

CERTIFICATE

- Red Seal Certification
- One year
- September start
- Bonavista Campus

COURSES

CODE	TITLE	Hrs
Block 1	Entry Level	
TS1510	Occupational Health and Safety	6
TS1520	WHMIS	6
TS1530	Standard First Aid	14
PF1020	Job Site Safety	9
PF1340	Tools and Equipment	75
PF1350	Blueprint I (Basic Residential)	30
PF1360	Blueprint II (Advanced Residential/ Light Commercial)	30
PF1370	Rigging	39
PF1380	Introduction to Fuel Brazing and Cutting	45
PF1390	Pipe and Tubing Fundamentals	15
PF1401	Steel Piping	60
PF1410	Copper Piping	45
PF1425	Plastic Piping	75
PF1430	Brass Piping	15
PF1440	Piping Valves	30
PF1450	Hydronic Heating I	60
PF1610	Cast Iron Piping	18
PF1620	Non-Metallic Piping	6
PF1630	Water Service	6
PF1640	Hot and Cold Water Supply	30
PF1650	Hot Water Storage Tanks and Heaters	18
PF1660	Water Treatment Systems	6
PF1670	Residential Sanitary Drainage	60
PF1680	Residential Venting	45
PF1691	Storm Systems	13
PF1700	Commercial Drainage, Waste and Venting I	21
PF1710	Residential Appliances, Fixtures and Trim	30
PF1720	Rural Waste Disposal	15
PF1731	Introduction to Electric Welding & Cutting	24
MA1060	Basic Math	60
CM2150	Workplace Communications	45
MR1220	Customer Service	30
SP2330	Quality Assurance / Quality Control	30
MC1050	Introduction to Computers	30
SD1700	Workplace Skills	30
SD1710	Job Search Techniques	15
SD1720	Entrepreneurial Awareness	15
Block 2	Advanced Level	Hrs
PF2100	Blueprint III (Heavy Commercial / Industrial)	30
PF2110	Aluminum Piping	9
PF2121	Hydronic Heating II	54
PF2130	Introduction to Electricity	15
PF2150	Introduction to Gas Piping I (Low Pressure)	30
PF2160	Standpipe Systems	12
PF2170	Medical Gas Systems	21
PF2250	Fire Protection Systems	6
PF2260	Residential Sprinkler Systems	6
PF2271	Commercial Drainage, Waste and Venting II	30
PF2280	Commercial Appliances, Fixtures and Trim	30
PF2350	Renewable Energy Systems	21
PF3100	Fire Protection	18
Block 3	Advanced Level	Hrs
PF2310	Cross Connection Control Devices	45
PF2320	Introduction to Gas Piping II (High Pressure)	30
PF2510	Compressed Air and Vacuum Systems	21
PF2520	Chilled Water Systems	12
PF2530	Solar Heating Systems	6
PF2540	Rural Water Supply	45
PF2550	Historic Piping	6
PF2560	Food Processing Systems	6
PF2570	Commercial Drainage, Waste and Venting III	33
PF2580	Industrial / Commercial Appliances, Fixtures and Trim	18
PF2590	Lawn Sprinkler Systems	6
PF2601	Swimming Pool Systems	6
PF3130	Commissioning	12

INDUSTRIAL TRADES

Plumber

This program prepares you to install and repair pipes, fixtures and other plumbing equipment for water distribution and waste water disposal in residential, commercial and industrial buildings. Some of your duties include: read blueprints, drawings and specifications to determine layout of plumbing system, water supply network and waste and drainage systems, install, repair and maintain domestic, commercial or industrial plumbing fixtures and systems, locate and make positions for pipe connections, passage holes and fixtures in walls and floors, cut opening in walls and floors to accommodate pipe and pipe fittings, measure, cut, bend and thread pipes using hand and power tools or machines, join pipes using couplings, clamps, screws, bolts, cement or soldering, brazing and welding equipment, test pipes for leaks using air and water pressure gauges. You should have good physical strength, stamina and agility and have the ability to work alone or with others. The work environment varies, weather when you are roughing in, more protection for finishing and often comfortable conditions for maintenance and repair work. You will probably work a five day, forty hour week with overtime when required.

OUTCOMES

1. Demonstrate safe work practices and personal protection.
2. Plan work activity.
3. Use and maintain hand and portable power tools and equipment.
4. Prepare pipe for installation.
5. Install support systems.
6. Install private sewage systems.

ENTRANCE REQUIREMENTS

Eligibility for admission requires the applicant to meet one of the following academic criteria:

1. High School

High School Graduation

2. Comprehensive Arts and Science (CAS) Transition

Comprehensive Arts and Science (Transition) Certificate

3. Adult Basic Education

Adult Basic Education (Level III) Graduation with General College Profile (or Business Related College Profile or Degree and Technical Profile). It is strongly recommended that courses include the following:

- i. Mathematics MA3107A, MA3107B, MA3107C
- ii. Science 3101, 3102, 3103

4. Mature Student Status

Applicants who do not meet the educational prerequisites, are 19 years of age or older and have been out of school for at least one year, may be considered on an individual basis under the Mature Student Clause.

EMPLOYMENT OPPORTUNITIES

You will find employment with construction contractors and plumbing repair shops. As you gain experience, you may move into a supervisory position or estimator. You also have the option of becoming self-employed.

