Gasfitter

SCHOOL OF CONSTRUCTION

Overview

Learn to size, install, test, adjust and service natural gas and propane equipment, such as residential furnaces and industrial boilers.

You'll enjoy a career as a gasfitter if you like to diagnose problems, work independently, with your hands. On the job, you'll repair and extend gas mains while installing, servicing, and repairing pipes and fittings between mains and buildings.

Following codes, regulations and accepted safety practices, you'll:

- determine the size and type of pipe, equipment, appliances and devices to use
- test, identify and select the correct piping and related materials
- measure, cut, thread and assemble pipe using tools such as pipe cutters, pipe threading machines and pipe vices
- install vents and flues
- connect gas-consuming appliances such as ranges, dryers, barbecues, furnaces, boilers, space heaters, radiant and forced air heaters
- test and replace defective equipment or components
- start-up and adjust new or repaired equipment
- prepare reports.

As a gasfitter, you may also install and repair underground gas mains and distribution pipes, respond to calls about escaping gas, assist in the investigation of gas fires and explosions, convert motor vehicles or appliances to use other fuels (for example, propane or natural gas) and install and service propane and natural gas filling stations.

Certification is required to work in this trade. This means that you must either be a registered apprentice working under the guidance of a certified journeyperson or you must be a certified journeyperson yourself.

Traits, skills and aptitudes

Gasfitters are skilled tradespeople who are self-motivated and independent. This line of work is most fulfilling if you enjoy diagnosing problems and working with your hands.

To succeed in this trade, you should:

- be a creative problem solver
- have mechanical, electrical and electronic aptitude
- have good coordination, vision and manual dexterity
- be comfortable working at heights
- be a team player and communicate effectively
- be committed to maintaining safe work habits.

Credentials

Upon successfully completing the required working hours and technical training periods, you'll be awarded a diploma (Gasfitter - Class A) or a certificate (Gasfitter - Class B) and journeyperson status by Alberta's Apprenticeship and Industry Training.

This is a Red Seal Endorsed trade – a recognizable standard that allows tradespeople to work across Canada.

Admission requirements

To enter an apprenticeship, you must have the educational qualifications required or recommended education for the trade to which you apply.

Entrance requirements are monitored and set by Alberta Apprenticeship and Industry Training.

Minimum requirements

Successful completion of the following courses:

- English 20-2
- Math 20-3
- Science 10

OR

A pass mark in all five Canadian General Educational Development (GED) or Canadian Adult Education Credetnial (CAEC) tests

OR

Alberta Apprenticeship and Industry Training Entrance exam.

Recommended requirements

Apprentices with an Alberta High School Diploma that includes the following courses:

- English 30-2
- Math 30-3
- Physics 30 OR Chemistry 30 OR Science 30
- Related career and technology studies (CTS) courses

Costs

2026/27 tuition and fees

The following costs are effective as of July 1, 2026.

The estimated tuition and fees are applicable for both Gasfitter Class A and Class B apprentices.

Period	Number of weeks	Tuition fees	Additional fees	Total
1	8	$1,256	$357.50	$1,613.50
2	8	$1,256	$357.50	$1,613.50
3	8	$1,256	$357.50	$1,613.50
			Total cost:	**$4,840.50**

The estimated total cost of tuition and fees in each period of technical training.

Books and Supplies

This is a bring-your-own-device program with standard computer hardware and software requirements. See the specific requirements on our computers and laptops page.

Books or modules, along with other items for classes, are approximately $600 per period.

We recommend you don't purchase books or modules ahead of time as they might be outdated by the time you attend classes, and they cannot be returned to the Bookstore.

This program requires personal protective equipment (PPE), which may be an additional cost.