlife. Understand how we devise strategies to monitor and regulate the use of industrial or commercial chemical products.

#### Careers:

- · Environmental chemist
- · Environmental consultant
- Environmental policy advisor/ attorney
- · Forensic scientist
- Occupational health and safety manage/biohazard specialist
- Pharmacist/pharmaceutical scientist
- Physician/health care professional
- Public health scientist
- Research scientist/technician
- Risk assessment analyst

#### Specializations:

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

#### **Contact Information:**

1086 Academic Surge 530-754-9796 etoxadvising@ucdavis.edu 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 manager
- · Law and compliance specialist
- Manufacturing and packaging design engineer
- · Quality control specialist
- · Research chef
- Research and product development scientist
- · Sensory scientist
- · Toxicologist/safety expert

#### Specializations:

Brewing Science

#### **Contact Information:**

1204 Robert Mondavi Institute– South Building 530-752-3250 bftvadvising@ucdavis.edu foodscience.ucdavis.edu



# **Global Disease Biology**

Recognize and solve diseaserelated challenges on a local and global scale by studying the health connections between people, animals, plants and the environment through the One Health model.

#### Careers:

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

#### **Contact Information:**

150 Hutchison Hall 530-754-2281 gdb-advise@ucdavis.edu 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 humanecology.ucdavis.edu/ academic-planning-resources

Our research

contributes to the livelihood of farmers, environmentalists, ranchers, conservationists, rural, suburban and city dwellers in California and worldwide.



## Hydrology

Be immersed in the occurrence, distribution, movement, management and properties of water and its relationship with the environment. Apply scientific knowledge and mathematical principles to solve water-related problems in society: problems of quantity, quality and management.

#### Careers:

- · Hydrologist
- · Environmental scientist
- · Floodplain manager
- Groundwater hydrologist
- · Irrigation engineer
- Limnologist
- Water policy analyst
- Water quality specialist
- Water manager

#### **Contact Information:**

1150 Plant and Environmental Sciences Building 530-752-1603 lawradvising@ucdavis.edu lawr.ucdavis.edu



# International Agricultural Development

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

#### Careers:

- · Agricultural project manager
- · Business manager
- · Community organizer/advocate
- · Corporate sustainability officer
- · Educator/trainer
- · 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:

1220A Plant and Environmental Sciences Building plsadvising@ucdavis.edu plantsciences.ucdavis.edu/ undergraduate/internationalagricultural-development-iad



# **Landscape Architecture**

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

#### Careers:

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

#### **Contact Information:**

135 Hunt Hall 530-754-8628 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
- Analyst
- Entrepreneur
- Environmental planner
- · Financial services consultant
- · International consultant
- Manager
- Marketing/sales manager
- Real estate broker
- · 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@ucdavis.edu manecon.ucdavis.edu

# We work together

to address climate change, conserve habitat

and make sure all people have access to the food, space and hope they need to thrive.



#### **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-advisors@ucdavis.edu eps.ucdavis.edu/mcs



#### **Nutrition Science**

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

#### Careers:

- Physician
- · Community nutritionist
- Educator
- · Food scientist
- · Laboratory researcher
- Nurse
- · Nutrition policy analyst
- Pharmacist
- · Physician assistant
- · 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, develop and function in agricultural ecosystems, urban environments and natural and managed wildlands, and how plant products are utilized for food, fiber and environmental enhancement.

#### Careers:

- · Certified arborist
- · Crop safety specialist
- Environmental restoration consultant
- Greenhouse/indoor plant production specialist
- Pest and weed control advisor
- Plant breeder
- Plant geneticist
- Precision agriculture specialist
- Rangeland manager
- Sustainable plant production specialist
- Urban green space developer

#### Specializations:

- Crop Production and Agroecology
- Crop Quality and Safety
- Ecological Management and Restoration
- Environmental Horticulture and Urban Landscape Management
- Plant Breeding, Genetics and Genomics
- Plant Informatics
- · Plant Sciences Individual Option

## 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 manager
- International development practitioner
- 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 530-752-1603 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, interdisciplinary leadership and application of design and planning strategies to create more livable, equitable and ecologically sound communities and regions.

#### Careers:

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

# **Contact Information:**

135 Hunt Hall 530-754-8628 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 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

#### Specializations:

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

# **Contact Information:**

1086 Academic Surge 530-754-9796 wfcbadvising@ucdavis.edu 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 caes.ucdavis.edu



# **CA&ES Undergraduate Academic Programs** 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 and Aggie Jumpstart, 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.

# Internships

#### icc.ucdavis.edu

Many CA&ES students explore potential careers through internships both on and off campus. Our college offers opportunities for students to build on classroom learning in our animal facilities, greenhouses, laboratories and at 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.

# Career Discovery Groups caes.ucdavis.edu/students/cdg

Career Discovery Groups, a partnership between the College of Agricultural and Environmental Sciences and the Internship and Career Center, give first-year and new transfer students an opportunity to explore career possibilities and make academic choices for future success.

# **Aggie Jumpstart**

## caes.ucdavis.edu/students/aggie-jumpstart

Aggie Jumpstart is a 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 the barriers that many first generation, low-income and underserved students experience. The program also provides students with a network of UC Davis staff, faculty and other campus communities.

# Leadership opportunities

# **Aggie Ambassadors**

# caes.ucdavis.edu/students/clubs/aa

Aggie Ambassadors take an active role in promoting the College of Agricultural and Environmental Sciences to potential students, peers, the campus community and outside communities. Members serve as student ambassadors and work to improve their leadership development and communication skills by participating in student panels, college workshops, and engaging with prospective K-12 students and community college transfers.

## **MANRRS**

#### caes.ucdavis.edu/students/clubs/manrrs

MANRRS at UC Davis offers students the chance to enhance leadership, organizational and public speaking skills and receive critiques of scholarly work in a supportive environment. MANRRS is changing the face of agriculture, natural resources and related sciences by providing industry with a diverse pool of talented leaders. The program connects students to career and networking opportunities that can help them advance within highly competitive fields.

# Preparatory subject matter at a glance

This chart shows some lower division prep course work across our 27 majors. Many of our majors' lower division preparatory 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 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

\*Required courses for this subject vary by specialization within the major. See additional information in the General Catalog at catalog.ucdavis.edu.

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

|  | Biological Science   | Chemistry                                       |
|--|--|---|
| Agricultural and Environmental Education   | 2A/B   | 2A/B  |
| Agricultural and Environmental Technology  | _  | 2A/B  |
| Animal Biology                             | 2A/B/C   | 2A/B/C and 8A/B or 118A/B                       |
| Animal Science                             | 2A/B/C   | 2A/B and 8A/B or 118A/B                         |
| Animal Science and Management              | 2A/B/C   | 2A/B and 8A/B or 118A/B                         |
| Atmospheric Science                        | Plant Sciences 2   | 2A/B  |
| Biotechnology                              | 2A/B/C   | 2A/B/C and 8A/B or 118A/B/C or<br>128A/B/C/129A |
| Clinical Nutrition                         | 2A/B   | 2A/B/C and 8A/B                                 |
| Community and Regional Development         | _  | _   |
| Entomology                                 | 2A/B/C   | 2A/B  |
| Environmental Policy Analysis and Planning | 2A or 2B or 10   | 2A or 10  |
| Environmental Science and Management       | 2A/B/C   | 2A/B  |
| Environmental Toxicology**                 | 2A/B/C   | 2A/B/C and 118A/B/C or 128A/B/C/129A            |
| Food Science                               | 2A   | 2A/B/C and 8A/B or 118A/B/C                     |
| Global Disease Biology                     | 2A/B/C   | 2A/B/C and 8A/B or 118A/B                       |
| Human Development                          | 2A or 10, MIC 10, MCB 10, NBP 10 or 12 (See General Catalog) | _   |
| Hydrology                                  | 2A/B   | 2A/B/C  |
| International Agricultural Development     | 2A/B and/or Plant Sciences 2 *                               | 2A/B*   |
| Landscape Architecture                     | 2B   | See General Catalog                             |
| Managerial Economics                       | _  | _   |
| Marine and Coastal Science                 | 2A/B/C   | 2A/B/C  |
| Nutrition Science                          | 2A/B/C   | 2A/B/C and (8A/B or 118A/B or 128A/B/129A)      |
| Plant Sciences                             | 2A/B and Plant Sciences 2                                    | 2A/B/C and 8A/B or 118A/B/C                     |
| Sustainable Agriculture and Food Systems   | 2A or 10 (2A/B for Agriculture and Ecology track only)       | (2A/B for Agriculture and Ecology track only)   |
| Sustainable Environmental Design           | 2B   | See General Catalog                             |
| Viticulture and Enology                    | 2A and Plant Sciences 2                                      | 2A/B/C and 8A/B                                 |
| Wildlife, Fish and Conservation Biology    | 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.