

## CERTIFICATE

- One year
- September start
- Clarenville Campus

### COURSES

CODE	TITLE	Hrs
<b>Block 1</b>	<b>Entry Level</b>	
TS1510	Occupational Health and Safety	6
TS1520	WHMIS	6
TS1530	Standard First Aid	14
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
PF1400	Steel Piping	90
PF1410	Copper Piping	45
PF1420	Plastic Piping	45
PF1430	Brass Piping	15
PF1440	Piping Valves	30
PF1450	Hydronic Heating I	60
PF1540	Low Pressure Steam	90
PF1550	Pipe Template Development	75
PF1560	Pipe Layout and Fitting Fabrication	72
PF1570	Introduction to Electric Welding and Cutting	72
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
<b>Block 2</b>	<b>Advanced Level</b>	<b>Hrs</b>
PF2100	Blueprint III (Heavy Commercial / Industrial)	30
PF2110	Aluminum Piping	9
PF2120	Hydronic Heating II	60
PF2130	Introduction to Electricity	15
PF2150	Introduction to Gas Piping I (Low Pressure)	30
PF2160	Standpipe Systems	12
PF2170	Medical Gas Systems	21
PF2700	Instrumentation	21
PF2710	Pipe and Tube Bending	30
PF2720	Specialty Steamfitting / Pipefitting Systems	12
<b>Block 3</b>	<b>Advanced Level</b>	<b>Hrs</b>
PF2730	Pumps / Compressors and Hydraulic Systems	135
PF2740	Valves	30
PF2750	High Pressure Steam	75
<b>Block 4</b>	<b>Advanced Level</b>	<b>Hrs</b>
PF2310	Cross Connection Control Devices	45
PF2320	Introduction to Gas Piping II (High Pressure)	30
PF2760	Refrigeration	30
PF2770	Stainless Steel and Specialty Piping	27
PF2780	Blueprint IV	39
PF2790	Advanced Rigging	39
PF2800	Controlled Bolting, Testing and Commissioning	30

## INDUSTRIAL TRADES

# Steamfitter/Pipefitter

This is a program designed to prepare persons for employment in the steamfitter/pipefitter trade.

The Provincial Apprenticeship and Certification Board through legislative authority is responsible for the registration of apprentices and trade qualifiers into the designated occupations.

The registration of an apprentice will take place when an individual is employed in a field of work directly relating to a designated occupation, and has a Memorandum of Understanding (MOU) signed between the Division of Institutional and Industrial Education, an employer and the apprentice.

After successful completion of this program, and the required work experience, the apprentices qualify to return to complete advanced level training in preparation for writing the Journeyman's Examination.

### OBJECTIVES

1. To develop skills in the use of the tools of the trade.
2. To develop good work habits and attitudes for employer and co-worker relations.
3. To develop good safe working attitudes on the job.
4. To provide related academic support skills and knowledge in mathematics, communication skills and science.

### ENTRANCE REQUIREMENTS

Comprehensive Arts and Science Certificate (College Transition program),

**OR**

High School Graduation,

**OR**

Grade XI Certificate (Public Examinations or equivalent),

**OR**

Adult Basic Education (Level III) Graduation,

**OR**

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:

1. Mathematics MA3107A, MA3107B, MA3107C

2. Science 3101, 3102, 3103

**OR**

Persons 19 years of age or older who do not meet the educational prerequisite may be considered on an individual basis under the Mature Student Clause.

### EQUIPMENT REQUIRED FOR TRAINING

Safety hat, safety boots, safety glasses, coveralls, welding goggles, welding gloves, four meter tape, Math set (metric/imperial).

