

Alberta Apprenticeship Education Programs



● 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**
Constructs, 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.

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

Explore full program profiles at tradesecrets.alberta.ca/trades.

