

DIESEL MECHANICS TECHNOLOGY

Career Studies Certificate

Purpose: This program is designed to introduce the fundamentals of diesel equipment repair and provide instruction in hydraulic systems, diesel engine overhaul and tune-up, electrical circuits, power train maintenance and fuel injection. Graduates will have a practical background in basic diesel equipment technology principles. The curriculum provides practical training and the option of on-the-job experience through cooperative education.

Occupational Objectives: The Diesel Mechanics Technology Career Studies Certificate curriculum prepares graduates for employment in any of the following occupations: Diesel Equipment Repair, Diesel Truck Repair, Supervisor, Shop Foreman, Heavy Duty Repair, Purchasing Agent, Salesperson, Power Train Repair, Fuel Injection Repair, Diesel Engine Repair, Automotive Diesel Repair, and Marine Diesel Repair.

One Year		Credits
1st Semester		
DSL	111 Introduction to Diesel Engine	2
DSL	141 Transportation Electrical Systems I	2
DSL	152 Diesel Power Trains, Chassis, and Suspension	4
ENG	111 College Composition I or ENG 131 Technical Report Writing	3
SDV	Elective	<u>1</u>
Total		12
2nd Semester		
DSL	123 Diesel Engine Systems I	2
DSL	143 Diesel Truck Electrical Systems	4
DSL	160 Air Brake Systems	3
MEC	161 Basic Fluid Mechanics-Hydraulics and Pneumatics	4
Total		13

Total credits for the Diesel Mechanics Technology Career Studies Certificate = 25.