

DIESEL MECHANICS, ASSOCIATE IN SCIENCE

systems, brake systems service, diagnosis and repair of heating and air conditioning systems and the diagnosis of fuel systems.

The Associate in Sciences in Diesel Mechanics Degree at Ventura College is designed to prepare students for employment in the diesel engine repair workforce. Students will be taught the advanced knowledge and high technology skills that will prepare them for a career as a diesel technician in the 21st century. The program curriculum incorporates lecture and laboratory activities. Competencies will include: maintenance and inspection of heavy-duty vehicles, repair of diesel engines; technical, operation, and diagnostic skills of diesel electrical systems; operation of power train units; inspection and adjustment of steering suspension systems, brake systems service, diagnosis and repair of heating and air conditioning systems and the diagnosis of fuel systems.

Course ID	Title	Units/ Hours
Required Courses		
DM V10	Diesel Preventive Maintenance	2
DM V10L	Diesel Maintenance Lab	1.5
DM V12	Diesel Electrical/Electronic Systems	3
DM V12L	Diesel Electrical/Electronic Systems Laboratory	3
DM V26	Diesel Engines	2
DM V26L	Diesel Engines Laboratory	3
DM V28	Diesel Fuel Management Systems	2.5
DM V28L	Diesel Fuel Management Systems Laboratory	3
DM V30	Truck and Trailer Brake Systems	2
DM V30L	Truck and Trailer Brake Systems Laboratory	1.5
DM V34	Truck Suspension and Steering Systems	2
DM V34L	Truck Suspension and Steering Systems Laboratory	1.5
DM V40	Heating, Ventilation, and Air Conditioning (HVAC) and Preventive Maintenance	2
DM V40L	Heating, Ventilation, and Air Conditioning (HVAC) Laboratory	1.5
DM V42	Hydraulic Systems	2
DM V42L	Hydraulic Systems Laboratory	1
DM V44	Drivetrain - Medium and Heavy-Duty Vehicles	2
DM V44L	Drivetrain Laboratory - Medium and Heavy- Duty Vehicles	1.5
Total Units		37

Upon successful completion of this program, students will be able to:

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