

Metal Fabrication: Apprenticeship

Faculty of Trades and Technology	kwantlen.ca/trades
Metal Fabrication	kwantlen.ca/trades/metal_fabrication
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kwantlen.ca/admission

DESCRIPTION

The Metal Fabrication apprenticeship requires apprentices to complete four levels of in-school technical training each 5 weeks in length and 6400 work-based hours all designed to meet the competency standard and profile defined by industry. Additional information is available from our program website at: kwantlen.ca/trades/metal_fabrication

PROGRAM ADMISSION REQUIREMENTS

In addition to Kwantlen's General university admission requirements, the following program admission requirements apply:

- An ITA Individual ID number (ITA-ID) is required. If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to admission (Level 1 through to 4).

Note: International student Application for Admission requires approval of the Dean.

PROGRAM REQUIREMENTS

Metal Fabrication Level 1 (AMFB 1010)

- Introduction to the Trade
- Use Safe Work Practices
- Solve Trade Mathematics Problems
- Use Trade Tools
- Use Shop Equipment
- Burn and Weld Metals
- Read Drawings
- Use Material Handling Equipment
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Use Surface Preparation and Finishing Methods
- Fabricate Plate and Structural Sections

Metal Fabrication Level 2 (AMFB 1020)

- Solve Trade Math Problems
- Use Shop Equipment
- Burn and Weld Metal
- Read Drawings
- Use Material Handling Equipment
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Fabricate Plate and Structural Projects

Metal Fabrication Level 3 (AMFB 1030)

- Solve Trade Math Problems
- Use Shop Equipment
- Read Drawings
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Fabricate Plate and Structural Sections

Metal Fabrication Level 4 (AMFB 1040)

- Solve Trade Math Problems
- Use Trade Tools and Shop Equipment
- Read Drawings
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Fabricate Plate and Structural Sections
- Describe Basic Metallurgy and Testing Techniques
- Use Testing and Inspection Methods
- On-site Installation

OTHER INFORMATION

Special Equipment

Students will require appropriate safety wear in conformance with WorkSafeBC regulations. A list of required tools will be provided by Admissions prior to starting this program

CREDENTIAL AWARDED

Upon successful completion of an apprenticeship level, Kwantlen will report your technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.