

# PIPING TRADES

**9-MONTH  
CERTIFICATE**

Develop your skills in plumbing, gas, steam and pipe fitting. This in-demand, diverse trades program can lead you to employment in residential, commercial and industrial construction industries.

## Why choose a career in Piping Trades?

- 1 Learn the many facets**  
This nine-month certificate program will introduce you to multiple trades in high demand. Concentrate on plumbing, gas and pipe fitting, while learning about furnaces, heating, air conditioning and air exchange systems, water treatment, fire sprinkler systems, water and sewer and sheet metal. Instructors use industry-relevant tools and equipment with an emphasis on safety and protection of the environment.
- 2 Plunge into learning**  
Study alongside other trades students at our Len Evans Centre of Trades and Technology. This program boasts hands-on learning using a wide variety of equipment from different trades to assist you in learning the function, installation and troubleshooting procedures.
- 3 Connect to careers**  
This program will provide you the core skills for a multitude of careers with plumbing and heating contractors, industrial piping contractors, public utilities, wholesale suppliers, fire sprinkler installers, and water and wastewater treatment facilities. There is a special emphasis in this program on the role of plumbing in public health and wastewater management concerns, a rapidly growing field that deals with environmental issues.
- 4 Become an apprentice**  
Graduates who register as a plumbing apprentice within two years of completing this program may be granted in-school training credit for Level 1 Plumber apprenticeship.

CAMPUS/DELIVERY OPTIONS



North Hill Campus

AVAILABLE INTAKES



September

WORK PLACEMENT(S)



3 weeks

## CAREER OPPORTUNITIES

Graduates find employment opportunities with plumbing and heating contractors, industrial piping contractors, public utilities, wholesale suppliers, fire sprinkler installers, and water and wastewater treatment facilities.

## ADMISSION REQUIREMENTS

- » A complete Manitoba Grade 12 or equivalent
- » Consumer/Essential Mathematics 40S or equivalent

English is the language of instruction at Assiniboine. All applicants educated outside of Canada or in a country not on the test exempt list are expected to meet the English language proficiency requirement. See [assiniboine.net/elp](http://assiniboine.net/elp) for more information.

## TECHNOLOGY REQUIREMENTS

Programs at Assiniboine have certain technology requirements. Students require access to computer devices at home and may be required to bring these on campus when instructed. Refer to [assiniboine.net/tech](http://assiniboine.net/tech) for more detailed information about the requirements for this program.

## PROGRAM CONSIDERATIONS

To be successful in this program and industry, it is important for you to be able to:

- » Wear Personal Protective Equipment (PPE) including hardhat, safety glasses and steel toe boots
- » Work outdoors in extreme warm and cold weather conditions (+30°C to -40°C)
- » Use ladders and work at varying heights
- » Work as part of a team
- » Take direction from a supervisor
- » Be punctual and attend class on a regular basis

A valid driver's license and access to a vehicle is strongly recommended given the potential need to travel for practicum placement.

## UNIQUE LEARNING EXPERIENCES

- » Modern, well-equipped shops
- » Emphasis on practical, applied learning
- » Industry-based practicum

## GRADUATION REQUIREMENTS

To graduate with a Piping Trades certificate, students must successfully complete 69 academic credits and 3 practical credits.

The minimum passing grade for each course is 60% and is indicated on the course outline. Course failure will result in discontinuance in the program.

## CONNECTIONS

Students who successfully complete the accredited program with an accumulative average of 70% or better in the trade subjects and level for which the program was accredited, gain employment and register as an apprentice within two years of graduating, will receive credit for Level 1 in-school technical training and 900 hours in the Plumber apprenticeship program.

## PROGRAM FEES (DOMESTIC ONLY)

Tuition: **\$3,700** Course fees: **\$1,920**  
Students' Association fees: **\$480**  
Estimated textbooks, tools and supplies: **\$1,470**

*All fees are estimated and subject to change without notice. For international program pricing, if/when applicable, please visit [assiniboine.net](http://assiniboine.net).*

## COURSES 2022-23

NUMBER	COURSE TITLE	CREDITS
DRFT-0010	Blueprint Reading (PIPET)	3
PEDV-0356	College Foundations	0
COMM-0045	Communications	3
PIPE-0014	Heating Principles Practical	7.5
PIPE-0005	Heating Principles Theory	3
MATH-0108	Math - Piping Trades	3
PIPE-0004	Plumbing Systems Practical	12
PIPE-0003	Plumbing Systems Theory	9
PRAC-0037	Practicum - PIPE	3
WELD-0040	Related Welding	1.5
SCIE-0008	Science	3
PIPE-0002	Tools and Materials Practical	15
PIPE-0016	Tools and Materials Theory	9

*Note: Timelines, applicable industry experience, and teaching methodology will depend on program delivery choice; program information sheets subject to change without notice. Visit [assiniboine.net](http://assiniboine.net) for the most up-to-date information.*

## NEXT STEPS

Apply now! Visit [assiniboine.net/applynow](http://assiniboine.net/applynow).  
For more information on this program, visit [assiniboine.net/piping](http://assiniboine.net/piping).