

# CAREER & TECHNICAL EDUCATION AGRICULTURE MECHANICS

In the Agriculture Mechanics Pathway, students learn all about metal fabrication, engine and power systems, energy, electrical, and irrigation systems.

As they work in the shop, students gain hands-on experience as they build and create metal and workshop projects to compete across the state in the Future Farmers of America organization for sweepstakes and scholarship awards. In addition, students also work toward the National Center for Construction Education and Research (NCCER) certifications through Navarro College.

#### CAREERS IN AGRICULTURE MECHANICS

### **TECHNICAL CAREERS**

(Apprenticeship, Associate's Degree, Advanced Certification, Experience, etc.)

Advanced Process Welder Machine Programmer CNC Machine Technician Safety Inspector Welding Inspector

## PROFESSIONAL CAREERS

(Bachelor's, Master's, Ph.D., Specialized Training, Experience, etc.)

Structural Designer
Agricultural Engineer
CNC Programmer
Manufacturing Engineer
Component Drafter

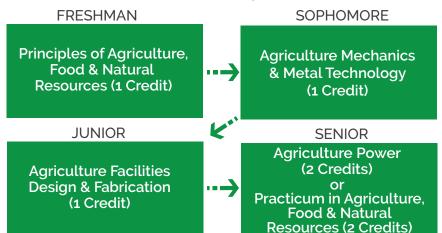
## **AGRICULTURE MECHANICS**

## **COURSE SEQUENCE**

**CLUSTER**: Agriculture, Food & Natural Resources

**CAMPUS: MHS & MHHS** 

**ENDORSEMENT:** Business & Industry



### **ADDITIONAL COURSE OPTIONS**

Agribusiness Management & Marketing (1 credit)

\*Equine Science (1 credit)

\*Advanced Animal Science (1 credit)

Ag Mechanics (1 credit)

Landscape Design (1 credit)

Business Management (1 credit)

Digital Media (1 credit)

Graphic Design (1 credit)

BIM (1 credit)

Virtual Business (0.5 credit)

HR Management (0.5 credit)

Advertising (0.5 credit)

Social Media Marketing (0.5 credit)

Entrepreneurship (1 credit)

\*Business English (1 credit)

\*Political Science (1 credit)

\*Financial Math (1 credit)

\*Forensic Science (1 credit)

\*Medical Microbiology (1 credit)

Professional Communications (0.5 credit)

## MIDLOTHIAN ISD

<sup>\*</sup>Course also fulfills graduation requirement for English, Math, Science, Social Studies or Fine Arts.