

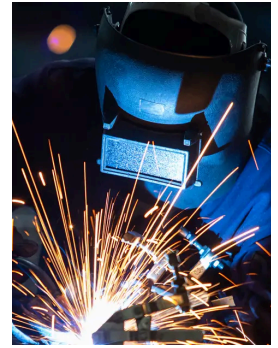


Agriculture Mechanics

Agriculture & Natural Resources Industry

Program Overview

The Agricultural Mechanics Pathway offers hands-on experience with cutting-edge tools and technologies. This pathway is ideal for individuals who enjoy working with their hands and exploring the fields of agricultural fabrication, technology, machinery, and structure.



Course Sequence

Ag Mechanics → Ag Welding 1 → Ag Welding 2

Student Experiences

Ag Mechanics Pathway completers are involved in **real-world learning experiences that teach them:**

- Various trades such as plumbing, electrical, cold metal, construction, small engines, & welding.
- Welding processes of SMAW, GMAW, Oxy-Fuel, and GTAW.
- Basic fundamentals of fabrication.
- Completing various projects including a small & large welding project.

Membership in **Future Farmers of America (FFA)** with the opportunity to complete an SAE project and participate in regional, state, and national competitions.

College & Career Ready

Students develop **essential professional skills** in communication, critical thinking, teamwork, leadership, and work ethic. Students can earn industry certifications including OSHA, Miller, and Forklift certifications.

As a part of this pathway, students will participate in FFA activities/events throughout the year and complete a Supervised Agricultural Experience (SAE project).

Learners emerge with project portfolios to present to future employers that exhibit skills learned and projects completed.



EHS Pathways to Success!