

Metal Fabrication: Citation (Foundation)

Faculty of Trades and Technology	kwantlen.ca/trades
Citation in 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	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kwantlen.ca/admission

DESCRIPTION

In this 23 week program students will be educated in the theoretical and practical skills that industry requires of graduates to be job-ready as Metal Fabrication apprentices. Students will learn the interpretation of technical drawings and layout of metal components, cutting, burning, sawing, shear, punching, drilling, and shaping of those components, through to assembly and welding or fastening to create the finished product. They will develop the necessary habits concerning safety and the proper use of time, machinery, materials, and the work skills required to be a competent trade's person in today's workforce.

Additional information is available on our program website at kwantlen.ca/trades/metal_fabrication

Students who complete the Foundation program are eligible for credit for the first level of apprenticeship in-school technical training, as well as 450 work-based hours toward completion of the Metal Fabrication apprenticeship program.

For further information about the trade please check the Red Seal website: www.red-seal.ca.

PROGRAM ADMISSION REQUIREMENTS

In addition to Kwantlen's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply:

- English:
- Mathematics:
- Interview by an instructor

Notes:

- International student Application for Admission requires approval of the Dean.
- Physics 11 is an asset but not a requirement.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills

and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

Required Courses:

ENGT 1015	Communication Skills for Trades I	1.5 credits
MATT 1015	Mathematics/Science for Manufacturing and Mechanical Trades 1	3.0 credits
MFAB 1100	Safe Working Procedures	2.5 credits
MFAB 1110	Trade-specific Tools	2.0 credits
MFAB 1115	Basic Stationary Power Equipment	2.0 credits
MFAB 1120	Oxy-fuel and Cutting Equipment	2.0 credits
MFAB 1125	Welding for Metal Fabrication	2.5 credits
MFAB 1130	Read Basic Drawings	2.0 credits
MFAB 1141	Basic Metal Fabrication	4.0 credits
MFAB 1150	Metallurgy Theory	1.5 credits

OTHER INFORMATION

Special Equipment

Students will require appropriate personal safety equipment, including high-top steel-toed safety boots, safety glasses, safety gloves, welding gloves, respirator (silicone half-mask type with cartridges for organic vapours and particulate filters) and cotton coveralls. Students are also required to have hand tools and a tool box for shop use. They will be provided with instruction on hand tool requirements and a list of tools required for practical work.

Text Books

Students are required to purchase their own text book for each level of the program. They will be instructed on which text books are required on the first day of each program. Text books can be purchased at the Kwantlen Book Store.

CREDENTIAL AWARDED

Upon successful completion of the program, students are eligible to receive a **Citation in Metal Fabrication** and a Metal Fabricator's Logbook.

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