

Career & Technical Education

Agricultural Technology & Mechanical Systems

Level 1 • Principles of Agriculture, Food, & Natural Resources

Level 2 • Agricultural Mechanics & Metal Technologies

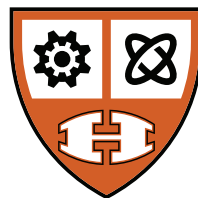
Level 3 • Agricultural Structures Design & Fabrication

Level 4 • Agricultural Equipment Design & Fabrication
• Practicum in Agriculture, Food, & Natural Resources

Certification(s)

- AWS D1.1 Structural Steel

Student Organization



**CAREER & TECHNICAL
EDUCATION** HUTTO ISD

AGRICULTURE

Course Information - Agricultural Technology & Mechanical Systems

Course Title	Credits	Prerequisites	Course Description
Principles of Agriculture, Food, & Natural Resources	1.0	None	Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.
Agricultural Mechanics & Metal Technologies	1.0	None	Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.
Agricultural Structures Design & Fabrication	2.0	None	In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.
Agricultural Equipment Design & Fabrication	2.0	None	In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.