

AUTOMOTIVE LIGHT REPAIR CERTIFICATE

Division: Career Technical Education

PROGRAMCODE: 2C40654

The Automotive Light Repair Certificate is designed to provide the student with entry level employment skills needed in the areas of automotive repair that have a high volume of regular service and maintenance. Students will learn to diagnosis, service, and repair electrical and lighting systems, heating and air conditioning systems, brake systems, wheels and tires, suspensions, and wheel alignment. A student can seek employment in new car dealerships, specialty repair shops, and franchise automotive repair facilities as a lube technician, A/C technician, brake repair technician, or a wheel alignment technician. This certificate requires a total of 24 units. A grade of C or better is required in each course taken.

Code	Title	Units
Required Courses (24 units):		
AUTO 140 F	Automotive Suspension and Wheel Alignment (formerly AUTO 083 F)	8
AUTO 150 F	Automotive Brake Systems (formerly AUTO 073 F)	7
AUTO 160 F	Automotive Electrical and Electronic Systems (formerly AUTO 065 F)	5
AUTO 170 F	Automotive Heating and Air Conditioning (formerly AUTO 089 F)	4
Total Units		24

Program Level Student Learning Outcomes

OUTCOME 1: Identify and practice safe work habits when using tools and equipment in an automotive repair shop.

OUTCOME 2: Inspect, identify, and repair vehicle malfunctions following manufacturer specifications and procedures.

OUTCOME 3: Using a vehicle repair order, explain and record vehicle inspection and repair procedures performed in compliance with automotive industry standards.

OUTCOME 4: Perform a wide array of vehicle preventative maintenance, service, and repair procedures related to electrical and lighting systems, heating and air conditioning systems, brake systems, suspensions, wheels and tires, and wheel alignment.

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