

PLUMBING TECHNIQUES

Program: PLTQ
Credential: Ontario College Certificate
Delivery: Full-time
Length: 2 Semesters
Duration: 1 Year
Effective: Fall 2023
Location: Midland

Description

Students are provided with the theoretical knowledge and practical training to perform most basic plumbing techniques. Teamwork and project based learning are emphasized. Students engage in plumbing projects from design and drawing to implementation, working in accordance with codes and health and safety requirements of the plumbing trade.

Career Opportunities

Upon completion of the program, graduates can apply for work as a plumber's apprentice. They may find a range of occupations in the plumbing field, including construction, maintenance, industrial, as well as service related opportunities in wholesale, retail and municipal waterworks. Graduates choosing to continue their education may opportunities HVAC, gas fitting and municipal utilities operation.

Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

1. work according to contractual obligations, the project manual and applicable laws, standards, bylaws, and codes;
2. perform residential plumbing projects effectively and accurately by interpreting and producing basic data in graphic, oral and written formats;
3. work responsibly and effectively with others and in accordance with appropriate practices, procedures and in compliance with health and safety legislation;
4. use tools and equipment for basic installation manufacture, and repair of components to required specifications;
5. contribute to the organizing and planning of residential plumbing installation projects;
6. solve routine problems related to work environments using a variety of systemic approaches;
7. respond to environmental issues related to the plumbing trade;
8. employ entrepreneurial strategies to identify and respond to new opportunities.

Program Progression

The following reflects the planned progression for full-time offerings of the program.

Fall Intake

- **Sem 1:** Fall 2023
- **Sem 2:** Winter 2024

Admission Requirements

OSSD or equivalent with

- Grade 12 English (C or U)

Mature students, non-secondary school applicants (19 years or older), and home school applicants may also be considered for admission. Eligibility may be met by applicants who have taken equivalent courses, upgrading, completed their GED, and equivalency testing. For complete details refer to: www.georgiancollege.ca/admissions/academic-regulations/ (<https://www.georgiancollege.ca/admissions/academic-regulations/>)

Applicants who have taken courses from a recognized and accredited post-secondary institution and/or have relevant life/learning experience may also be considered for admission; refer to the Credit for Prior Learning website for details: www.georgiancollege.ca/admissions/credit-transfer/ (<https://www.georgiancollege.ca/admissions/credit-transfer/>)

Graduation Requirements

- 10 Program Courses
- 1 Communications Course
- 1 General Education Course

Graduation Eligibility

To graduate from this program, the passing weighted average for promotion through each semester, and to graduate is 60%. Additionally, a student must attain a minimum of 50% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester unless otherwise stated on the course outline.

Program Tracking

The following reflects the planned course sequence for full-time offerings of the Fall intake of the program. Where more than one intake is offered contact the program co-ordinator for the program tracking.

Semester 1	Hours
Program Courses	
ENVR 1003 Environmental Health and Safety	42
MATH 1007 Mathematics Techniques	42
PLMB 1000 Plumbing Theory 1	42
PLMB 1001 Plumbing Practical 1	42
PLMB 1002 Plumbing Codes and Standards 1	42
Communications Course	
Select 1 course from the communications list during registration.	42
Hours	252
Semester 2	
Program Courses	
DRFT 1015 Plumbing Drafting and Blueprint Reading	42
PLMB 1003 Plumbing Theory 2	42
PLMB 1004 Plumbing Practical 2	42
PLMB 1005 Plumbing Codes and Standards 2	42
WETC 1013 Welding and Cutting Processes	42
General Education Course	
Select 1 course from the general education list at the time of registration.	42
Hours	252
Total Hours	504

Graduation Window

Students unable to adhere to the program duration of one year (as stated above) may take a maximum of two years to complete their credential. After this time, students must be re-admitted into the program, and follow the curriculum in place at the time of re-admission.

Disclaimer: *The information in this document is correct at the time of publication. Academic content of programs and courses is revised on an ongoing basis to ensure relevance to changing educational objectives and employment market needs.*

Program outlines may be subject to change in response to emerging situations, in order to facilitate student achievement of the learning outcomes required for graduation. Components such as courses, progression, coop work terms, placements, internships and other requirements may be delivered differently than published.