

- I. JOB TITLE : MECHANICAL FITTER
- II. JOB LEVEL : SKILLED WORKER
- III. JOB DESCRIPTION : Fits, assembles, erects, installs, maintains and repairs mechanical plants and equipment, including emergency generators.
- IV. TRADE SKILLS : Ability to:
1. Correctly use and maintain the tools of the trade including power tools, test equipment and measuring instruments.
  2. Undertake marking out and bench fitting to specified tolerances.
  3. Use and maintain relevant measuring instruments and standards.
  4. Carry out simple sheet metal work and pipe work.
  5. Perform electric and gas welding, hard soldering and brazing.
  6. Install, maintain and repair mechanical plants and equipment.
  7. Read and interpret engineering drawings and specifications.
  8. Install, maintain and repair emergency generators for buildings.
  9. Use safety equipment, and protective devices and equipment.
  10. Correctly instruct, supervise and transfer skills to any apprentice and semi-skilled worker assigned to him to ensure safety and quality of work.

V. TRADE THEORY : Knowledge of:

1. Workshop technology covering welding, fabrication processes, machine and hand tools, measuring instruments, properties and heat treatment of materials.
2. Basic engineering science and simple calculations.
3. Operating and maintenance principles of mechanical plant and machinery.
4. Engineering drawing.
5. Basic electrical technology, and principles of hydraulic and pneumatic systems.
6. Operating principles and structure of emergency generators for buildings.
7. Industrial hazards, safety and health precautions, energy saving and environmental concerns.
8. Installation practice and regulations, and relevant codes of practice.
9. Relevant ordinances and regulations.

VI. ENTRY ROUTE : Preferred Minimum Entry Qualification:

Completion of Secondary 3.

Training:

4-year organized apprenticeship or 3-year organized apprenticeship if preceded by a relevant one-year full-time basic craft course, with attendance at a relevant part-time day-release or block-release craft course in an institute of vocational education or equivalent.