

## AEMT Course Description

*Agricultural Equipment Maintenance and Technology* (AEMT) is a capstone-level course designed to provide students with the skill needed to enter the agricultural technician career field. Throughout the course, students develop technological competencies through rigorous hands-on experiences in the classroom. Students will learn how electrical, fluid, diesel, precision, and mechanical systems function. Then they will use their mechanical skills to identify and communicate the cause and correction of equipment failures. The course will expose students to the newest agricultural technologies that support equipment industries while connecting them with future employers.

The *Agricultural Equipment Maintenance and Technology* course includes the following topics.

- Mechanical System Design
- Safety
- Drivetrains
- Electrical Systems
- Precision Agriculture
- Hydraulics
- Diesel Technology
- Machine and Equipment Maintenance
- Repair and Work Order Completion
- Customer Service