

YORK TECHNICAL COLLEGE

TECHNICAL STANDARDS FOR **WELDING TECHNOLOGY** RELATED PROGRAMS ESSENTIAL FUNCTIONS OF A **WELDER**:

1. Perform Welding tasks including:
 - A. Gas welding and cutting
 - B. Arc welding
 - C. Inert Gas welding - MIG and TIG
 - D. Fabrication - steel and pipe
2. Evaluate welding prints
3. To have an understanding of welding principles
4. Understand safety regulations
5. Clean and maintain equipment and work area

MINIMUM QUALIFICATIONS NECESSARY TO PERFORM ESSENTIAL FUNCTIONS OF A WELDER

PHYSICAL REQUIREMENTS: The student must possess medium to heavy physical strength.

SELECTING EQUIPMENT: Select proper welding equipment and accessories.

EQUIPMENT ADJUSTMENT: Adjust equipment to properly weld materials.

MACHINE SETTING: Set machine guides and work-holding devices.

ALIGNMENT: Align and feed the work piece and remove it after the weld is complete.

HEAT TOLERATION: Must be able to withstand heat.

PROTECTIVE DEVICES: Wear protective clothing.

OPERATE EQUIPMENT: Operate the following types of equipment: arc and gas welding torches, gas shielded arc equipment, and submerged arc welding equipment.

BLUEPRINTS: Must be able to work accurately from blueprints.

PHYSICAL: Must be physically able to stoop, kneel and crouch; possess manual dexterity; see well, either naturally or with correction; and lift, carry, and transport objects weighing up to 100 pounds.

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.