

# Plumbing: Citation (Foundation)

<b>Faculty of Trades and Technology</b>	kpu.ca/trades
<b>Program Type</b>	Vocational
<b>Credential Granted</b>	Citation
<b>Offered At</b>	Cloverdale
<b>Start Date(s)</b>	Varies
<b>Intake Type</b>	Limited intake
<b>Format</b>	Full-time
<b>Instructional Cycle</b>	Fixed-term
<b>Curriculum Effective Date</b>	01-Sep-2011
<b>How to Apply</b>	www.kpu.ca/admission

## DESCRIPTION

This 21 week program prepares students for employment as a plumber apprentice. Students will develop the necessary habits concerning safety, time and materials management, hand tools and power tools. Practical projects are performed in a shop environment to enhance students' skills in installation, pipe repair and maintenance, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings.

Students who complete the Foundation program are eligible for ITA credit in Plumber Level 1 apprenticeship and 375 work-based hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Plumbing Apprentice in-school technical training levels 2, 3 and 4.

Details on program dates are available on Kwantlen Course Search.

## STUDENT PROFILE

This program is suited for individuals that have good math and mechanical skills, manual dexterity and problem solving. Physical demand can vary; there is a considerable amount of standing, bending and lifting. Additional information is available at: [kpu.ca/trades/plumbing](http://kpu.ca/trades/plumbing).

## CAREER OPPORTUNITIES

This program prepares graduates for employment by construction companies, plumbing contractors and maintenance departments. Progression to supervisory positions or self-employment is possible with additional training and experience.

## ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
  - English 12 with a minimum grade of 'C' (or equivalent), or

- Completion of KPU's Trades reading test with a minimum score of 80%
- Mathematics:
  - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
  - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
  - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
  - KPU's Trades Mathematics test with a minimum threshold percentage of 63%

### Notes:

- Group information sessions are regularly scheduled at the Cloverdale campus, and participation is highly recommended. Please see [kpu.ca/trades](http://kpu.ca/trades) for schedule information.
- Completion of high school shop courses is an asset.
- International student Application for Admission requires approval of the Dean.

Satisfactory physical health is also recommended. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

## CURRICULAR REQUIREMENTS

- Mathematics
- Tools
- Science
- Safety
- Pipes, Valves, Fittings
- Rigging
- Cutting, Soldering and Brazing
- Drafting and Blueprint Reading

### Required Courses

PLMB 1101	Safety	2 credits
PLMB 1105	Organization of Work	6 credits
PLMB 1110	Prepare & Assemble Plumbing Components	4 credits
PLMB 1121	Tools & Equipment	5 credits

**Note:** Students must achieve a 70% (B-) cumulative grade in order to successfully complete the program.

## OTHER INFORMATION

### Special Equipment

Students will be required to supply their own CSA approved steel-toed safety shoes or boot, CSA approved hard hat, safety glasses, 1 imperial 1" by 25' measuring tape and 1 metric 25 mm by 8 metres measuring tapes.

## CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Plumbing**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.