



Agriscience & Sustainable Agriculture

Agriculture & Natural Resources Industry

Program Overview

Agriscience Sustainable Agriculture Pathway teaches students eco-friendly farming practices, focusing on soil health, water conservation, and sustainable crop production. With hands-on experience in modern agriculture, students will explore cutting-edge techniques that prepare them for careers in sustainable farming, environmental science, and agricultural innovation.



Course Sequence

Sustainable
Ag Bio



Ag Earth or
Chem/Ag Science



Ag Advanced
Ag Science

Student Experiences

Students engage in **real-world hands-on learning of advanced science through an Agricultural lens.**

- Experience an interdisciplinary approach to lab science and research with agricultural management principles
- Design systems and experiments to solve agricultural management issues
- Hands-on experiences address real-world Ag Industry challenges

Membership in **Future Farmers of America (FFA)** with the opportunity to compete in Career Development Event competitions as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.

College & Career Ready

Students develop **essential professional skills** in communication, critical thinking, teamwork, leadership, and work ethic essential for careers in Ag. Students can demonstrate readiness by:

- Conducting an agriscience experimental research project in which students design and conduct an experiment to solve a relevant issue.
- Exploring a connection the products created in this pathway with industry activities to link real world challenges demanded by both colleges and careers

Students will be prepared to participate in an **jobs or internships** with local businesses. Students earn **UC/CSU "D" science credit** and are prepared to enter a **degree program** in Agriculture and Horticulture.



Pathways to Success!