

Auto/Diesel Mechanic

KCC program code:

AUTO.MCRT.C31B

Certificate

Subject:

Diesel Mechanic

Program Overview

This certificate was created to offer coursework in both internal combustion engine basics as well as diesel basics, creating a well-rounded entry level mechanic or assistant. It is specifically for Kankakee Area Career Center students to be able to transition to either an Automotive Technology or Diesel Technology program at KCC.

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
AUTO 1064	Internal Combustion Engines	4
AUTO 1073	Vehicle Electrical Systems I	3
	Total Credits	13