

## CERTIFICATE

- One year
- September start
- Burin 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
SL1100	Safety	7
SL1110	Tools and Equipment	45
SL1120	Material Handling and Rigging	20
SL1130	Fabrication	45
SL1140	Metallurgy	20
SL1150	Basic Drawing and Layout	30
SL1160	Blueprint Reading I (Basic)	15
SL1170	Blueprint Reading II (Advanced)	90
SL1240	Layout and Fabrication Parallel Lines I	45
SL1250	Layout and Fabrication Radial Lines I	45
SL1260	Layout and Fabrication Triangulation I	45
SL1350	Oxy-Acetylene Welding and Cutting	30
SL1360	Shielded Metal Arc Welding (SMAW)	90
SL1610	Layout and Fabrication Parallel Lines II	60
SL1620	Layout and Fabrication Radial Lines II	60
SL1630	Layout and Fabrication Triangulation II	60
SL1740	Air Quality Management	60
OT1190	Workplace Exposure	60
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	20
SD1720	Entrepreneurial Awareness	15
<b>Block 2</b>	<b>Advanced Level</b>	
SL1370	Gas Metal Arc Welding (GMAW)	30
SL1700	Layout and Fabrication Parallel Lines III	90
SL1710	Layout and Fabrication Radial Lines III	90
SL1770	Soldering	30
<b>Block 3</b>	<b>Advanced Level</b>	
SL1540	Installation	60
SL1550	HVAC Systems	90
SL1750	Gas Tungsten Arc Welding (GTAW)	90
<b>Block 4</b>	<b>Advanced Level</b>	
SL1530	Cost Estimation	45
SL1720	Advanced Layout and Fabrication	90
SL1730	Automatic Controls, Instruments and Testing	45
SL1760	Fabricates and Installs Architectural Sheet Metal Products	60

## INDUSTRIAL TRADES

# Sheet Metal Worker

This program is designed to prepare trainees for employment opportunities in the field of Sheet Metal Work. Sheet Metal Workers fabricate, assemble, install and repair sheet metal products.

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 the entry-level program, and the required work experience, the apprentices qualify to return to complete advanced level training in preparation for writing the Journeyperson's Examination.

### OBJECTIVES

1. To develop an awareness of the concern for good safety practices in the work place.
2. To develop and apply related academic knowledge to support and complement the professional training.
3. To develop basic knowledge and skill required to work as an apprenticed Sheet Metal Worker.
4. To develop the good work habits and attitudes desired by employers.

### 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 possess the educational prerequisite for this program may be considered on an individual basis under the Mature Student Clause.

### EQUIPMENT REQUIRED

Safety boots, safety hat, safety glasses, coveralls, gloves

