

PLUMBING PRE-APPRENTICESHIP AND GAS TECHNICIAN 3

Students who complete our structured Plumbing Pre-Apprenticeship and Gas Technician 3 (Estimation Track) program have the advantage of diversifying their skills into two relevant areas of training.

Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings. Plumbers must be able to follow blueprints, working with plumbing tools, and know what types of materials are required for each job. Areas of study include; plumbing safety, plumbing installation methods, plumbing code, and blueprint reading.

Gas Technician 3 is a mandatory, entry-level certification which must be completed by anyone wanting to work as an HVAC Technician. Gas Technician 3 training includes 9 modules which are prerequisites for the remaining certification training. Individuals with the Gas Technician 3 certification work under supervision on appliances up to and including 400,000 British Thermal Units per Hour (BTUH).

Program length: 36 weeks

ADMISSION REQUIREMENTS

- Minimum of a Canadian high school grade 12 or equivalent, or a mature student
- Pass an entrance test administered by Herzing
- Be interviewed in detail regarding interest in the field
- Meet any additional program specific entrance requirements

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▸ COURSE LIST

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| - Fundamentals of Plumbing | - Hydronics and Measurements |
| - Plumbing Tools and Materials | - Heat Pumps and Controls |
| - Compressors | - Service and Troubleshooting |
| - Electrical Fundamentals, Circuits and Controls | - Fundamentals of an Estimator |
| - Plumbing Recovery and Reclaiming | - Estimating and Takeoffs |
| - Fundamentals of Hydronics | - Protect Self and Others |
| - Heating and Humidification Systems | - Fasteners, Hand Tools and Power Tools |
| - Introduction to Piping and Tubing System | - Installation Codes, Acts and Regulations |
| - Introduction to Electricity | - Technical Manuals, Specifications, Schematics, Drawings, and Graphs |
| - Customer Relations | - Introduction to Gas Appliances |
| - Properties, Characteristics, Safe Handling of Propane and Natural Gas | |

▸ CAREER OUTLOOK

Plumbers with a Gas Technician 3 certification are employed in maintenance departments of factories, plants and similar establishments, by plumbing contractors.

Student will have the skills to succeed in the following areas of the industry: Plumber, Maintenance Plumber, Pipefitter-Steamfitter, Gas Technician, Hydronics Technician, Plumbing Contractor, Fire Protection Mechanic