

## Find out how to get started in your new career today!

Visit our website or contact Apprenticeship and Industry Training at 1-800-248-4823 (1-800-AIT-4823) toll free in North America. Outside North America, dial +1-403-476-9757 (long distance charges will apply).

Apprenticeship and Industry Training office locations:

**Bonnyville**  
Provincial Building, Floor 2  
Box 8115, 4902 - 50 Avenue  
T9N 2J4

**Calgary**  
Willow Park Centre, Suite  
200, Floor 2  
10325 Bonaventure Drive SE  
T2J 7E4

**Edmonton**  
Feltham Centre (CAT)  
Suite 430  
11763 - 106 Street  
T5G 2R1

**Fort McMurray**  
Provincial Building, Floor 7  
Box 19, 9915 Franklin  
Avenue T9H 2K4

**Grande Prairie**  
Towne Centre Mall, Suite 100  
9845 - 99 Avenue  
T8V 0R3

**Hinton**  
564A Carmichael Lane  
T7V 1S8

**Lethbridge**  
Provincial Building,  
Room 280, Floor 2  
200 - 5 Avenue South  
T1J 4L1

**Medicine Hat**  
3021 Dunmore Road SE  
T1B 2H2

**Peace River**  
Provincial Building, Floor 3  
Room 307  
9621 - 96 Avenue  
T8S 1T4

**Red Deer**  
First Red Deer Place, Floor 3  
4911 - 51 Street  
T4N 6V4

**Slave Lake**  
Slave Lake Government  
Centre, Suite 109  
Box 787, 101 - 3 Street  
T0G 2A0

**Vermilion**  
Provincial Building, Floor 1  
Box 26, 4701 - 52 Street  
T9X 1J9

[tradesecrets.alberta.ca](http://tradesecrets.alberta.ca)

Alberta

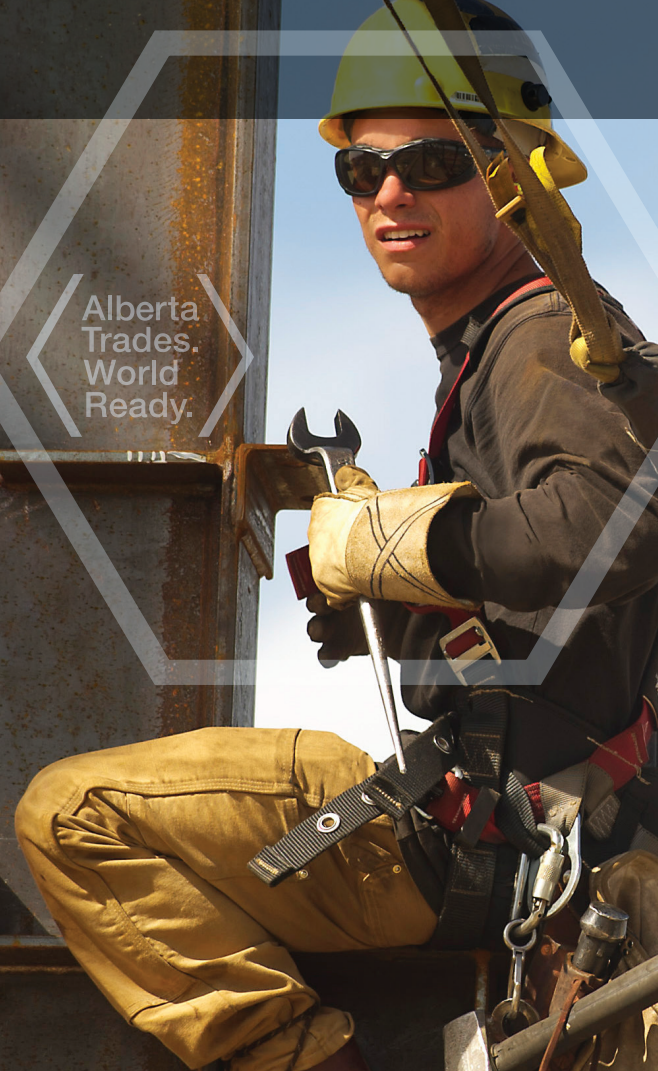


Apprenticeship  
and Industry  
Training

## Your ticket to a great career.

Apprenticeship and Industry Training

Alberta  
Trades.  
World  
Ready.



Alberta



Apprenticeship  
and Industry  
Training

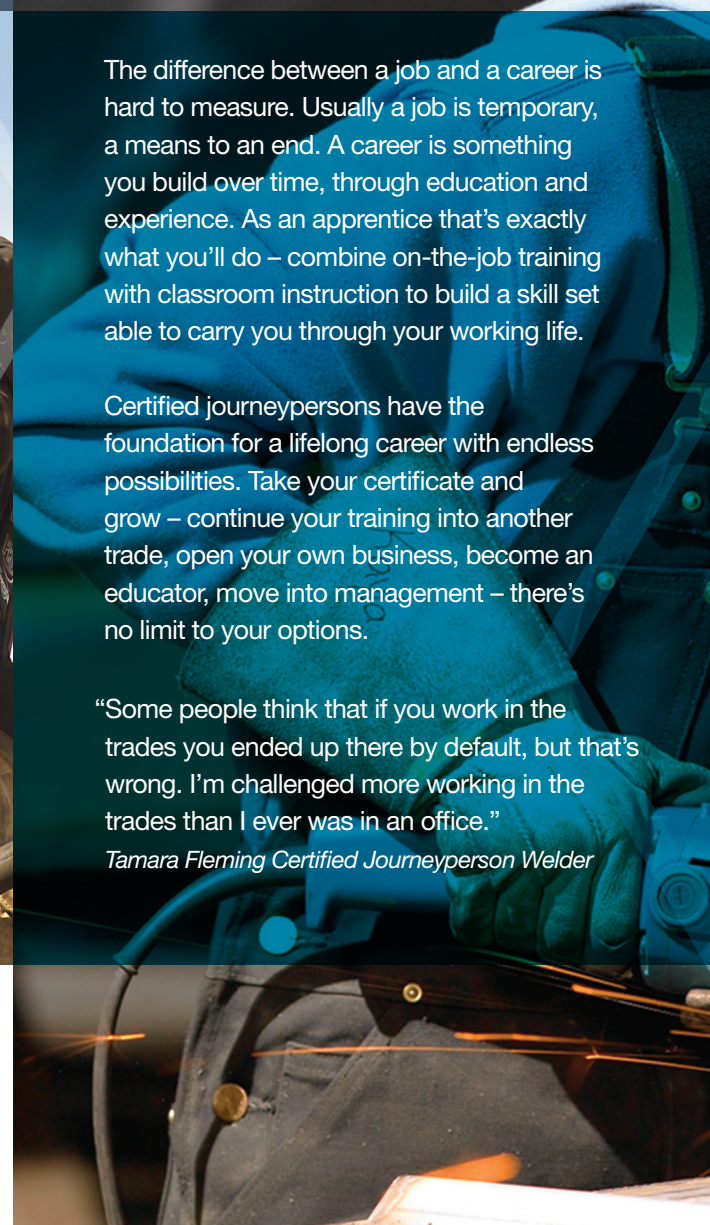
## Alberta trades – More than a job.

The difference between a job and a career is hard to measure. Usually a job is temporary, a means to an end. A career is something you build over time, through education and experience. As an apprentice that's exactly what you'll do – combine on-the-job training with classroom instruction to build a skill set able to carry you through your working life.

Certified journeypersons have the foundation for a lifelong career with endless possibilities. Take your certificate and grow – continue your training into another trade, open your own business, become an educator, move into management – there's no limit to your options.

“Some people think that if you work in the trades you ended up there by default, but that's wrong. I'm challenged more working in the trades than I ever was in an office.”

*Tamara Fleming Certified Journeyperson Welder*



## Learn a skilled trade from experience experts on the job and in the classroom.

“My journey into apprenticeship started when I was looking for a stable income. I worked as a freelance artist before, and [bricklaying] was something I can transfer those skills across. I get to show people that I've taken initiative to have a certain quality of work.”  
*Shane LaRose, AIT Top Apprentice Award Recipient - Bricklayer*

## It's all in the numbers.

**90%** Graduates were satisfied with their on-the-job training experience.

**93%** When it comes to classroom instruction, a high majority of graduates were satisfied with the overall quality of their program.

**89%** Overall graduates of Alberta's apprenticeship program would still have chosen to become an apprentice.

\*Numbers based on the Survey of 2018/2019 Graduates of Apprenticeship Programs (Spring 2020)

## Get started!

Once you have done a little research to figure out which trade is right for you, becoming an apprentice takes only a few more steps.

### 1. Find a sponsor

A sponsor is a **person** or **organization** who agrees to set you up with **paid employment and mentorship** in your trade. You can register as an apprentice and attend classroom instruction without having a sponsor. However, to earn on-the-job hours toward your apprenticeship, you must have a sponsor.

### 2. Apply online

Complete the online application at [Tradesecrets.alberta.ca](http://Tradesecrets.alberta.ca) to register your apprenticeship and begin learning your trade

### 3. Start learning on the job

The best way to learn is by doing, and that is exactly what you do as an apprentice. Working side by side with a certified tradesperson is an integral part of your experience. You must complete a required number of hours that are logged and submitted to your local Apprenticeship and Industry Training office.

### 4. Attend classroom instruction

In addition to your hands-on training, you will spend four to 12 weeks per year in classroom instruction at a college or technical institute. Check the list in this brochure to learn more about the classroom instruction component of your apprenticeship program. During this training, you may be eligible for scholarships, employment insurance benefits and grants.

### 5. Become a certified journeyperson

When you complete your apprenticeship program, you will become a certified journeyperson – your ticket to a great career! As a certified journeyperson you are more employable, earn higher wages, and you have proven that you meet Alberta's high industry standards.

### Don't wait! Get started today!

Visit [tradesecrets.alberta.ca](http://tradesecrets.alberta.ca), call the Apprenticeship and Industry Training Information Line (1-800-248-4823), or visit one of the local offices listed on the back of this brochure.



# Alberta Apprenticeship Education Programs

Alberta  
Skills.  
World  
Ready.



## ● Agricultural Equipment Technician

Maintains, repairs and overhauls agricultural equipment  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Appliance Service Technician

Installs, services and repairs appliances  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## » Commercial Appliance Service Technician

Installs, services and repairs commercial appliances  
*Certificate*  
➤ 3 years  
➤ two 8-week in-class sessions

## ● Auto Body Technician

Repairs and replaces damaged motor vehicle structures and body parts, including interior and exterior finishes  
*Diploma*  
➤ 4 years  
➤ two 6-week and two 7-week in-class sessions

## » Auto Body Prepper

Restores anti-corrosion treatments, and conducts substrate identification, surface preparation, undercoat product mixing and application  
*Certificate of Achievement*  
➤ 2 years  
➤ one 6-week in-class session

## » Auto Body Refinisher

Performs damage appraisals, surface preparation, minor damage repairs, masking, colour matching, priming and top coating  
*Certificate*  
➤ 2 years  
➤ two 6-week in-class sessions

## » Auto Body Repairer

Performs damage appraisals, frame and unibody structural repairs, body sheet-metal work, plastic repairs, component replacement and alignment  
*Certificate*  
➤ 3 years  
➤ one 6-week and two 7-week in-class sessions

## ● Automotive Service Technician

Diagnoses and repairs motor vehicles, including cars and light trucks  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Baker

Prepares and bakes breads, cakes, cookies, pastries, pies and other baked goods  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## ● Boilermaker

Builds, erects, repairs, tests and maintains all types of boilers, tanks and pressure vessels  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## ● Bricklayer

Prepares and lays brick and other masonry units to construct and repair structures  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## Cabinetmaker

Builds and repairs custom or production-type cabinets and furniture, and architectural millwork  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Carpenter

Constructs, erects and repairs buildings and other structures made of wood, wood substitutes, steel and other materials  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## Communication Technician

Installs, maintains, removes and/or repairs wiring networks, communication equipment and specialized wireless equipment  
*Diploma*  
➤ 4 years

## ● Concrete Finisher

Places and finishes concrete floors, driveways, sidewalks, curbs, bridge decks and other concrete structures  
*Certificate of Achievement*  
➤ 2 years  
➤ two 4-week in-class sessions

## ● Cook

Prepares food in eating establishments, plans menus, monitors nutritional components, and manages the kitchen and associated food costs  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## Crane and Hoisting Equipment Operator

» **Boom Truck Operator**  
Sets up, services and operates hydraulic booms that are mounted on revolving platforms attached to trucks  
*Certificate of Achievement*  
➤ 1 year  
➤ one 6-week in-class session

## » Mobile Crane Operator

Services and operates booms that are mounted on crawlers or wheeled frames; and traveling, fixed or climbing type hoisting equipment with a vertical mast or tower and a jib  
*Certificate*  
➤ 3 years  
➤ two 6-week in-class sessions

## » Tower Crane Operator

Services and operates traveling, fixed, climbing or self-erecting type hoisting equipment with a vertical mast or tower and a jib  
*Certificate of Achievement*  
➤ 2 years  
➤ one 6-week in-class session

## » Wellhead Boom Truck Operator

Sets up and operates hydraulic booms used for wellhead pumping, wireline, perforating, coiled tubing, snubbing, and the rig-up and rig-out of slant service rig operations  
*Certificate of Achievement*  
➤ 1 year  
➤ one 5-day in-class session

## Electric Motor Systems Technician

Tests, rebuilds and repairs electric motors, generators, transformers, controllers and related electrical and mechanical equipment  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Electrician

Installs, alters, repairs and maintains electrical systems for all types of buildings, structures and premises  
*Advanced Diploma*  
➤ 4 years  
➤ three 8-week and one 12-week in-class sessions

## Elevator Constructor

Installs, modifies, services and repairs electric and hydraulic elevators, personnel and man-hoists, moving walkways, stage lifts, escalators and related equipment  
*Certificate of Achievement*  
➤ 4 years

## ● Floorcovering Installer

Installs many types of floor coverings in buildings  
*Certificate*  
➤ 2 years  
➤ two 7-week in-class sessions

## Gasfitter

» **Gasfitter - Class A**  
Sizes, installs, tests, adjusts and services natural gas and propane equipment ranging from residential furnaces to industrial boilers  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

» **Gasfitter - Class B**  
Sizes, installs, tests, adjusts and services natural gas and propane equipment ranging from residential furnaces to industrial boilers not exceeding 400,000 British Thermal Units (BTUs)  
*Certificate*  
➤ 2 years  
➤ two 8-week in-class sessions

## ● Glazier

Cuts and installs glass and aluminum systems for commercial and residential applications  
*Diploma*  
➤ 4 years  
➤ four 6-week in-class sessions

## ● Hairstylist

Cuts and styles hair to suit the client's face and lifestyle  
*Certificate*  
➤ 2 years  
➤ two 10-week in-class sessions

## » Barber

Cuts and styles hair as well as shaves, trims and shapes beards and mustaches  
*Certificate of Achievement*  
➤ 1 year  
➤ one 10-week in-class session

## Heavy Equipment Technician

Performs all the tasks described below under Heavy Duty Equipment Mechanic (Off-Road), Transport Trailer Mechanic and Truck and Transport Mechanic  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

» **Heavy Duty Equipment Mechanic (Off-Road)**  
Maintains, repairs and overhauls large off-road and industrial equipment such as bulldozers and graders  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## » Transport Trailer Mechanic

Maintains, repairs and overhauls commercial transport trailers  
*Certificate of Achievement*  
➤ 2 years  
➤ one 8-week in-class session

» **Truck and Transport Mechanic**  
Maintains, repairs and overhauls on-highway vehicles such as semi-trucks and buses  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## Industrial Mechanic (Millwright)

Installs, maintains, repairs and troubleshoots stationary industrial machinery and mechanical equipment  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Instrumentation and Control Technician

Installs, maintains and repairs the measuring and control instruments used in industrial and commercial processing  
*Advanced Diploma*  
➤ 4 years  
➤ two 8-week and two 10-week in-class sessions

## ● Insulator (Heat and Frost)

Applies, removes and repairs thermal and acoustical insulation on all types of industrial equipment  
*Certificate*  
➤ 3 years  
➤ three 7-week in-class sessions

## Ironworker

» **Metal Building Systems Erector**  
Fabricates, constructs and joins scaffolding, erects pre-engineered buildings, and performs reconstructive work on existing structures  
*Certificate*  
➤ 2 years  
➤ two 6-week in-class sessions

» **Ironworker (Reinforcing)**  
Places and ties reinforcing material, joins scaffolding, and performs post tensioning  
*Certificate*  
➤ 2 years  
➤ two 6-week in-class sessions

» **Ironworker (Structural/Ornamental)**  
Fabricates, constructs and joins scaffolding, structural steel buildings, bridges, ornamental ironwork and pre-cast structures  
*Certificate*  
➤ 3 years  
➤ three 6-week in-class sessions

## Landscape Horticulturist

Carries out landscaping operations including construction, maintenance and selecting and installing plants, trees, grass and irrigation systems  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Lather (Interior Systems Mechanic)

Installs a wide variety of wall and ceiling systems and exterior finishes, bringing various buildings to a completed state  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## Locksmith

Installs, adjusts and repairs locks, makes keys, and changes lock combinations; works on lock sets and door hardware  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## ● Machinist

Sets up and operates precision metal cutting and grinding machines to make and repair products made from metals, plastics, rubber, textiles, fiberglass and other materials  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Metal Fabricator (Fitter)

Lays out, prepares and assembles structural steel, metal vessels, containers and miscellaneous components  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## ● Motorcycle Mechanic

Assembles, maintains, repairs and restores motorcycles and other lightweight all-terrain vehicles with astride seating and handlebar controls  
*Diploma*  
➤ 4 years  
➤ two 8-week and two 6-week in-class sessions

## Natural Gas Compression Technician

Installs, commissions, maintains and repairs equipment used to gather, store and transmit natural gas  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## Outdoor Power Equipment Technician

» **Power Equipment**  
Repairs and maintains aerators, air compressors, chippers, compaction equipment, generators, lawn tractors, mowers, chain saws, seeders, sprayers, snow removal equipment, golf carts and utility vehicles  
*Certificate*  
➤ 3 years  
➤ one 6-week and two 8-week in-class sessions

» **Recreational Equipment**  
Repairs and maintains recreational equipment such as boats, trailers, snow mobiles and off-road multi-wheeled vehicles other than motorcycles  
*Certificate*  
➤ 3 years  
➤ one 6-week and two 8-week in-class sessions

## ● Painter and Decorator

Applies paint, wall coverings and other finishes to interior and exterior surfaces of buildings and other structures  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## Parts Technician

» **Materials Technician**  
Manages and dispenses parts and goods in bulk, wholesale and warehousing operations  
*Certificate*  
➤ 3 years  
➤ three 6-week in-class sessions

» **Parts Technician**  
Manages and dispenses parts and goods in wholesale and retail businesses  
*Certificate*  
➤ 3 years  
➤ two 6-week and one 8-week in-class sessions

## ● Plumber

Plans, installs and services plumbing systems, fixtures, piping equipment and controls. Training also includes Gasfitter - Class B certification  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Powerline Technician

Constructs, maintains or operates electrical distribution systems  
*Diploma*  
➤ 4 years  
➤ three 7-week in-class sessions

## Power System Electrician

Installs, maintains and repairs electrical generation systems  
*Advanced Diploma*  
➤ 4 years  
➤ two 7-week and two 8-week in-class sessions

## ● Recreation Vehicle Service Technician

Installs, repairs and maintains interior and exterior components on motor homes, trailers and campers  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## ● Refrigeration and Air Conditioning Mechanic

Installs, maintains, repairs and overhauls refrigeration and air conditioning systems and their component parts  
*Advanced Diploma*  
➤ 4 years  
➤ four 8-week in-class sessions

## ● Roofer

Prepares and applies protective coverings to flat and sloped roof surfaces  
*Certificate*  
➤ 4 years  
➤ three 6-week in-class sessions

## ● Sheet Metal Worker

Designs, fabricates, assembles, installs and repairs sheet metal products required in a wide variety of industries and settings. Training also includes Gasfitter - Class B certification  
*Advanced Diploma*  
➤ 4 years  
➤ four 10-week in-class sessions

## ● Sprinkler Systems Installer

Fabricates, installs, tests, maintains, inspects and repairs sprinkler systems  
*Diploma*  
➤ 4 years  
➤ three 8-week in-class sessions

## ● Steamfitter-Pipefitter

Lays out, assembles, fabricates, maintains and repairs piping systems which carry water, steam, chemicals or fuel used in heating, cooling, lubricating and other processes  
*Advanced Diploma*  
➤ 4 years  
➤ Four 8-week in-class sessions

## Transport Refrigeration Technician

Installs and repairs heating and cooling equipment in mobile units used to haul perishable cargo  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## Water Well Driller

Sets up and operates drilling rigs and develops, maintains and decommissions water wells  
*Certificate*  
➤ 2 years  
➤ two 6-week in-class sessions

## » Earth Loop Technician

Sets up and operates mobile drilling rigs or trenching equipment used to construct residential and commercial earth loops for heating and cooling  
*Certificate*  
➤ 2 years  
➤ two 6-week in-class sessions

## ● Welder

Applies heat to metal pieces to melt and/or fuse them together using all welding processes and fillers  
*Diploma*  
➤ 3 years  
➤ three 8-week in-class sessions

## » Wire Process Operator

Applies heat to metal and/or fuse metal pieces together using specific wire feed welding processes  
*Certificate of Achievement*  
➤ 2 years  
➤ one 8-week in-class session



## Apprenticeship Credentials

Advanced Diplomas, Diplomas, and Certificates are academic credentials recognizing successful completion of a post-secondary program of study.

- » Specialized branch of an apprenticeship program.
- Graduates are eligible to write the Red Seal exam.

Scan to learn more at [tradesecrets.alberta.ca/credentials](https://tradesecrets.alberta.ca/credentials).

Graduates of apprenticeship education programs in Alberta-designated trades also receive Alberta journeyperson certification.

Explore full program profiles at [tradesecrets.alberta.ca/trades](https://tradesecrets.alberta.ca/trades).



Alberta



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