State-Approved (Chapter 74)
Program Overview

Diesel Technology

Diesel technology is used in some car engines, as well as in the engines of trains, construction equipment, commercial trucks, large ships, airplanes and other large vehicles.

What Students Learn & Do

Diesel Technology programs provide students with foundational skills required to work as a diesel technician who maintains and repairs diesel engines, brake systems, steering systems, suspension systems, and electrical systems. Safety is a top priority as students learn hands-on skills for performing diagnostics, repairs, preventive maintenance and shop management.

Students learn to use a variety of hand tools, power tools, and computer technologies required to perform diagnostics and repair, preventative maintenance, and shop management. Business topics include the use of spreadsheets, presentation software and other business softwares. Students also learn about specific contexts that rely on diesel technology including airports and marinas. Finally, through direct instruction and supervised experiences at work sites outside of the school, students build their skills in workplace communication, time management and job interviewing.

Students in Diesel Technology programs are required to meet the same high academic standards as their peers in other high school programs. These standards are set by the State of Massachusetts. In addition, mathematics, reading, and writing skills are reinforced through the curriculum.

Licenses & Certifications

Programs will prepare students to earn industry-recognized credentials, and typically students will be able to complete one or more before they graduate from high school.

- OSHA General Industry - 10 hour
- OSHA Lift Safety
- National Institute for Automotive Service Excellence (ASE)

Options After High School

State-Approved (Chapter 74) programs provide precise training needed for entry-level employment. Here are some possible career opportunities for Diesel Technology program graduates.

High School Diploma

- Diesel Technician
- Diesel Service Writer
- Parts Manager

Technical Training or Associate Degree

- Aviation Maintenance Technician
- Power Generator Technician

Bachelor's Degree (4 Years of College)

- Heavy Equipment Vehicle Designer
- Mechanical Engineer
- Diesel Technology teacher

Questions to Ask a Program You Are Considering

1. **What workplace experiences do you offer to students - at school, or with an employer?**
2. **What are some common next steps for graduates of this program and how do you support them to get there?**

Learn about the differences between State-Approved (Chapter 74) and Local programs:
http://www.doe.mass.edu/ccte/cvte/cte-families/state-vs-local.html