

# Facilities Maintenance Technology Technical Standards

for Wake Technical Community College Programs  
at Vernon Malone College and Career Academy

## **Air Conditioning, Heating and Refrigeration Technology**

*A student wishing to enroll in the AHR Technology curriculum (s) 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
- Be capable of hearing tones of various pitches emitted by testers and meters
- Be capable of hearing equipment running/operating to determine if working correctly
- Be able to communicate with co-workers at a moderate distance with-out line of sight
- Be able to climb ladders up to 35' in length while carrying tools and equipment
- Be able to lift objects weighing up to 60 lbs. and install equipment overhead
- Not have a de-habilitating fear of heights, crawl spaces or confined spaces
- Be capable of working with many types of tools and be able to wear a tool pouch for up to 10 hrs per day
- Be able to wear hard hats, safety glasses, steel toe shoes and other safety related equipment as required by the Industry
- Be able to tolerate exposure to noxious chemical compounds including; but not limited to; acids, acid-like chemicals, solvents, glues, cleaners, oils, and refrigerants.
- Be able to work with hands (mechanical coordination skills)
- Must not have a debilitating fear of insects, spiders, snakes, or lizards
- Sufficient physical endurance to work in extreme thermal environments
- Sufficient motor function to execute movements required to install and service HVACR systems.
- The AHR 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.

## **Electrical Systems Technology**

*A student wishing to enroll in the Electrical Systems Technology curriculum (s) 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
- Be capable of hearing tones of various pitches emitted by testers and meters
- Be capable of hearing equipment running/operating to determine if working correctly
- Be able to communicate with co-workers at a moderate distance with-out line of sight
- Be able to climb ladders up to 35' in length 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, crawl spaces or confined spaces
- Be capable of working with many types of tools and be able to wear a tool pouch for up to 10 hours per day
- Be able to wear hard hats, safety glasses, steel toe shoes and other safety related equipment as required by the Industry
- The electrical 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.