

YORK TECHNICAL COLLEGE

**TECHNICAL STANDARDS FOR AIR CONDITIONING AND REFRIGERATION MECHANICS
TECHNOLOGY RELATED PROGRAMS ESSENTIAL FUNCTIONS OF AN HVAC TECHNICIAN:**

1. Perform HVAC tasks including:
 - A. Air Conditioning and Refrigeration
 - B. Heating
 - C. Electricity
 - D. Print Reading

**MINIMUM QUALIFICATIONS NECESSARY TO PERFORM ESSENTIAL FUNCTIONS OF AN HVAC
TECHNICIAN**

PHYSICAL STRENGTH: The student must possess medium physical strength.

DIAGNOSTICS: Must be able to diagnose causes of breakdowns.

SERVICE AND INSTALLATION: Must be able to install and repair units.

POSITION COMPONENTS: Must be able to lift parts into position.

ASSEMBLY: Must be able to disassemble and assemble parts.

PARTS ATTACHMENT: Must be able to screw, bolt, weld, and braze parts together.

PIPING SYSTEMS: Must be able to cut, thread, and connect pipes.

MOTOR CONTROL: Must be able to connect motors to control panels.

POWER SYSTEMS: Must be able to connect control panels to power sources.

INSTRUMENTS: Must be able to test parts using instruments.

ADJUSTMENTS: Must be able to adjust valves.

LUBRICATION: Must be able to lubricate machinery.

EQUIPMENT: Must be able to operate the following types of equipment: hand tools, leak detectors, pressure gauges, electrical meters, probes, voltmeters, electric drills, soldering torches, sheet metal tools, blueprints, and thermometers.

PROCEDURES: Must be able to perform logical step-by-step procedures to complete tasks.

STANDARDS: Attain set limits and standards.

CALCULATIONS: Must be able to perform mathematical calculations.

PHYSICAL CHARACTERISTICS: Must be physically able to see well, either naturally or with correction, including color vision; lift heavy objects; be able to bend, stoop, climb and crawl.

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007, located in the Student Services Building within the Counseling and Support Services Area. The SRO coordinates reasonable accommodations for students who self-identify their documented disability.