

- I. JOB TITLE : BUILDING SERVICES MAINTENANCE MECHANIC
- II. JOB LEVEL : SKILLED WORKER
- III. JOB DESCRIPTION : Operates, maintains and repairs various types of building services systems and equipment.
- IV. TRADE SKILLS : Ability to:
1. Correctly use and maintain the tools of the trade including power tools, test equipment and measuring instruments.
 2. Operate and properly maintain building services systems and equipment according to stipulated procedures.
 3. Locate and repair faults in building services systems and equipment.
 4. Overhaul and service building services systems and equipment.
 5. Use safety equipment, and protective devices and equipment.
 6. Read and interpret simple building services specifications, electrical wiring and circuit diagrams, and building plans.
 7. Inspect, test and commission building services equipment.
 8. 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. Basic building services engineering including:
 - (i) Electrical system
 - (ii) HVAC system

- (iii) Water supply and drainage system
 - (iv) Fire services system
 - (v) Simple building automation devices
2. Basic workshop practice, engineering materials, welding, conduit and wiring.
 3. Line diagrams and layout drawings for building services system.
 4. Principles of hydraulic and pneumatic systems.
 5. Motors and starting methods and control equipment.
 6. Single and three-phase circuits, earthing and general protection.
 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.