Georgian

PLUMBING TECHNIQUES

Program: PLTQ
Credential: Ontario College Certificate
Delivery: Full-time
Length: 2 Semesters
Duration: 1 Year
Effective: Fall 2019
Location: Midland

Description

Students are provided with the theoretical and practical training to perform most basic plumbing techniques. Students will be exposed to topics including health and safety, reading of drawings, applied math, communications, plumbing code, plumbing theory, practical application and installation practices.

Career Opportunities

At the completion of the program, students are ready to apply for work as a Plumber's helper or apprentice, or work in related fields. Graduates pursuing an apprenticeship may find a range of occupations in the plumbing field, including construction, maintenance, industrial as well as service related opportunities such as wholesale and retail and municipal waterworks. Graduates choosing to continue their education will find 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.

The Program Progression

Fall Intake

- **Sem 1:** Fall 2019
- **Sem 2:** Winter 2020

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/policies-procedures/ (http://www.georgiancollege.ca/admissions/policies-procedures)

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 Transfer Centre website for details: www.georgiancollege.ca/admissions/credit-transfer/ (http://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

Semester 1		Hours
Program Courses		
ENVR 1003	Environmental Health and Safety	42
MATH 1018	Introduction to Technical Mathematics	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.

Information contained in College documents respecting programs 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. The college reserves the right to add or delete programs, options, courses, timetables or campus locations subject to sufficient enrolment, and the availability of courses.