

DSL117W : Fuel and Emission Systems

Fuel and Emission Systems introduces students to the fundamentals of fuel-injection and emission-control systems for diesel engines. The course covers theory and operation, maintenance, testing, and troubleshooting techniques. Students learn about the fuel systems, their individual components, and their function. They also learn about the causes of emissions and their aftertreatment systems in current heavy-duty trucks and equipment. Laboratory work supports a hands-on approach to classroom theory. Students work individually or as teams where they apply theory and operating principles and identify the components of the fuel and emission systems.

Lecture Hours 3

Lab Hours 3

Credits 4