

# 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.

## PROGRAM LEARNING OUTCOMES

- ▶ Complete all work in compliance with the rights and conditions of contractual obligations, provincial and/or national codes, applicable laws, bylaws, standards and ethical practices in the plumbing and piping field.
- ▶ Comply with health and safety practices and procedures in accordance with current legislation and regulations.
- ▶ Prepare and assemble pipes.
- ▶ Install, test, and service sewers, sewage treatment systems and drainage, waste and vent (DWV) systems.
- ▶ Install, test, and service water service and distribution.
- ▶ Install, test, and service fixtures, appliances and water treatment systems.
- ▶ Install, test, and service low pressure steam and hydronic heating and cooling systems.
- ▶ Install, test, and service fire protection systems.
- ▶ Install, test, and service specialized systems.
- ▶ Develop and use strategies for ongoing professional development to remain current with industry changes, enhance work performance and explore career opportunities.
- ▶ Communicate and collaborate with diverse clients, supervisors, coworkers and tradespersons to complete projects on time and to maintain effective working relationships.

## A CAREER IN THIS FIELD IS A GOOD FIT FOR YOU IF YOU WOULD ENJOY OR HAVE...

- ▶ A physically demanding occupation.
- ▶ A strong technical aptitude for understanding complex piping systems and how they work.
- ▶ Adapting to changing situations and work effectively in a variety of settings.
- ▶ Having attention to detail.
- ▶ Troubleshooting problems and come up with effective solutions.
- ▶ Working in tight spaces, climb ladders, and lift heavy objects.



**Campus/Delivery Options**  
North Hill campus



**Available Intakes**  
September



**Work Integrated Learning**  
3 weeks

# EXPECTATIONS

## Program and Industry

- ▶ Be reliable, punctual, and regularly attend work.
- ▶ A valid driver's license and access to a vehicle is strongly recommended given the potential need to travel for practicum placement.
- ▶ Communicate effectively with others including suppliers, co-workers, other trades people, safety and building inspectors, manufacturer representatives, customers, and co-workers and apprentices.
- ▶ Complete responsibilities requiring standing, stooping, bending, and climbing.
- ▶ Demonstrate safety-conscious attitudes and work practices.
- ▶ Have the strength, dexterity, balance and stamina required to work in or on equipment.
- ▶ Interpret technical documents, drawings, specifications, regulations, bylaws and standards.
- ▶ Listen to direction and act on that accordingly.
- ▶ Move around and work within the learning environment, negotiating different areas including stairs and ladders, confined spaces, heights, uneven terrain and scaffolds.
- ▶ Work in a collaborative team environment or independently as the situation requires.
- ▶ Work in noisy, dusty and/or fumes areas with appropriate personal protective equipment.
- ▶ Work in shifts, schedules, and conditions that are unique to the industry.
- ▶ Work outdoors in extreme warm and cold weather conditions (+30°C to -40°C).

## CAREER OPPORTUNITIES

- ▶ Plumbing and heating contractors
- ▶ Industrial piping contractors
- ▶ Public utilities
- ▶ Wholesale suppliers
- ▶ Fire sprinkler installers
- ▶ Water and waste water treatment facilities
- ▶ Maintenance companies

## ADMISSION REQUIREMENTS

- ▶ A complete Manitoba Grade 12 or equivalent
- ▶ Consumer/Essential Math 40S or equivalent

## Next Steps

Confidence in the career path you choose to embark on is key and selecting the right program for you is the first step. At Assiniboine, we offer an opportunity to explore and experience a program before applying. Choose to:

### SPEND A DAY WITH US

Our Spend a Day program runs from November to March for most programs. When you spend a day at Assiniboine, we partner you with a current student in the program of your choice so you have the opportunity to:

- ▶ Participate in classroom activities
- ▶ Experience college life
- ▶ Explore all of our helpful services for students
- ▶ Meet current college students and instructors
- ▶ Enjoy a free lunch on us!

[assiniboine.net/spendaday](http://assiniboine.net/spendaday)

### ATTEND AN ONLINE INFO SESSION

Our free, live online information sessions give you the inside scoop on our college, the program you're interested in and life at Assiniboine. Register in advance and from the comfort of your own home, log in to learn what Assiniboine has to offer.

[assiniboine.net/infosessions](http://assiniboine.net/infosessions)



Ready to start?  
**Apply Now!**



[assiniboine.net/piping](http://assiniboine.net/piping)