Agricultural Biology

College of Agricultural Sciences

Calling all insect investigators, plant doctors, and weed warriors! The Agricultural Biology major equips students with a strong scientific foundation with the option to choose from three distinct concentrations - **Entomology, Plant Pathology, and Weed Science** - to tackle the world's most pressing challenges in food production, ecosystem health, and sustainability.

Through a blend of biology, ecology, and agriculture coursework, students explore the intricate relationships among microbes, insects, and plants in both natural and managed systems. Students learn to apply systems thinking and sustainable practices to protect ecosystems and secure global food and natural resources. A key to career success in this field is building strong relationships throughout your college/career journey (networking) and gaining hands-on experience through experiential learning.

Entry Level Employers

- USDA Animal and Plant Health Inspection Service
- USDA Agricultural Research Service
- Trimble
- Summit Plant Laboratories
- Science Matters
- Designs by Sundown
- Colorado State University
- Botanical Gardens
- Colleges & Universities
- The Davey Tree Expert Company

Entry Level Job Titles

- Laboratory Technician
- Technical Support
- Biological Science Aide
- Plant Health Care Technician
- Education and Outreach Coordinator
- Instructor
- Plant Healthcare Technician
- Research Assistant/Associate
- Entomologist/Educator

Mid-Level Positions

May require more experience or education

- Extension Entomologist
- Research Scientist
- Assistant Professor
- Pesticide Safety Manager
- Lab Manager
- Senior Agronomist
- Plant Pathologist & Diagnostician
- Noxious Weed Program Manager
- Herbicide Biologist

Many more career pathways exist beyond these examples, which include a mix of verified roles held by CSU grads and common career paths.

Earning Potential & Financial Wellbeing

Typical earnings for Bachelor's degree holders are **86% higher** than those with a high school diploma.

87% of Bachelor's degree holders report **financial wellbeing** (20 points higher than groups with any other level of education).

Median lifetime earnings are **$1.2 million** higher for bachelor's degree holders.

Source: APLU

Explore Major-Specific CSU Alum Live Career Data:
https://col.st/omby6

Gaining Experience

Learning through direct experiences and active engagement is called **experiential learning**.

These opportunities help you build **CSU Career Competencies** - skills employers highly value across all industries.

Internship Possibilities

CSU Extension Internships

Agronomy Foundation Seed

Simplot

Corteva Agriscience

Syngenta

Growing Gardens

C.P. Gillette Museum of Arthropod Diversity

Butterfly Pavilion

Gardens on Spring Creek

On-Campus Employment

On-campus employment helps you build your network and develop career competencies while earning money.

Apply for on-campus employment year-round on Handshake.

Ag Bio Student Story

Research Opportunities

CAS Undergraduate Research Fellowship

Get involved with MURALS, CURC, or CSU OURA Lab

Research and Extension Experiences for Undergraduates

Get involved with campus labs

How to find a research experience in science

More experiential learning opportunities for Ag Bio students

Volunteer with the Bug Zoo or CP Gillette Museum of Arthropod Diversity

Wheat Field Days in June

Enroll in AB 505 Exploring Colorado Ag Systems – Visit all Ag Experiment Stations (summer)

Join Entomology Club and other clubs, orgs and competitive teams.

Study abroad with PURPAN Agriculture & Food Science Summer Program in Toulouse, France

Current Students - connect with your college Career Team!

https://col.st/KAJ7X

Sam Holtshouser
Career Education Manager
She/Her/Hers

Nickey Pietila
Career Education Coordinator
She/Her/Hers

Schedule an appointment!

https://col.st/BHYqD

COLORADO STATE UNIVERSITY
CAREER CENTER
COLLEGE OF AGRICULTURAL SCIENCES