Metal Fabrication for the Agricultural Industry - 0153

Topics include oxyacetylene and MIG welding techniques including cutting, brazing, and welding; Fabrication techniques and project design including estimating and developing materials list. Tool room management and safety procedures are essential to the course.

AGRICULTURAL MECHANICS

Identifying Basic Areas of Agricultural Mechanization

Identifying Hazards in Agricultural Mechanics

Using Personal Safety in Agriculture

The Impact of Technological Advances in Agricultural Mechanics

Basic Physical Science Laws Applied to Agricultural Mechanics

Understanding Construction Codes

Careers in Agricultural Mechanics and Technology Systems

Identifying Metals and their Physical Properties

Applying Cold Metalworking Techniques

Applying Fuel Gas Welding

Using Metal Cutting Processes and Techniques

Applying Shielded Metal Arc Welding Techniques

Applying Metal Inert Gas Welding Techniques

Applying Tungsten Inert Gas Welding Techniques

Developing Goals

Workforce Readiness (Employability Skills)

Obtaining Education for a Job

Identifying Occupational Competencies

Finding a Job

Applying for a Job

Writing a Resume for a Job

Succeeding in a Job Interview

Understanding Conflicts and their Resolution

AGRIBUSINESS MANAGEMENT

Understanding the Organization of an Agribusiness

Preparing Business Goals and a Plan

Establishing an Agribusiness

Understanding Personal Finances and Goals

Understanding the Concept of Borrowing Money

Determining Sources of Credit

Calculating Interest Rates

Understanding Record Keeping

Insuring the Agribusiness