

AUTOMOTIVE TECHNICIAN

Certificate of Proficiency

30605

Advisor: Lloyd Adams

The Automotive Technician certificate program is designed to provide in one year much of the basic automotive skills training needed to be productive in an automotive service facility. Additionally, this certificate will help prepare the student for ASE certification tests.

Program Learning Outcomes

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

Curriculum Requirements

AUT 101	Introduction to Automotive Technology	4 credits
AUT 105	Automotive Electrical Fundamentals	2 credits
AUT 107	Automotive Electrical Systems and Equipment	2 credits
AUT 110	Fuel and Emission Systems	2 credits
AUT 131	Steering and Suspension Systems	3 credits
AUT 132	Automotive Brake Systems	2 credits
AUT 220	Automotive Electronics and Computerized Vehicle Controls OR	
AUT 260	Vehicle Performance and Diagnosis	2 to 3 credits
AUT 266	Vehicle Heating and Air Conditioning	3 credits
WLD 101	Welding	3 credits

Total Curriculum Requirements

23 to 24 credits

In addition to the required courses above, select from the following Curriculum Related courses to complete a total of 30 credits.

AMT 101	Fundamentals of Machining	3 credits
AMT 104	Machining and Fabrication	3 credits
AUT 106	Internal Combustion Engines	4 credits
AUT 120	Manual Transmission and Drive Train	3 credits
AUT 180	Automotive Service Techniques	2 credits
AUT 230	Automatic Transmissions	4 credits
AUT 299	Independent Study	1 to 3 credits
WLD 108	Welding and Metal Fabrication	3 credits

WLD 124	MIG Welding	3 credits
WLD 201	Repair Welding and Fabrication	3 credits
Total Minimum Certificate Requirements		30 credits