

Industrial Mechanic/ Millwright: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Millwright / Industrial Mechanic	kpu.ca/trades/millwright
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Start Date(s)	Varies
Intake Type	Apprenticeship
Format	Full-time
Instructional Cycle	Fixed-term
Curriculum Effective Date	01-Sep-2019
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified as an Industrial Mechanic/Millwright by completing the Industrial Mechanic/Millwright apprenticeship program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Industrial Mechanic/Millwright apprenticeship levels 1, 2, 3, and 4. The in-school technical training for each level is 7 weeks in duration and includes an ITA standardized written exam for levels 1, 2, and 3. Additional information is available at: kpu.ca/trades/millwright.

The pathway to becoming a certified Industrial Mechanic/Millwright generally takes 4 years to complete the in-school technical training and work-based training hours. Millwright apprentices will be eligible to write the Red Seal Inter-Provincial Examination upon completion of all in-school technical training.

The Red Seal endorsement will be awarded upon completion of 6360 work-based training hours and is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Training Schedules

KPU apprentice training schedules and waitlists are published on Kwantlen Course Search. Additional apprenticeship training opportunities are listed on Trades Training BC; this is the hub for BC's Public Trades Training Programs & Services.

Financial Supports for Apprentices

Apprentices may be eligible for financial support for the in-class portion of their training through the EPBC Apprentice Program Financial Supports. Application to this program must be made four to six weeks prior to the start of technical training. Information is available through WorkBC.

Apprentices must apply separately for Employment Insurance (EI) Benefits no later than the last week of work, or during the first week of training, or they will not be eligible to receive EPBC

Apprentice Program Financial Supports. EI information can be obtained by visiting Service Canada.

The Canada Apprentice Loan is an initiative of the Government of Canada. As of January 2015, apprentices can apply for up to \$4,000 in interest-free loans per period of in-school technical training. Information is available at the Canada Apprentice Loan Service Centre.

GENERAL PREREQUISITES

The following requirements apply:

- Completed KPU Apprentice Registration
- Active apprentice registration in the BC Apprenticeship system.
- Valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). 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 enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

CURRICULAR REQUIREMENTS

Note: KPU Tech does not permit students to register in Apprenticeship Levels out of sequence.

The ITA is changing the Industrial Mechanic (Millwright) Program over the period from 2018 through 2021.

Millwright Level 1 (AMIL 1010)

Line A - PERFORM SAFETY RELATED FUNCTIONS

Line B - USE TOOLS AND EQUIPMENT

Line C - PERFORM ROUTINE TRADE ACTIVITIES

Line D - USE COMMUNICATION AND MENTORING TECHNIQUES

Line E - PERFORM MEASURING AND LAYOUT OF WORK PIECE

Line F - PERFORM CUTTING AND WELDING OPERATIONS

Line G - PERFORM RIGGING, HOISTING/LIFTING AND MOVING

Millwright Level 2 (AMIL 1020)

Line C – PERFORM ROUTINE TRADE ACTIVITIES

Line F – PERFORM CUTTING AND WELDING OPERATIONS

Line H – SERVICE SHAFTS, BEARINGS AND SEALS

Line I – SERVICE COUPLINGS, CLUTCHES AND BRAKES

Line J – SERVICE CHAIN AND BELT DRIVE SYSTEMS

Line K – SERVICE GEAR SYSTEMS

Line L – PERFORM SHAFT ALIGNMENT PROCEDURES

Millwright Level 3 (AMIL 1030)

Until December 2019:

- Service Pumps
- Service Fluid Power
- Service Power Transmissions
- Install Equipment
- Service Material Handling Systems

From January 2020:

- TBA

Millwright Level 4 (AMIL 1040)

Until December 2020:

- Service Prime Movers
- Trade Science
- Service Fluid Power
- Work Practices
- Install Equipment
- Service Compressors
- Operational Equipment Effectiveness

From January 2021:

- TBA

OTHER INFORMATION

Special Equipment

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

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.