

DSL113W : Heavy-Duty Electrical Systems

Heavy-Duty Electrical Systems introduces students to the fundamentals of electrical systems common to diesel-powered equipment. The course covers electrical theory, Ohm's law, circuit protection and control, along with electrical schematics reading. Students learn about electrical circuit function, circuit construction, testing, and multimeter usage. Students are also introduced to electronic control modules, data communication, and the use of manufacturer software. Laboratory work supports a hands-on approach to classroom theory. Students work individually or as teams where they apply theory and the operating principles of common electrical systems.

Lecture Hours 3

Lab Hours 3 **Credits** 4