

Piping Trades

(one year (9 months) post-secondary program)

Please read and think about the following information below carefully to decide whether this program is a good fit for you. This information may change and is simply intended to offer you a helpful perspective on what you will experience in this program.

Orientation: Typically, during the last week of August (**Required** for all students).

Program Dates: September through April (courses); May (Practicum)

Scheduled Breaks: Last week of December and first week of January (two weeks); first week of March (one week). Check your registration for exact dates.

Post-Graduation

Work Permit length: Up to 9 months.

Schedule: Monday to Friday as early as 8:00 a.m and as late as 6:00 p.m.

Campus Location: 1035 1st Street North, Brandon, Manitoba. See campus information [here](#)

What You'll Study:

Start with shop safety; this is a focus in the whole program and in every job.

Theory and practical courses in plumbing and heating; related skills in blueprint reading, welding, math, science, communications and tools & materials.

Learn about furnaces, heating, air conditioning and air exchange systems, water treatment, fire sprinkler systems, water & sewer and sheet metal.

Instructors will emphasize the importance of safety and protection of the environment.

Read more under "Overview" and "Courses and Costs" [here](#).

See PDF document on [this page](#).

How You'll "Learn By Doing"

You'll apply your learning and skills with industry-relevant tools and a wide variety of equipment from different trades. You will practice installation and troubleshooting procedures related to common heating and plumbing functions.

There is a special emphasis in this program on the role of plumbing in public health and wastewater management concerns.

Approximately 40% of program learning will be practical, "hands-on" learning and evaluation; 60% will be "lectures" and theory examinations.

Minimum 120 hour work practicum at end of program.

See video about the program here: <https://youtu.be/HX3KyDjuBK4>

What You'll Need to Do to Graduate

- **Attend** all classes and activities. **Arrive on time** every day. Participate fully and ask questions.
- Ask instructors or advisors for help when you need it, and ask for help early!

- **Purchase all required books and supplies;** most required during first or second week of program.
- Work co-operatively in teams and behave respectfully towards all students, staff and partners. **English only.**
- **No personal cell phone use** during class activity.
- **Manage physical demands:** Working outdoors in extreme warm, cold or rainy weather conditions; using ladders and working in high places; crawling into small places; good hand-eye coordination and ability to use tools; lifting equipment or heavy objects. Good vision will be important. The shop or work location may have high noise levels.
- **Maintain shop safety practices.**
- You will need a **co-op work permit** for Practicum; apply **early!** See [here](#).
- **Pass all courses with a C (60%).** Re-testing is generally not an option. If you fail a course, it will not be available again until the following year, and could result in an “unscheduled break”.
- All English skills (reading, writing, listening, speaking) are important. Evaluation can include tests, group projects, practical demonstrations of skills, and presentations.
- **Do your own work.** Cheating, not referencing sources of your ideas, or using other people’s work could result in failing grades/suspension.

Required textbooks and supplies (NOT included in tuition):

- ✓ personal protective equipment (PPE) (steel toed boots, safety glasses, hard hat, hearing protection, gloves, and coveralls) (approximately **\$350**, purchased outside the college, necessary in **first week** of program)
- ✓ required textbooks (approximately **\$625**; purchased from college bookstore)
- ✓ pens/paper/notebook and scientific calculator (approximately **\$60**, purchased outside the college)
- ✓ required tools (approximately **\$400**, purchased at “tool fair” during **second week** of program)
- ✓ Access to a computer/laptop with camera, microphone and Microsoft Office software.

How Assiniboine College Can Help You

- Trained instructors will share their knowledge and experience from the industry, and will give you frequent and specific feedback on your progress.
- Learning Commons staff available to assist with study skills, like test-taking and writing papers.
- Student advising staff can offer support for personal issues.
- A Regulated International Student Immigration Advisor can answer questions related to permits.

Job Options for Graduates

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

Some jobs will require working outside, sometimes in unpleasant weather, or in unheated buildings. Some jobs will require evening and weekend work and/or long hours of work, especially in the spring/summer/fall months.

Almost all jobs will require a **valid Manitoba driver’s license**. See information [here](#) and [here](#).

Possible jobs on Manitoba In-Demand Occupations list: [Plumbers](#); [Heating, refrigeration and air conditioning mechanics](#)

Other Important Information

This program has a **strict** attendance and punctuality policy.

All students **must wear personal protective equipment (PPE)** (see list above) as required by Manitoba Workplace Safety and Health Legislation. If a student has any doubt about wearing the required PPE they should contact the Chair of the program to discuss **before** choosing the program.

Completion of this program with an average of 70% could qualify you for credit in Level 1 in-school technical training and 900 hours in the Carpenter trade with Apprenticeship Manitoba; all decisions will be Apprenticeship Manitoba's. See [here](#) for information about apprenticeship.

“Co-op work permit” will be required by Immigration, Refugees and Citizenship Canada before you start the practicum placement. Your letter of acceptance will allow you to apply. Apply for this **early**, as processing time is very long! See IRCC website [here](#).