

YORK TECHNICAL COLLEGE

**TECHNICAL STANDARDS FOR INDUSTRIAL MECHANICS TECHNOLOGIES RELATED PROGRAMS
ESSENTIAL FUNCTIONS OF AN INDUSTRIAL MECHANICS TECHNICIAN:**

1. Plan installations
2. Interpret and follow specifications and codes
3. Prepare sketches
4. Install, Troubleshoot, and repair equipment
5. Use mechanical diagrams and service manuals
6. Perform routine and preventive maintenance on machinery
7. To dismantle and reassemble machines and equipment
8. Keep accurate service records and logs

**MINIMUM QUALIFICATIONS NECESSARY TO PERFORM ESSENTIAL FUNCTIONS
OF AN INDUSTRIAL MECHANICS TECHNICIAN**

PHYSICAL STRENGTH: Must possess medium physical strength.

MOBILITY: Must be able to climb, work at heights from ladders and scaffolds, and to maintain body balance.

VISION AND HEARING: Must maintain good vision and hearing either naturally or with correction.

WORK AREA: Must be able to bend, crouch, and work in small, confined areas and overhead.

LIFT: Must be able to lift and carry objects weighing up to 50 pounds.

ENDURANCE: Must be able to stand, squat, and stretch for long periods of time.

WORK TIME: Must be able to work 35 to 40 hours per week, with some overtime and rotating shifts.

SAFETY: Must be able to wear and work in gloves, hard hats, safety glasses, and steel toe work boots.

WORK CONDITIONS: Must be able to work indoors and outdoors in all types of weather and temperatures.

HAND TOOLS: Must be able to use the following hand and power tools: screwdrivers, pliers, diagonal cutters, wire strippers, hammer, chisel, tap and die set, hack saw, conduit bender, pipe bender, hand drill, circular saw, hoists, cranes, straightedge, lubrication charts, parts catalogs, grinders, operator's manuals, precision measuring and testing equipment, micrometers, scales and calipers, levels and plumb bobs, computers, etc.

PROCEDURES: Must be able to use logical step-by-step procedures.

MATHEMATICAL: Must be able to perform arithmetic operations quickly and accurately.

DECISIONS: Must be able to make decisions based on personal judgment and/or verifiable criteria.

CONCENTRATION: Must be able to stay focused on the task at hand.

DUTIES: Must be able to perform a variety of duties.

RECOGNITION: Must be able to perceive details and recognize differences in shapes, shadings, and measurements.

SKETCHING: Must be able to sketch a required part to be manufactured by a machine shop.

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.