

# INSTRUMENTATION AND CONTROL TECHNICIAN APPRENTICESHIP 2022/2023



INSTRUMENTATION AND CONTROL TECHNICIAN  
APPRENTICESHIP

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# INSTRUMENTATION AND CONTROL TECHNICIAN 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.

Instrument technicians install, maintain, and repair the measuring and control devices used in industrial and commercial processing. They work with a wide variety of pneumatic, electronic and microcomputer devices used to measure and control pressure, flow, temperature, level, motion, force, and chemical composition. With the industry becoming increasingly automated, instrument technicians are needed virtually anywhere that there are control and metering systems.

## ADMISSION REQUIREMENTS

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

### Minimum Requirements

- English 20-2
- Math 30-3
- Physics 30
- Chemistry 30

\*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.

## INDUSTRIES FOR EMPLOYMENT INCLUDE

- ▶ Pulp and paper processing
- ▶ Hydropower generation
- ▶ Mining
- ▶ Petrochemical and natural gas

## APPRENTICESHIP GRANTS

You could be eligible for up to \$4000!

Learn more at [nwpolytech.ca](http://nwpolytech.ca), or email:

[financialaid@nwpolytech.ca](mailto:financialaid@nwpolytech.ca)

## PROGRAM LENGTH

For Instrumentation, apprenticeship consists for four classroom periods and four training periods on the job with your employer.

## 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.

## 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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