

## HD3I: Heavy Diesel Service Technician TCC (replaces HVDI: Heavy Diesel Service Technician in the Quarter System)

The Heavy Diesel Service Technician certificate program provides training in theory, diagnosis, and repair of basic systems on diesel engines and diesel equipment. Program instruction includes shop safety, shop equipment, diesel engines and fuel systems, electrical and electronic systems, off road power trains, and heavy equipment hydraulics.

**NOTE:** Employers in this field look for applicants who have mechanical aptitude and strong problem solving skills. Technicians constantly receive updated technical manuals and instructions outlining changes in techniques and standards for repair. It is essential that technicians be able to read, interpret, and comprehend service manuals in order to keep abreast of engineering changes.

### **Career Opportunities**

*Graduates may find employment as entry-level diesel service technicians.*

**Credit Required for Completion: Minimum of 32 credit hours**

### **Curriculum**

	<b>Program Course</b>	<b>Credits</b>
	<i>Occupational Courses</i>	
_____	DIET 1000 Introduction to Diesel Technology, Tools, and Safety	3
_____	DIET 1010 Diesel Electrical and Electronic Systems	7
_____	DIET 1030 Diesel Engines	7
_____	DIET 1040 Diesel Truck and Heavy Equipment HVAC Systems	3
_____	-or-	
_____	DIET 1050 Diesel Equipment Technology Internship	(4)
_____	DIET 2001 Heavy Equipment Hydraulics	6
_____	DIET 2011 Off Road Drivelines	6