

AUTOMOTIVE MAINTENANCE

Certificate of Proficiency

30638

Advisor: Lloyd Adams

This certificate is designed to provide basic automotive skills training needed to be efficient at performing vehicle preventative maintenance procedures. This training program provides students with an opportunity to take the first step towards entry into an automotive repair career. This short-term program of study will help prepare students for ASE certification examinations.

Program Learning Outcomes

1. Demonstrate the ability to properly service and maintain vehicle engines, steering and suspension systems, electrical systems, brake systems, drivetrain systems, automatic transmissions, and computerized systems.
2. Demonstrate vehicle system foundation knowledge by successfully passing each subject's ASE student certification examination given by program proctor.
3. Demonstrate an ability to properly use both PC-based and handheld computerized diagnostic equipment.
4. Demonstrate knowledge in the use and application of both printed and web-based service and repair information.
5. Demonstrate ability to safely and properly use automotive hand tools and lift equipment.
6. Apply work professionalism habits in the work environment (being punctual, dependable, and following instructions).

Curriculum Requirements

AUT 101	Introduction to Automotive Technology OR	
AUT 180	Automotive Service Techniques	2 to 4 credits
AUT 105	Automotive Electrical Fundamentals	2 credits
AUT 107	Automotive Electrical Systems and Equipment	2 credits
AUT 110	Fuel and Emission Systems	3 credits
AUT 131	Steering and Suspension Systems OR	
AUT 266	Vehicle Heating and Air Conditioning	3 credits
AUT 132	Automotive Brake Systems	2 credits
AUT 280	Advanced Shop	4 credits
Total Minimum Certificate Requirements		18 credits