

## CAREER & TECHNICAL EDUCATION

# AGRICULTURE TECHNOLOGY & MECHANICAL SYSTEMS

The Applied Agricultural Engineering program will prepare students for entry-level employment in the welding and the metal fabrication industry. Also, it will prepare them for welding schools so they can specialize in a specific area.

This program teaches theory and processes. Teaching and grading is mainly project based. SMAW welding, MIG welding, plasma arc cutting, oxy-acetylene cutting, propylene cutting, and how to use most of the metal working tools is stressed. Emphasis for this program is on making students employable and successful.

This program of study is for students who maybe prefer or need project based learning. Students have the opportunity to compete in contests. Some of these shows are San Antonio, Houston and local county shows.

## CERTIFICATION

American Welding Society  
D.1.1 Welding Certification

## STUDENT ORGANIZATION

FFA

Grade Level	COURSE NAME
9	Principles of Agriculture
10	Agricultural Mechanics & Metal Technologies
11	Agricultural Equipment Design and Fabrication
12	Practicum in Agriculture Mechanics

