

# PLUMBING AND PIPING

## Who Studies Plumbing and Piping?

This program is appropriate for individuals that have good math and mechanical skills, manual dexterity and a methodical approach to removing and replacing worn components. Physical demands can vary; there is a considerable amount of standing, bending and lifting.

## Career Opportunities

This program prepares graduates for employment with maintenance departments of factories, plants and similar establishments, or with pipefitting contractors. Progression to supervisory positions or self-employment is possible with additional training and experience.

## Programs

- Citation in Plumbing and Piping (<https://calendar.kpu.ca/programs-az/trades-technology/plumbing-piping/plumbing-piping-citation/>)

## Courses

Registration in some course sections is restricted to students in particular programs. See Timetables - [kpu.ca/registration/timetables](http://www.kpu.ca/registration/timetables/) (<http://www.kpu.ca/registration/timetables/>) - for current section information.

Visit the BC Transfer Guide - [bctransferguide.ca](https://www.bctransferguide.ca/) (<https://www.bctransferguide.ca/>) - for information about course transfer in B.C.

### PIPE 1101 3 credits

#### Safe Work Practices

Students will address safe work practices and how they pertain to construction work sites. They will examine the Occupational Health and Safety Regulation and Guidelines of WorkSafe BC applicable to the piping trade. Students will be able to demonstrate and use general safe work practices and procedures when using tools and equipment, practice the safe handling and storage methods for materials and equipment. They will receive Powder Actuated Tool and Workplace Hazardous Materials Information System (WHMIS) certificates.

Level: VO

Attribute: TRAD (<https://calendar.kpu.ca/courses-az/#courseattributestext>)

### PIPE 1105 7 credits

#### Organize Work

Students will use mathematics and science to solve problems in the piping trades. They will interpret engineering drawings and sketches and will make decisions pertaining to the installation, positioning, and/or maintenance of piping and fixtures currently used in the piping trade. Students will use codes and standards in the application of shop projects, as well as describe and use manufacturer and supplier documentation encountered in the piping trade.

Level: VO

Attribute: TRAD (<https://calendar.kpu.ca/courses-az/#courseattributestext>)

### PIPE 1110 6 credits

#### Prepare and Assemble Piping Components

Students will describe piping and tubing materials used in the piping trade. They will join piping, for example: plastic, copper, and carbon steel. Students will describe, select, and install valves used in the piping trade. They will describe fittings and connection methods, select and install fittings. Students will be able to use acceptable methods of structure penetration.

Level: VO

Attribute: TRAD (<https://calendar.kpu.ca/courses-az/#courseattributestext>)

### PIPE 1121 8 credits

#### Tools and Equipment

Students will develop basic skills to identify, select, inspect, use, and maintain hand tools and stationary, as well as portable power tools, appropriate to piping processes. They will complete shop projects that involve bench work to practice hand skills using a variety of industry related tools. Students will develop skills involving soldering and rigging equipment along with but not limited to ladders, knots and platforms.

Level: VO

Attribute: TRAD (<https://calendar.kpu.ca/courses-az/#courseattributestext>)