

Diesel Mechanics Technology

Certificate

Purpose: The Diesel Mechanics Technology curriculum is designed to introduce the fundamentals of diesel equipment repair and provide instruction in hydraulic systems welding, diesel engine overhaul and tune-up, electrical circuits, power train maintenance and fuel injection. The Diesel Mechanics Technology program will give graduates 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. The demand for trained diesel mechanic personnel and technicians is increasing.

Occupational Objectives: The Diesel Mechanics Technology 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, and Automotive Diesel Repair.

Admission Requirements: General college curricular admission

Program Notes: Students are strongly encouraged to meet with the program head either before registering for their first semester or early in their first semester of study.

Computer Competency Requirement: Students in this program will meet the college's computer competency requirement by successfully completing ITE 115. Students can also meet this requirement by passing the college's computer competency exam, administered in the testing centers on each campus, in which case they will receive college credit for ITE 115. Students not passing the computer competency exam may retake the exam only once.

CURRICULUM				
COURSE	TITLE	LEC. HRS.	LAB. HRS.	CRS. CRE.
DSL 153	Power Trains I	2	2	3
WEL 120	Fundamentals of Welding	1	3	2
SDV 100	College Success Skills	1	0	1
ITE 115	Introduction to Computer Applications and Concepts	3	0	3
DSL 150	Mobile Hydraulics and Pneumatics	2	2	3
ENG 111 or	College Composition I or	3	0	3

ENG 137	Communication Processes			
TOTAL		12	7	15
DSL 176	Transportation Air Conditioning	1	2	2
DSL 195	Transportation Electrical Systems	2	3	3
DSL 126	Diesel Engine Reconditioning	3	6	6
DSL 131	Diesel Fuel Systems and Tune-up	2	4	4
DSL 160	Air Brake Systems	2	2	3
TOTAL		10	17	18
DSL 154	Power Trains II	2	2	3
DSL 155	Heavy Duty Suspension and Service	2	2	3
DSL 197	Cooperative Education or Approved Elective	0	15	3
____ ____ ¹	General Education Elective	3	0	3
TOTAL		7	19	12
Total Minimum Credits for Certificate in Diesel Mechanics Technology				45
¹ A list of approved general education electives (humanities/fine arts, social/behavioral sciences, mathematics, science, and personal wellness) is provided in the General Education section of the catalog under Curriculum Planning and Design.				