UACCM **CAREER CENTER**

DIESEL TECHNOLOGY

The Diesel Technology program will prepare students for a career as a Diesel Service technician. The program focuses on the fundamentals of design, repair, and preventative maintenance of diesel engines and basic diesel systems. These systems include, engine performance, cooling systems, lubrication systems, induction exhaust and after-treatment systems, hydrostatic transmissions, charging systems, heavy-duty torque converters, power train principles, heavy-duty clutches, transport refrigeration, brake air systems, steering alignment. Technical skills will also be developed in advanced diagnostics and repair of engine and system controls. Students completing this program will be prepared to demonstrate knowledge of the skills necessary to diagnose, service, and repair different systems of Class 4 through Class 8 trucks and tractors.

Students have the opportunity to earn ASE Student Certifications in 4 different content areas: Diesel Engines, Electrical/Electronic Systems, Brakes, and Steering & Suspension.

1ST FALL SEMESTER

- AMST 11031 Understanding OSHA Regulations Basic (1 hr)
- CPSI 10003 Introduction to Computer (3 hrs)
- DIEL 10002 Career Readiness (2 hrs)
- DIEL 10033 Preventative Maintenance and Inspection (3 hrs)

1ST SPRING SEMESTER

- ASTE 10203 Automotive Electrical Systems (3 hrs)
- DIEL 12003 Gas and Diesel Engines Systems (3 hrs)

2ND FALL SEMESTER

- ENGL 10103 Applied Technical Math (3 hrs)
- DIEL 13003 Diesel Electronic Systems (3 hrs)

2ND SPRING SEMESTER

- AMST 20033 Hydraulics and Pneumatics (3 hrs)
- DIEL 29003 Diesel Internship I (3 hrs)
- ENGL 10083 Applied Technical Writing (3 hrs)

Certificate of Proficiency (15 hrs) and Technical Certificate (30 hrs) awarded upon successful completion of the coursework listed above.

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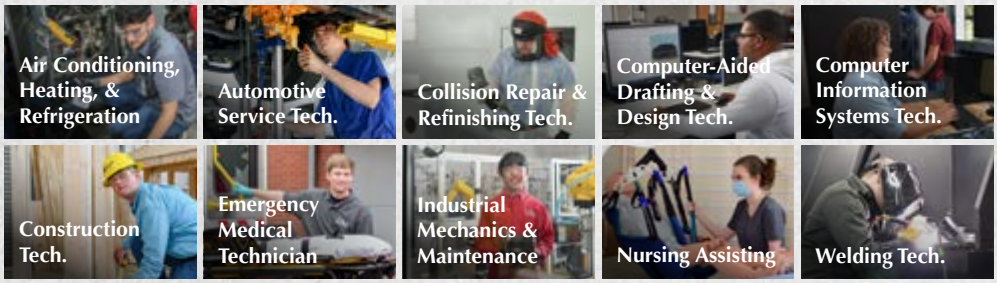

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BENEFITS

- Earn Credentials Valued by Employers While in Grades 10 through 12
- Tuition, Fees, and Supplies for Technical Courses Paid Through the Office of Skills Development
- Hands-On Training with State-of-the-Art Equipment

UA Community College MORRILTON