






Apprenticeship Program Annual Update 2025-26 Instrumentation and Control Technician

Instrumentation and Control Technician Apprenticeship Education Program (AEP) Overview

	Consists of 4 periods of training.		Periods 1 & 2 consist of 1560 on-the-job (OTJ) instruction hours, while Periods 3 & 4 include 1500 OTJ hours.
	All periods of classroom instruction training are offered at NAIT, Northwestern Polytechnic, Red Deer Polytechnic, and SAIT as well as alternative providers.		The AEP was last updated in 2017. It is scheduled for a revision process beginning in 2028 for implementation in 2030.
	Post-secondary institutions, unions or associations may offer other programs related to the Instrumentation and Control Technician AEP. Contact your local post-secondary institution, union or association for offerings and availability		

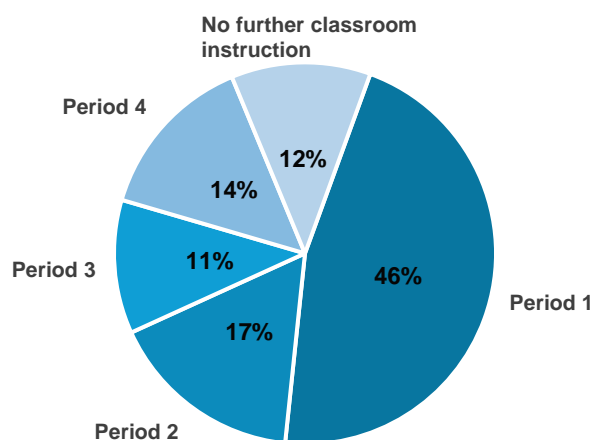
Helpful Tradesecrets Links for Apprentices

- **Instrumentation and Control Technician trade profile:** a detailed overview of the trade, giving a clear picture of what the trade involves, how training works, and what certification requires.
- **Classroom instruction:** provides detailed information on training content, enrollment, attendance expectations, delivery methods, and the policies apprentices must follow.
- **Class Catalogue:** an online tool that lets apprentices look up all available apprenticeship training classes for their specific trade and training year.
- **Apprenticeship Awards and Scholarships:** information on financial support for apprentices and high-school students entering or progressing through the trades.

2025-26 Alberta Instrumentation and Control Technician Statistics

Registered Apprentices by Period (as of April 1, 2026)

Percentage Breakdown



Number of Apprentices Per Period

Period 1	859
Period 2	308
Period 3	211
Period 4	265
No Further Classroom Instruction Required	220

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Apprentices by Office

Instrumentation and Control Technician Location	Bonnyville	Calgary	Edmonton	Fort McMurray	Grande Prairie	Hinton	Inter-provincial Services (IS)	Lethbridge	Medicine Hat	Peace River	Red Deer	Slave Lake	Vermillion	Trade Total
Report Total	43	325	611	91	303	135	41	14	48	26	157	28	41	1863

Apprenticeship and Industry Training (AIT) Exams Pass Rates

Below are the pass rates and exam averages from across the province from April 1, 2025, to April 1, 2026:

Exam	Pass	Fail	Supplemental	Total
Entrance Exam	118	42	-	160
Period 1	212	111	58	381
Period 2	162	30	23	215
Period 3	227	51	7	285
Period 4	148	33	5	186
Total trade	867	267	93	1227

Interprovincial Red Seal Program

- Instrumentation and Control Technician (ICT) is a [Red Seal trade](#) and is designated in 9 provinces and 3 territories in Canada. The current Red Seal Occupational Standard was finalized in 2020.
- A Red Seal Occupational Standard (RSOS) Alignment Review was completed April 13, 2026, and will be submitted to the RSOS Standards committee for review. Alberta will champion its perspectives in a national alignment discussion in fall of 2026 as the Standard is updated for ICT. The review achieved its goals of identifying needs within the RSOS draft, areas of alignment needed within the Alberta curriculum, and identifying priorities for the Apprenticeship Education Program Update to continue developing harmonization with national standards.

Instrumentation and Control Technician Red Seal Alberta Results

The Red Seal exam results for Alberta between January 1, 2025, and January 1, 2026.

Red Seal Endorsements	2022	2023	2024	2025
Apprentices issued Red Seal Endorsements	84	80	51	63
Other Individuals issued Red Seal Endorsements	2	4	2	13
Total trade	86	84	53	76

**Note: Red Seal endorsements are also issued to individuals other than those who have completed the Alberta apprenticeship program. The number includes individuals issued a Red Seal endorsement who were certified through Alberta's Trade Qualifier Program or industry training and certification program, and to individuals who successfully completed the interprovincial examination in Alberta rather than in the jurisdiction in which they were originally certified.*

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Instrumentation and Control Technician

Directing the Future of Alberta Skilled Trades and Apprenticeship

Apprenticeship education and the direction of the skilled trades in Alberta is a partnership between apprentices, employers, industry, training providers and government. The Alberta Board of Skilled Trades and the My Skilled Trades Network are two groups with responsibilities for directing the future.

Alberta Board of Skilled Trades (ABST)

ABST is responsible for advising the Minister of Advanced Education on the direction of Alberta's designated trades certification system. To learn more about ABST and its members, visit [ABST](#).

My Skilled Trades Network (MySTN)

MySTN is the AIT consultation network where experienced tradespeople can volunteer to provide feedback that helps shape apprenticeship education, exams, and training resources. It is hosted on the Tradesecrets website and is open to anyone with experience in an Alberta designated trade. To apply to join the network at learn more, visit [MySTN](#).

We value your feedback!

If you have specific feedback about this trade you want to share with us, please email

TradeIndustryFeedback@gov.ab.ca

and include the trade name in the subject line.