

# Piping: Citation (Foundation)

|                                  |                      |
|----------------------------------|----------------------|
| Faculty of Trades and Technology | kpu.ca/trades        |
| Program Type                     | Vocational           |
| Credential Granted               | Citation             |
| Offered At                       | Cloverdale           |
| Start Date(s)                    | Varies               |
| Intake Type                      | Limited intake       |
| Format                           | Full-time            |
| Instructional Cycle              | Fixed-term           |
| Curriculum Effective Date        | 05-Jan-2015          |
| How to Apply                     | www.kpu.ca/admission |

## DESCRIPTION

Effective September 1, 2017 the *Piping Foundation* program will be renamed the *Plumbing and Piping Foundation* program, leading to a *Citation in Plumbing and Piping*. This change will appear in the 2017-18 University Calendar to be published in June 2017.

This 25-week program (duration may vary for some intakes) prepares students for employment as a pipefitter, steamfitter, sprinkler installer, gasfitter or plumbing 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 equipment used for water, steam, chemical and fuel distribution, in addition to wastewater disposal in residential, commercial and industrial buildings.

Students who complete the Foundation program are eligible for ITA credit in Pipefitter, Steamfitter, Sprinkler Installer, Gasfitter or Plumber Level 1 apprenticeship and 375 work-based hours. Students will need to declare their intended apprentice field. KPU Apprentice Services will support students through this process.

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)

## 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%
- Interview by an instructor

On 21 November 2016 a change to the admission requirements for this program was approved by Senate. Effective September 2017 the requirement *Interview by an instructor* will no longer apply. This change will appear in the 2017-18 University Calendar to be published in June 2017.

**Note:** Admission for international applicants 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

### Required Courses

|           |  |           |
|-----------|--|-----------|
| PIPE 1101 | Safe Work Practices                    | 3 credits |
| PIPE 1105 | Organize Work                          | 7 credits |
| PIPE 1110 | Prepare and Assemble Piping Components | 6 credits |
| PIPE 1121 | Tools and Equipment                    | 8 credits |

**Note:** Students must achieve a minimum grade of 70%, which translates to a B-, in practical exams and assignments.

## OTHER INFORMATION

### Special Equipment

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

## CREDENTIAL AWARDED

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

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