

# INDUSTRIAL MECHANIC (MILLWRIGHT)

2022/2023



INDUSTRIAL MECHANIC APPRENTICESHIP

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# INDUSTRIAL MECHANIC APPRENTICESHIP

Apprenticeship is a method of gaining the expertise needed to become a skilled tradesperson. This is done through a combination of on-the-job and classroom training – earn while you learn.

Industrial Mechanics install, maintain, repair, and troubleshoot stationary industrial machinery and mechanical equipment in factories, production plants, and recreational facilities.

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## ADMISSION REQUIREMENTS

- ▶ At least 16 years old
- ▶ Meet the educational requirements for the trade:

### Minimum Requirements

- English 20-2
- Math 20-3
- Science 10
- *Or, a passing mark in all 5 GED Tests*

\*Mature students may also be admitted with a successful entrance exam.

\*\*Students should be aware that some employers may require a high school diploma as a prerequisite for employment.

## INDUSTRIAL MECHANIC:

- ▶ Read diagrams and schematic drawings to determine work procedures
- ▶ Operate rig equipment and dollies to move and place heavy machinery and parts
- ▶ Install, level and align large stationary compressors, gas turbines, steam turbines and other large industrial machinery
- ▶ Align and test equipment, and make any necessary adjustments
- ▶ Perform preventive and operational maintenance using procedures such as vibration analysis

## PROGRAM LENGTH

The Industrial Mechanic Apprenticeship consists of four 8-week classroom periods and three training periods on the job for a minimum of 1560 hours with your employer. Both can often be completed in four years or less.

## THE PROCESS

Once hired you will enter into a contract with your employer. This contract is then registered with the Apprenticeship and Industry Training (AIT) branch of Alberta Advanced Education and Technology. AIT will issue an identification card, a course outline booklet, and an apprenticeship record book.

You will receive an information package from AIT including a list of all the training opportunities available for your chosen trade for the academic year (July 1 to June 30), AIT's Apprenticeship Class Calendar, and enrollment instructions outlining application and admission procedures for the college you must then contact our offices to apply for an intake. Full tuition fees are due and payable at the time of application.

## GRADUATION

When all training has been completed, provincial examinations are set by industry and the Government of Alberta. Upon completion of the program, you will be certified by the province as a qualified tradesperson or journeyman. You may also write your Interprovincial Exam to receive Journeyman Red Seal Status.

## TO APPLY OR REGISTER

Apply to be a registered apprentice with Apprenticeship & Industry Training (AIT). Register with the college for the course; the application and tuition fees must be paid prior to your application being processed.

## CONTACT STUDENT SERVICES:

**TF** 1-888-882-2250    **F** 780-835-6788

**E** [studentinfo@nwpolytech.ca](mailto:studentinfo@nwpolytech.ca)    [nwpolytech.ca/apply](http://nwpolytech.ca/apply)

## FOR FURTHER INFORMATION:

**T** 780-539-2066    **F** 780-835-6788

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