

# Metal Fabrication: Apprenticeship

<b>Faculty of Trades and Technology</b>	
kwantlen.ca/trades	
<b>Metal Fabrication</b>	
kwantlen.ca/trades/metal_fabrication	
<b>IMPLEMENTATION DATE</b>	<b>START DATE(S)</b>
01-Sep-2011	Varies
<b>ADMISSION TYPE</b>	<b>ENROLMENT TYPE</b>
Fixed term	Limited enrolment
<b>PROGRAM TYPE</b>	<b>CREDENTIAL GRANTED</b>
Vocational	No Credential
<b>OFFERED AT</b>	<b>FORMAT</b>
Cloverdale	Full-time
<b>HOW TO APPLY</b>	
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](http://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](http://www.itabc.ca)) prior to admission (Level 1 through to 4).

## CONTENT

### 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

### **GRADUATION**

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.