

CERTIFICATE

- One year
- September start
- Placentia Campus

COURSES

CODE	TITLE	Hrs
Block 1	Entry Level	
TS1510	Occupational Health and Safety	6
TS1520	WHMIS	6
TS1530	Standard First Aid	14
RK1100	Safety	30
RK1110	Tools and Equipment	60
RK1120	Blueprint Reading I (Principles)	30
RK1130	Blueprint Reading II (Structural)	60
RK1140	Blueprint Reading III (Rebar)	45
RK1150	Oxy-Fuel and Plasma Arc Cutting	45
RK1160	Electric Arc Welding and Arc Air Gouging	90
RK1170	Rigging I (Hardware)	30
RK1180	Rigging II (Procedures)	30
RK1190	Rigging III (Load Handling)	30
RK1200	Conventional and Hydraulic Cranes	60
RK1210	Decking and Grating	30
RK2100	Structural Steel I (Preparation)	30
RK2110	Structural Steel II (Erection)	120
RK2120	Structural Steel III (Plumbing and Securing)	60
RK2130	Job Planning, Coordination and Site Preparation	60
RK2140	Dismantling	60
RK2150	Post-tensioning	45
RK2160	Robotic Equipment	15
RK2170	Ornamental and Miscellaneous Ironwork	120
RK2180	Pre-cast Concrete	30
RK2190	Tower Cranes	30
RK2200	Derricks and Electric Overhead Travelling (EOT) Cranes	30
RK2210	Reinforced Concrete I (Principles)	60
RK2220	Reinforced Concrete II (Pre-assembly and Installation)	60
RK2230	Temporary Access Structures and Working Platforms	60
RK2240	Storage Tanks, Bins and Hoppers	30
RK2250	Pre-Engineered Buildings	30
RK2260	Wooden Structures	15
RK2270	Reinforced Concrete III (Fabrication)	60
RK2280	Falsework	30
RK2290	Curtain Walls	60
CM2150	Workplace Correspondence	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

INDUSTRIAL TRADES

Ironworker (Generalist)

The Ironworker program is designed to train individuals in the knowledge and skills associated to fabricate, erect, hoist, install, repair and service structural ironwork, pre-cast concrete, concrete reinforcing materials, curtain walls, ornamental iron and other metals used in the construction of buildings, bridges, highways, dams and other structures and equipment.

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 provide the appropriate learning opportunities required for employment as an Ironworker.
2. To develop an awareness of and concern for safety practices in the workplace.
3. To develop and strengthen related knowledge and skills in subjects that complement and support the trade.

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 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

