

Millwright/Industrial Mechanic: Citation (Foundation)

Faculty of Trades and Technology	
kwantlen.ca/trades	
Millwright	
kwantlen.ca/trades/millwright	
IMPLEMENTATION DATE	START DATE(S)
01-Sep-2011	Varies
ADMISSION TYPE	ENROLMENT TYPE
Fixed term	Limited enrolment
PROGRAM TYPE	CREDENTIAL GRANTED
Vocational	Citation
OFFERED AT	FORMAT
Cloverdale	Full-time
HOW TO APPLY	
www.kwantlen.ca/admission	

DESCRIPTION

In this 24 week program students will be educated in theoretical knowledge and trained in the practical skills that industry requires of graduates to be job-ready as Millwright apprentices. Particular attention is paid to ensuring that all students gain critical core knowledge, appropriate trade skills, a professional attitude, employability skills, and the academic components necessary to continue on their post-secondary career path. Students will gain skills and knowledge in the areas of machine tool use, as applied to mechanical maintenance and construction. Additional information is available on our program website at: kwantlen.ca/trades/millwright.

This program is based upon the Provincial Outline for the millwright trade. Students who complete the Foundation program are eligible for credit for the first level of apprenticeship in-school technical training, as well as receive 425 work-based training hours toward completion of the Millwright/Industrial Mechanic apprenticeship program.

For further information about the trade please check the Red Seal website.

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.

- Interview with the instructor
- Adequate reading comprehension and math skills as assessed by Kwantlen (Physics 11, Math 11 and 12 would be an asset)

Students with mental or physical impairments who may require program or practicum accommodations should contact the Program Coordinator at 604.598.6139 to discuss required skills

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

CONTENT

Hands-on shop experience is the basis on which skills are developed. Various forms of classroom and shop instruction including lectures, labs, shop assignments, team assignments, practical demonstrations, hands-on training, structured projects, individual demonstration of technical skills, and group lectures will be utilized. Also, independent study modules and directed studies modules supplemented with a wide selection of audiovisual material are available where necessary. The program focuses on direct contact between students and faculty. In addition, the expertise of other departments will be utilized to deliver specialized courses.

Speaking the language of the trade is necessary for the graduate in dealing with other trades and service people, distributors and manufacturers. Students will be required to gain proficiency in trade terminology and interpersonal and employability skills.

The student will develop the safe work habits, knowledge and ability required in industry today.

Required Courses:

ENGT 1015	Communication Skills for Trades 1	1.5 credits
MATT 1015	Mathematics/Science for Manufacturing and Mechanical Trades 1	3 credits
MWIN 1101	Millwright Trade Safety	2 credits
MWIN 1105	Print Reading and Sketching	2 credits
MWIN 1111	Measuring and Layout Tools	2 credits
MWIN 1121	Hand Tools and Bench Work	1 credit
MWIN 1131	Power Hand Tools	1 credit
MWIN 1140	Machine Tool Basics	4 credits
MWIN 1150	Machine Tools	2 credits
MWIN 1160	Fasteners and Fittings	1 credit
MWIN 1170	Metallurgy	1.5 credits
MWIN 1180	Level 1 Welding for Millwrights	2.5 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students are required to supply the appropriate personal safety equipment steel-toed safety boots and coveralls.

GRADUATION

Upon successful completion of this program, students are eligible to receive a **Citation in Millwright/Industrial Mechanic**.

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.