



Applied Engineering & Technologies Division

## **Technical Standards for Diesel and Heavy Equipment Technology**

A student wishing to enroll in the Diesel and Heavy Equipment Technology curriculum must meet the following standards:

They must:

- Have sufficient visual capacity to read prints, schematics, other documents as well as meters and testers
- Be able to clearly distinguish all the primary colors
- Have good peripheral vision and depth perception and minimum corrective sight of 20/40 in at least one eye (CDL standards - waiver from NC DMV may be needed)
- Be capable of hearing tones of various pitches emitted by testers and meters
- Be capable of hearing equipment running and/or operating to determine if working correctly
- Be capable of accurately operating and reading lab equipment (including testing and/or measuring equipment) necessary for laboratory work
- Be capable of testing, troubleshooting, installing components, or making repairs to items located on any part of a machine or piece of equipment
- Be capable of operating construction, agricultural, industrial, and trucks as needed
- Be able to communicate with co-workers, instructors, and other students at a moderate distance without line of sight
- Be able to understand, read, and comprehend instructions in technical manuals, manufacturer's instructions, and warning labels in English
- Be able to work at heights up to 35' while carrying tools and equipment
- Be able to lift objects weighing up to 50 lbs. and install equipment overhead
- Not have a debilitating fear of heights or confined spaces
- Be capable of working with many types of hand, air or other power tools
- Be able to wear hard hats, safety glasses, steel toe shoes, and other safety related equipment as required by the Industry
- Be able to use petroleum products or any other chemical used in the program

The diesel and heavy equipment trade is one with many inherent risks and safety of the employee (student) is of the utmost concern and cannot and should not be compromised just because an individual wants to go into the trade.