



Selkirk College

# Metal Fabrication

*This 23-week program prepares learners for entry level positions as metal fabricators employed in fabrication shops associated with manufacturing, shipbuilding, forestry, mining, construction, transportation and oil and gas industries.*

Students engage in a variety of classroom and shop activities. They learn theoretical principals of the trade in the classroom and then apply their knowledge in the shop where they master the skills employed in the fabrication of steel structures, vessels, containers and equipment.

## ADMISSION REQUIREMENTS

- Graduation from a British Columbia Senior Secondary School or equivalent
- Foundations & Pre-Calculus 10, or Apprenticeship Workplace 11, or Principles 10, or Applications 11, or Essentials 12, or Selkirk ABE Math 46, with a grade of "C" or better
- English 10 with a "C" or better
- Consideration will be given to mature individuals (19 years or older) who are not senior secondary school graduates, provided they are working to complete the recommended education:
  - Grade 10 or equivalent including English 10, Mathematics 10 and Science 10
  - Grade 12 preferred

## CURRICULUM

Metal Fabrication is also an excellent program for welders to expand on their skills and increase employment options in the industry across Canada.

- Reading drawings and blueprints
- Materials burning and welding
- Metallurgy
- Plate and structural pattern development, section fabrication and layout techniques
- Safe work practices
- Surface prep and finishing methods
- Trade math solutions
- Trade tool and shop equipment usage

## ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions.

A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counsellor to learn more or get in touch with our ITT Admin Assistant by email or phone: 1.866.301.6601 ext. 13221.

## METAL FABRICATOR APPRENTICESHIP

Upon successful completion of the Level 4 technical training session, apprentices write the Interprovincial Trade Qualification examination. Those who pass the exam and complete the work-based hours earn the BC Certificate of Apprenticeship, the BC Certificate of Qualification, and the Interprovincial Standard Red Seal Endorsement.

## AT A GLANCE: FOUNDATION

LENGTH OF STUDY:  
23-Week

ACCREDITATION:  
Technical Training

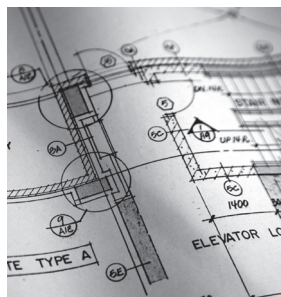
CAMPUS:  
Silver King, Nelson

## AT A GLANCE: APPRENTICESHIP

LENGTH OF STUDY:  
5-Week

ACCREDITATION:  
Technical Training

CAMPUS:  
Silver King, Nelson



# YOUR PATHWAY TO LEARNING A TRADE

Many start their apprenticeship after they graduate high school through direct entry into the workforce.

You can save some of the labour and ladder into a Level 2 apprenticeship through **Selkirk's Foundation programs** and the **ACE-IT program** for highschool students. Speak to your high school counsellor for more information.



## Lay the Foundation

Start with 18-36 weeks during your grade 12 year or after high school graduation.

Programs include Carpentry Foundation, Electrical Foundation, Hairstylist, Heavy Mechanical, Metal Fabricator, Millwright/Machinist, Professional Cook Training and Welding.



On completion of Foundation Training/ACE IT, most students qualify for entry into Level 2 apprenticeship in the following areas:

- Carpentry
- Electrical
- Heavy Mechanical
- Metal Fabricator
- Millwright/Machinist
- Welding

PLANT OPERATOR



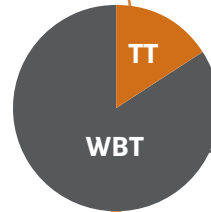
Practicum  
6 wks

HAIRSTYLIST



WBT  
2,100 hrs

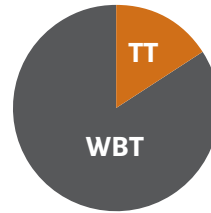
Technical Training



WBT

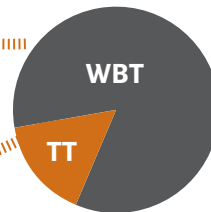
Workbased Training (WBT)

\$\$ Level 2



WBT

\$\$\$ Level 3



WBT

\$\$\$\$ Level 4



Industry  
Recognized  
Certificate of  
Completion



Certificate of  
Qualification



Certificate of  
Apprenticeship