

- I. JOB TITLE : GAS INSTALLER
- II. JOB LEVEL : SKILLED WORKER
- III. JOB DESCRIPTION : Installs, commissions, maintains and repairs domestic and non-domestic gas piping systems, gas appliances, gas utilization systems, and gas flow controls and meters connected to gas cylinders or gas supply points.
- IV. TRADE SKILLS : Ability to:
1. Correctly use and maintain the tools of the trade including power tools, test equipment and measuring instruments.
 2. Install all types of commonly used gas piping and piping accessories.
 3. Install all types of commonly used hot/cold water piping and its accessories to gas appliances.
 4. Install gas appliances such as hotplates, water heaters and dryers.
 5. Install gas utilization system components such as gas meters and governors/regulators.
 6. Locate and repair faults in gas installations and equipment.
 7. Read and interpret gas specification, piping diagrams and building plans.
 8. Inspect, test, commission and maintain gas installation, supply system and equipment.
 9. Use safety equipment, and protective devices and equipment.
 10. Handle emergency of gas escape.
 11. 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. Engineering calculations associated with gas flow carrying capacity of pipes, meters, governors and related devices.
2. Piping diagrams and symbols.
3. Engineering calculations associated with combustion, flue and ventilation.
4. Properties of gas and its conversion.
5. Basic workshop practice, engineering materials and welding.
6. Basic electrical engineering and simple wiring diagrams.
7. Industrial hazards, safety and health precautions, 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:

3-year organized apprenticeship or 2-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.

VII. STATUTORY REQUIREMENT : A qualified gas installer should be a registered gas installer (RGI) of relevant classes under the Gas Safety Ordinance.