

## **Heavy Vehicle Technology**

Diploma

## **Program Description**

The Heavy Vehicle Technology diploma program offers training in the practical aspects of diesel engine maintenance and major heavy vehicle subsystems. Students receive classroom and laboratory training using modern test equipment and specialized tools. Students gain handson experience in a realistic shop setting where they must demonstrate specific proficiencies. Emphasis is placed on logical diagnostic methods and repair procedures. This program prepares graduates for entry-level employment in the modern heavy vehicle service center in positions such as bus, truck, heavy construction technicians and diesel engine specialists.

Course #	Course Requirements		Clock Hours	Credit Hours
ORN120	Fundamentals of Technology		100	4
AUT122	Vehicle Electrical and Electronics I		100	4
HVT125	Diesel Fuel Systems		100	4
HVT134	Four Stroke Diesel Engines		100	4
HVT137	Drivelines		100	4
HVT138	Brakes		100	4
HVT139	Steering and Alignment		100	4
HVT223	Environmental Control Systems		100	4
HVT230	Hydraulic Systems		100	4
HVT231	Preventive Maintenance		100	4
HVT244	Heavy Vehicle Electrical and Electronics II		100	4
HVT266	Advanced Heavy Vehicle Systems		100	4
		Total	1,200	48

- Students attend class four days per week on various schedules
- Program length is approximately 15 months (including breaks and holidays) all schedules
- At the successful completion of the program, the student will receive a Diploma in Heavy Vehicle Technology

## auto.edu