

Diesel Mechanic

KCC program code:

AUTO.MCRT.C31A

Certificate

Subject:

Diesel Mechanic

Program Overview

This program builds skill sets within the growing diesel repair and service industry. Students take part in a combination of in-class, lab, and on-site experiences. Upon completion, students will be able to perform general service of major diesel vehicle and equipment components. Coursework also includes diagnostics as well as using tools to repair vehicles and equipment.

Program Learning Outcomes

- Demonstrate an understanding of the construction and function of major diesel vehicle and equipment components.
- Perform general service of major diesel vehicle and equipment components.
- Diagnose mechanical malfunctions and performance problems.
- Evaluate the disposition of worn parts (i.e., “usable as is,” “should be reconditioned or replaced,” etc.).
- Operate precision diagnostic tools to repair vehicles and equipment.
- Interpret electronic and paper repair manuals.
- Demonstrate good public relations with customers, fellow employees, and the employer.
- Model best practices in shop operations.
- Assess overhead and labor costs in relation to profit and shop cost-saving solutions.
- Display professionalism on the job.

Requirements

Program-Specific Courses

Course Code	Course Title	Credits
DESL 1003	Diesel Fundamentals	3
DESL 1013	Diesel Brakes	3
DESL 1023	Diesel Electrical	3
DESL 1033	Diesel Steering and Suspension	3
DESL 1043	Diesel Transmissions	3
DESL 1053	Diesel Engines and Repairs	3
	Total Credits	18