

Step INTO THE Trades



APPRENTICESHIP

*Excellence through post-secondary
education and experience*

A GUIDE FOR CAREER COUNSELLORS AND EDUCATORS

YUKON
Apprenticeship

STEP INTO THE TRADES

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RESOURCES

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Yukon
Education
Advanced Education Branch

YUKON
Apprenticeship



Step into the Trades

A GUIDE FOR CAREER COUNSELLORS AND EDUCATORS

Providing quality information about apprenticeship programs and careers in the trades

There are many career opportunities available in the trades. The Yukon Department of Education, Advanced Education Branch is undertaking a communication initiative to enhance the number of Yukon students who choose the trades as a career option. Part of this initiative includes ensuring that students, career counsellors, teachers and parents/caregivers have access to accurate information about apprenticeship and the trades.

Step into the Trades - A Guide for counsellors and educators is a companion to *Step into the Trades*, an information guide for students. This booklet is intended as a resource for educators and career counsellors to introduce students to apprenticeship as one of the many kinds of post-secondary education available to them.

Trades - a path to a good future for Yukon youth

Learning a trade through an apprenticeship program is a viable alternative to other post-secondary education. A trade can offer Yukon students a rewarding and satisfying career with excellent income and lifestyle benefits, including self-employment, management, teaching and other opportunities.

Yukon youth well positioned to meet the growing demand for skilled tradespeople

Throughout Canada, the trades are in demand due to more people retiring than entering these careers. The large Yukon youth population is well positioned to fill the growing demand for skilled tradespeople.

Exposing students to all the options

Deciding what to do after high school can be hard for many students. With so many different career choices, it's never too soon for students of any age to know their options. As an educator or career counsellor, you can expose students to a variety of options, including the trades.

Journey inside this booklet to learn more about the trades and apprenticeship programs.

“As a tradesperson I’m aware of the challenges we sometimes face when trying to find skilled workers. My advice to anyone considering the trades is don’t just talk about it, do it.”

What are the trades?

Trades are occupations in which standards have been set to promote quality work and skill excellence among tradespeople.

Skilled tradespeople trained through apprenticeship are involved in many areas of our lives. They build homes, stores, arenas and schools. They repair the heating, cooling, electrical and plumbing systems in those buildings. We find skilled tradespeople in auto shops fixing cars, and on industrial sites making sure heavy equipment runs properly. They also work as cooks in restaurants and camps, and as hairstylists in beauty salons.

With over 40 designated trades and occupations to choose from, one may be right for students with an interest in apprenticeship training.

What is apprenticeship?

Apprenticeship is post-secondary education in which a student (apprentice) learns the practical and technical aspects of a trade through a combination of on-the-job training and work experience (80% of the learning) and technical in-school training (20% of the learning). The apprentice is an employee who earns wages. This dual approach to training - learning by doing and classroom instruction - sets apprenticeship training apart from most other post-secondary programs.

Apprenticeship offers the best of both worlds - an education and paid work experience.

MYTH

Trade jobs are low paying.

FACT

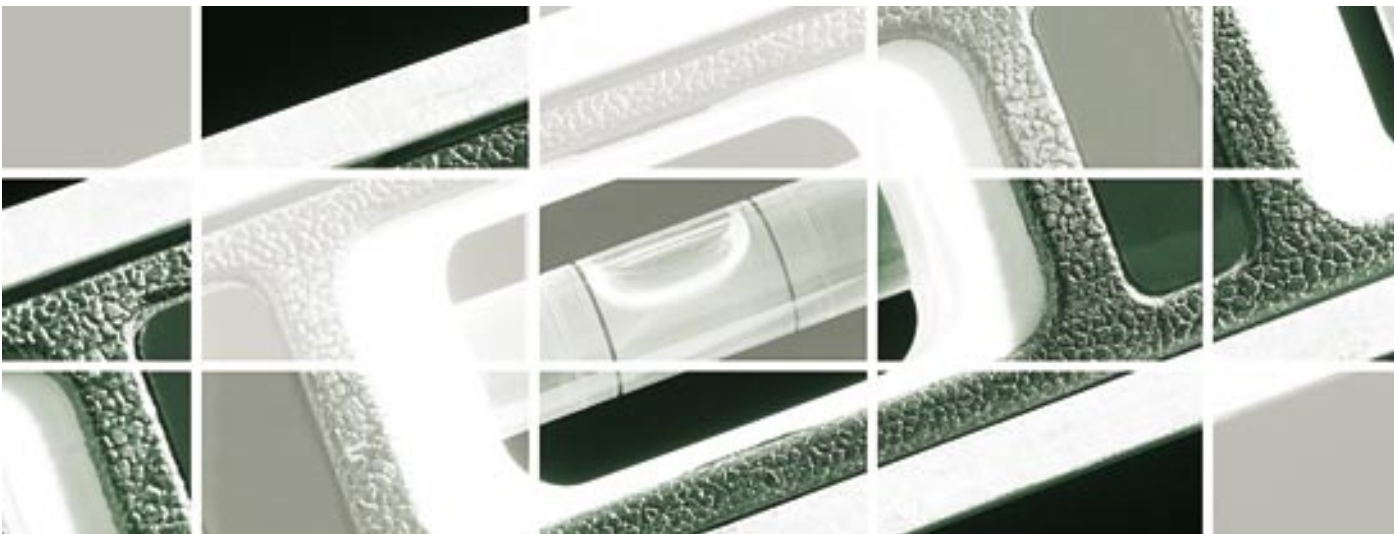
Tradespeople earn \$12-\$35 an hour plus benefits, with some tradespeople earning more, depending on the trade and the location of the job. It is very common for tradespeople to earn more than \$60,000 per year.

MYTH

Apprenticeship is hands-on training only.

FACT

An education through apprenticeship training involves both on-the-job training and classroom instruction. This dual approach to training develops workers who understand through experience the connection between theory and its real life application.



How does apprenticeship work?

On-the-job training - real world experience

About 80 per cent of apprenticeship training takes place on the job. There, apprentices learn the skills of the trade with the help of a qualified tradesperson.

Technical training - learning the theory

Technical training generally involves attending classroom sessions for 6 to 12 weeks per year depending on the trade.

Wages - real work, real money

Apprentices earn from 50 to 95 per cent of certified trades workers wage, depending on the trade and the amount of training the apprentice has completed. The wage increases as the apprentice moves from one period of apprenticeship to the next.

How does an apprentice progress through the training?

To progress from one period of training to the next, an apprentice must:

- Successfully complete the technical training.
- Pass the apprenticeship examination for that period of training.
- Have the required hours of on-the-job training and a satisfactory report from the employer.
- Have the record book that shows the hours an apprentice has worked and type of work performed stamped by the Yukon's Apprenticeship Training Office.



For some of the trades the in-school training may be available in Yukon. For others, the apprentices attend in-school training in Alberta.

How long is an apprenticeship program?

Depending on the trade it takes two to four years of on-the-job and technical training to become a skilled tradesperson.

MYTH

Apprenticeship training is only available in construction trades

FACT

While the building/construction trades (Carpenter, Painter, Electrician) are some of the better-known trades, there are more than 40 trades that have apprenticeship training programs. These trades include: Welder, Cook, Plumber, Automotive Service Technician, Sheet Metal Worker and Glazier. Yukon has more than 200 registered apprentices learning trades related to a variety of industries.

“Leaving home is part of life. You need to leave the home to pursue who you are; this is a stepping-stone for who you are becoming. The reward at the end is a good paying job and you will be respected by your community for the steps you took to better yourself.”

What happens after an apprentice completes the on-the-job and technical training?

A person who completes an apprenticeship program becomes a certified tradesperson.

A person who successfully completes the apprenticeship program receives a Yukon Certificate of Qualification and is a certified journeyman.

What are the entrance requirements for the trades?

Students are encouraged to finish high school.

To become an apprentice a student must meet the academic requirements of their trade. Many employers prefer to hire students who have completed high school. Today’s trades require good math, science, reading and writing skills.

When can a student start an apprenticeship program?

A student can start apprenticeship training while still a high school student.

Students may be able to attend a semester of trades pre-employment courses at Yukon College for credit towards their high school diploma.

Students can also gain credit on apprenticeship while going to school during the regular term and working holidays and weekends.

Students are also encouraged to check out the Yukon Secondary School Apprenticeship Program (YSSAP). This program is run within the high school.

MYTH

The trades are for people who can’t get into university.

FACT

An education through apprenticeship is similar to any other post-secondary program. It takes dedication and hard work to be successful in an apprenticeship program. Apprentices must have good math, science, reading and writing skills. A high school diploma is a requirement for some of the trades. Many employers prefer to hire apprentices who have completed high school.

MYTH

If students start apprenticeship training in high school they will miss out on learning the basics like reading, writing and math.

FACT

Apprenticeship supports a strong academic foundation in reading, math, writing and the sciences. Apprenticeship is designed to teach highly technical skills and produce skilled workers competent in all aspects of a trade. Taking instruction on the job helps students understand the relationship between the information learned in school and the skills necessary for success in the work place.

WHAT IS THE PROCESS FOR ENTERING AN APPRENTICESHIP PROGRAM?

There are four or five steps to entering an apprenticeship program, depending on whether a student starts their apprenticeship while still in school, or starts after high school.

STEP 1

Finish high school

(Though some students may be able to start on conditional apprenticeship agreements while in high school) Many trades require high school graduation, and some require advanced math and science. Employers prefer to hire high school graduates when they're recruiting apprentices.

STEP 2

Decide which trade matches interests and skills

Students should think about who they are, what they like to do, what kind of lifestyle they enjoy, and what they would like to do 10 years from now. Industrial Training Consultants with the Yukon Apprenticeship Office would be happy to answer questions about this career path.

STEP 3

Find an Employer

Once a student has decided on a trade, the next step is to find an employer who will offer apprenticeship training. This is just like finding any job.

“People in the trades are professionals and are as important as any other profession. The trades are great for people who enjoy hands-on, challenging work.”

STEP 4

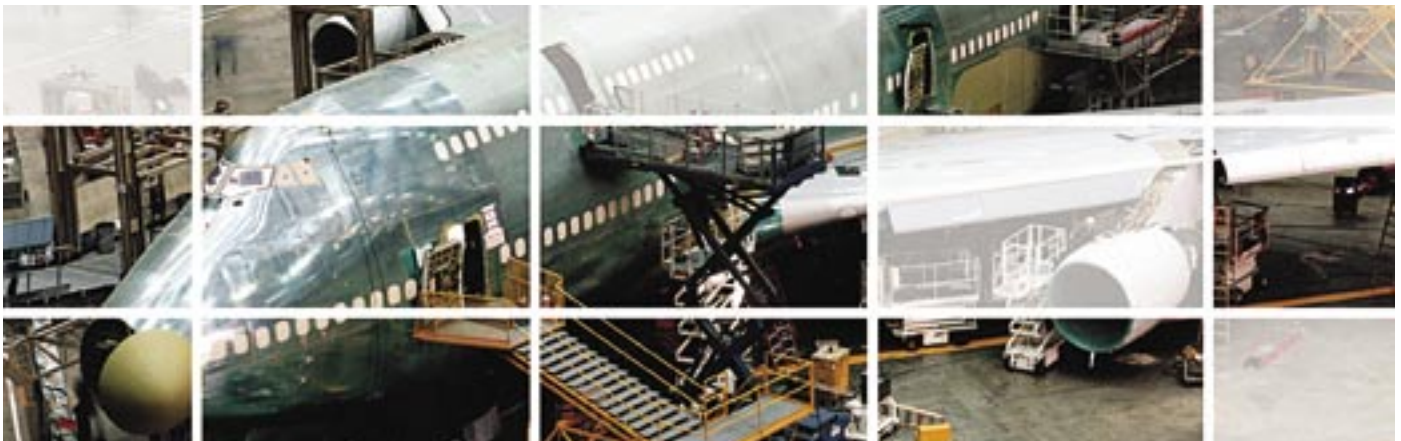
Apply

Once a student finds an employer, he/she should contact the Yukon Apprenticeship Office for an apprenticeship application/agreement. Once the student and the employer sign the application/agreement, it must be sent to the Apprenticeship Office to be registered.

STEP 5

Commitment

The signed application/agreement is a written agreement between the apprentice and the employer, approved by and registered with Yukon Advanced Education. This agreement specifies the length of training, related technical training, an outline of the skills of the trade to be learned and the percentage of wages the apprentice will be paid. After successfully completing the prescribed hours of on-the-job and technical training, and all exams, the apprentice will graduate as a highly skilled tradesperson.



“It is a life long learning opportunity. Once you get into the trades, the doors are wide open. There is a lot of satisfaction and you get a name for yourself when you finish. Don’t be afraid of trying it. You need to get out in the workforce, and it’s an opportunity to meet your challenges.”

How will I know if a student is suited to study a trade?

Students who enjoy working with their hands to fix or put things together, are good with numbers, interested in machines, tools or equipment and learn best by doing, may be interested in one of the trades. Please see pages 10-28 for information on skills and interests associated with each trade.

Most people working in the trades:

- Arrive at work on time ready to tackle the day.
- Read blueprints.
- Perform calculations quickly and accurately.
- Are able to easily move their hands in placing and turning motions, for example, to turn knobs and levers on a control panel or to climb ladders (manual dexterity).
- Have good eye-hand coordination needed to drive a nail with a hammer or perform detailed work.
- Stand and bend with ease throughout the day.
- Work comfortably from high places (at heights).
- Follow directions, both verbal and written.
- Cooperate with others to get the job done.
- Visualize something from pictures, drawings, or blueprints.
- Keep up with advances in their field - lifelong learners.
- Work an average of 40 hours each week.

Can a certified tradesperson work anywhere in Canada?

Tradespeople with a Red Seal can work anywhere in Canada without additional provincial or territorial examinations.

A tradesperson who holds a certificate in one of the Interprovincial Standards (Red Seal) trades can write an Interprovincial Standards (Red Seal) exam. If the exam is passed, a “Red Seal” is attached to the Yukon Certificate of Qualification allowing the tradesperson to work anywhere in Canada.



What can I tell parents/caregivers about the value of an apprenticeship program for their child?

Learning a trade through apprenticeship leads to a well-paying, satisfying and marketable career.

When talking with a parent/caregiver about apprenticeship as a post-secondary choice, there are many benefits worth highlighting:

- An apprenticeship program offers paid work while training for a career.
- Apprentices see first hand how technical tasks relate directly to theoretical knowledge.
- Apprenticeship programs provide students with a sense of independence and accomplishment.
- Transferable skills provide an opportunity for tradespeople to work anywhere in Canada.
- Tradespeople have the opportunity to move up into supervisory or management positions or start a business.
- Many successful business men and women are skilled tradespeople.
- Apprenticeship training provides marketable skills that last a lifetime!

Informing Parents/Caregivers about Apprenticeship

Host an evening orientation to apprenticeship training with speakers from the various trades - both employers and employees.

How can I raise awareness of apprenticeship and the trades as viable career options?

You can provide students with an opportunity to explore career options through some of the following suggested activities. These suggestions can be incorporated into existing courses designed to raise students' awareness of various career choices.

“It was hard to leave Yukon to attend the in-school technical training, but I did it. I made friends in my class, I worked hard, and I just kept at it. It is the best thing I have ever done.”

Help students know their options

Activities and discussions:

- Discuss apprenticeship as one of the post-secondary learning choices available.
- Have students describe some of the trades.
- Help students investigate a trade they find interesting.
- Have students describe the steps to entering apprenticeship.
- Contact the Apprenticeship Training Unit of Advanced Education to request a presentation on apprenticeship by a Consultant.
- Have students participate in career fairs and go on field trips.

MYTH

Work in the trades is dirty and noisy.

FACT

While many people who work in the trades work outdoors, not all of these jobs are dirty and noisy. Many tradespeople work with sophisticated computer equipment and technology, while others own their own business or are in supervisory positions.

EVERYONE HAS A ROLE TO PLAY

Apprentices are responsible for:

- Completing the apprentice section of the apprenticeship application/agreement.
- Completing the required on-the-job and in-school technical training.
- Passing exams.
- Ensuring the record book is updated.

Employers are responsible for:

- Completing the employer section of the apprenticeship application/agreement.
- Providing the apprentice with on-the-job training supervised by a qualified tradesperson.
- Paying the apprentice's wages.
- Allowing the apprentice time away from work to complete the required technical training.
- Updating the apprentice's record book.

Yukon Apprenticeship Office is responsible for:

- Arranging technical training with training providers.
- Working with training providers to ensure training content is appropriate.
- Providing information to employers and apprentices that will facilitate apprenticeship training.
- Administering exams.
- Verifying apprentice record books for the requirements of apprenticeship programs.
- Issuing certificates and maintaining records.
- Working with industry to ensure the continued success of the apprenticeship system.

Gather Information on Apprenticeship

You may want to ask students to:

- Gather information on various trades by using the Step into the Trades guide for students.
- Write an essay on one of the apprenticeship trades in Yukon.
- Prepare a list of questions to obtain information about a trade.
- Research prospective employers in an apprenticeship trade.

MYTH

A university degree is the only ticket to a good future.

FACT

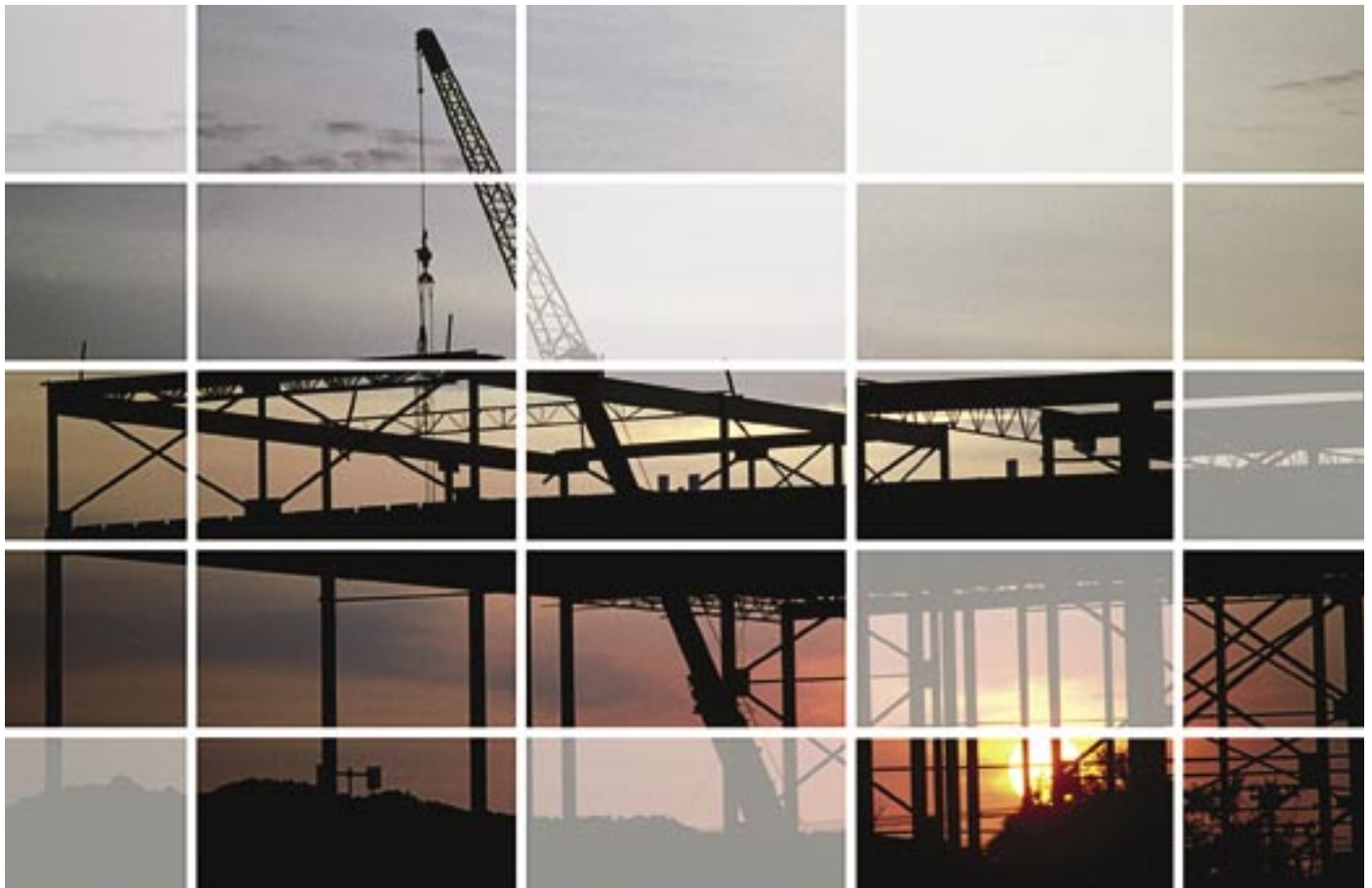
A trades Certificate is also a ticket to a great future. According to Job Futures 2000, by 2007, more than one-third of jobs created in Canada will require trade certification or a college diploma.

What financial assistance is available?

Registered apprentices in Yukon may be eligible for financial assistance from Human Resources and Skills Development Canada while attending the in-school technical training portion of their apprenticeship program.

Further Information:

For up to date information about financial assistance for apprentices, please call Human Resources and Skills Development Canada at 667-5083 or Advanced Education, Apprenticeship Training Unit toll free 1-800-661-0408 extension 5298 or in Whitehorse call 667-5298.





Building Trades

Bricklayer, Cabinetmaker, Carpenter, Floorcovering Installer, Glazier, Lather (Interior Systems Mechanic), Painter and Decorator, and Roofer

All around us, skilled people are working in the construction industry building schools, hospitals and office buildings. They are painting, roofing, finishing and completing other challenging jobs.

Apprenticeship training for trades in this category ranges from three to four years.

The building trades may appeal to those who:

- Enjoy working with their hands to put things together.
- Like working with tools and equipment.
- Enjoy working with numbers.
- Pay attention to detail.
- Can see the finished product from an idea or drawing.
- Are able to easily move their hands in placing and turning motions, for example, to turn knobs and levers on a control panel or to climb ladders (manual dexterity).
- Are imaginative and creative.

Note: Most employers prefer to hire apprentices who have completed high school.

For current educational requirements, please see your counsellor or contact the Apprenticeship Training Unit of Advanced Education at:

**P.O. Box 2703, Whitehorse, Yukon Y1A 2C6
Ph: (867) 667-5298 or Fax: (867) 667-8555
Toll free: 1-800-661-0408**

Bricklayer

These tradespeople lay bricks, concrete blocks, stone and other materials to build and repair walls, patios, fireplaces and chimneys. They use hammers, chisels or saws to cut and fit bricks. Their work also involves lining or relining furnaces, boilers and similar installations.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Physically fit
- Willing to work outdoors
- Good eye for detail and colour
- Good balance for working on scaffolding
- Likes working with numbers

Typical Journeyperson Salary Range

\$18 - \$26 per hour plus benefits

Cabinetmaker

Using sanders, planes, power saws and other tools, they build and repair furniture, cabinetry and other items made of wood or wood substitutes for commercial and residential use. Their trade involves sanding wood surfaces and applying veneer, stain, polish or plastic laminates.



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Skills and Interests

- Artistically inclined
- Good eyesight
- Good eye-hand coordination

Typical Journeyperson Salary Range

\$17 - \$24 per hour plus benefits

Carpenter

This skilled trade has a role in almost every building around you. Using hand tools and power tools, carpenters build and repair buildings and other structures made of wood, wood substitutes, steel and other materials.

Length of Training

Levels	On-the-Job	In-Class
4	1600 hours per level	8 weeks per level

Skills and Interests

- Enjoys working with wood
- Moves hands easily in placing and turning motions to climb ladders, saw and hammer etc. (manual dexterity)
- Good balance for working on scaffolding
- Willing to stand for long periods and climb, bend and kneel throughout the day
- Good math skills to measure materials
- Lifts awkward loads over 25 kilograms

Typical Journeyperson Salary Range

\$17 - \$26 per hour plus benefits

Floorcovering Installer

This tradesperson installs, repairs and replaces flooring such as underpadding, carpet, tiles, hardwood, plastic laminates and other decorative coverings in residential, commercial and industrial locations. They use measuring, hammering, spreading and cutting and shearing tools as well as power tools, floor preparation and stretching tools and lifting equipment.

Length of Training

Levels	On-the-Job	In-Class
3	1600 hours per level	7 weeks for level 1 6 weeks for level 2

Skills and Interests

- Physical strength and energy
- Lifts awkward loads over 25 kilograms
- Good colour vision to match colours

Typical Journeyperson Salary Range

\$16 - \$26 per hour plus benefits

Glazier

Works with glass to cut, install and repair mirrors, windows and aluminium doors and other glass for commercial, residential and automotive use.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	6 weeks per level

Skills and Interests

- Physical strength and energy to work with heavy glass materials
- Able to work at heights
- Good eyesight to measure, cut and see flaws in glass



- Moves hands easily in placing and turning motions to climb ladders, operate power tools etc. (manual dexterity)

Typical Journeyperson Salary Range

\$17 - \$24 per hour plus benefits

Lather (Interior Systems Mechanic)

Creates space by putting together and installing steel frameworks and gypsum materials for walls and ceilings in buildings.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Good hand-eye coordination
- Visualizes how things come together
- Able to bend and lift
- Able to work at heights
- Spots differences in how things appear

Typical Journeyperson Salary Range

\$17 - \$24 per hour plus benefits



Painter and Decorator

You know the job is almost done when these tradespeople arrive to prepare and apply paint, stain, varnish, wallpaper, fabric, and other materials to surfaces like floors, doors, walls and trim.

Length of Training

Levels	On-the-Job	In-Class
3	1600 hours per level	8 weeks per level

Skills and Interests

- Imaginative
- Good colour sense
- Able to work at heights
- Able to stand, kneel and crouch for long periods

Typical Journeyperson Salary Range

\$17 - \$27 per hour plus benefits

Roofer

Whether it's metal or asphalt shingles, tar, gravel or other materials, Roofers prepare, install and repair them. They also apply weatherproofing mix to flat and sloped roof surfaces using hatchets, hammers, pry bars, tin snips, knives and chalk lines.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	6 weeks per level

Skills and Interests

- Able to work at heights
- Able to lift over 25 kilograms
- Basic math skills
- Physical strength and energy

Typical Journeyperson Salary Range

\$17 - \$24 per hour plus benefits



Electrical Trades

Electric Motor System Technician, Electrician, Electronics Technician (Consumer Products), Powerline Technician and Power System Electrician

They light up our lives and make our gadgets hum. A career in one of these trades may involve work on construction or industrial sites, power stations, and electrical supply companies.

Apprenticeship training for trades in this category is four years.

The electrical trades may appeal to those who:

- Are interested in electronics and how things work.
- Are strong in math and science.
- Like working with tools and equipment.
- Are able to easily move their hands in placing and turning motions to use screwdrivers, pliers etc. (manual dexterity).
- Are able to quickly and accurately manipulate small objects with their fingers, for example to place a screw (finger dexterity).
- Pay attention to detail.
- Have good colour vision.

Note: Most employers prefer to hire apprentices who have completed high school.

For current educational requirements, please see your counsellor or contact the Apprenticeship Training Unit of Advanced Education at:

**P.O. Box 2703, Whitehorse, Yukon Y1A 2C6
Ph: (867) 667-5298 or Fax: (867) 667-8555
Toll free: 1-800-661-0408**

Electric Motor System Technician

They are responsible for testing, rebuilding and repairing electric motors, generators, transformers, controllers and related electrical and mechanical equipment used in commercial, industrial and institutional establishments.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Skills and Interests

- Mechanical skill and interest
- Ability to lift up to 25 kilograms
- Attention to detail
- Moves hands easily in placing and turning motions to use screwdrivers, pliers etc. (manual dexterity)

Typical Journeyperson Salary Range

\$16 - \$27 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Electrician

Bringing electricity where it's needed, follow blueprints, sketches or specifications to install, assemble, test, repair and remove new or existing electrical wiring and components in residential and industrial applications. They also use a variety of tools, power tools and testing equipment

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks for levels 1-3 12 weeks for level 4

Skills and Interests

- Good colour vision to work with colour-coded wiring
- Good with numbers
- Moves hands easily in placing and turning motions to use screwdrivers, pliers etc. (manual dexterity)
- Able to work at heights
- Precise

Typical Journeyperson Salary Range

\$20 - \$35 per hour plus benefits



Electronics Technician (Consumer Products)

Services and repairs electronic equipment, such as radios, televisions, CD players and home computers. They use various testing equipment such as voltmeters, oscilloscopes, signal generators and frequency counters.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Skills and Interests

- Moves hands easily in placing and turning motions to use screwdrivers, pliers etc. (manual dexterity)
- Normal colour vision
- Able to concentrate

Typical Journeyperson Salary Range

\$16 - \$28 per hour plus benefits

Powerline Technician

When there's trouble with your power, the Powerline Technician finds the source of the problem and fixes it. They also build overhead and underground power lines used to carry electricity from generating plants to the customer. They put up and maintain poles and towers as well as install and look after street lighting systems.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks in levels 1-3

Skills and Interests

- Able to lift heavy objects up to 25 kilograms
- Good hearing and colour vision
- Able to work at heights and in different and extreme weather

Typical Journeyperson Salary Range

\$24 - \$31 per hour plus benefits

Power System Electrician

This tradesperson works in substations or metering, to install, maintain and repair electrical power generation, transmission and distribution systems and equipment.

In substations, work with high voltage equipment such as circuit breakers, transformers, switches and the control circuits for protection, indication and monitoring systems. Involves adjusting relays, working on safety devices, and maintaining the large switch gear.

In metering, work with recording devices such as supervisory controls, indicating and recording devices, switchboards and equipment circuitry found in generating stations and powerhouses. They may install “demand” meters when a client company wishes to review the way it is billed for power usage.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks in level 1 and 2 10 weeks in level 3 and 4

Skills and Interests

- Attention to detail
- Ability to handle heavy switch gear
- Works with precision instruments to “fine tune” equipment

Typical Journeyperson Salary Range

\$20 - \$30 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories



Industrial Trades

Industrial Instrument Mechanic, Insulator (Heat and Frost), Industrial Mechanic (Millwright), Sawfitter/Filer, and Industrial Warehouse Worker

These skilled tradespeople usually work at industrial sites, constructing and taking care of machines and parts used in industrial and consumer products. They use precision machinery, various power hand tools, power machines, torches and welding equipment

Apprenticeship training for trades in this category ranges from three to four years.

The industrial trades may appeal to those who:

- Enjoy repairing or putting together machinery (mechanically inclined).
- Enjoy working with numbers.
- Are able to easily move their hands in placing and turning motions to operate testing equipment etc. (manual dexterity).
- Like working with tools and equipment.
- Work in these trades could involve working in tight spaces and in noisy atmospheres.

Note: Most employers prefer to hire apprentices who have completed high school.

For current educational requirements, please see your counsellor or contact the Apprenticeship Training Unit of Advanced Education at:

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Toll free: 1-800-661-0408**

Industrial Instrument Mechanic

Installs, maintains and repairs the control and metering systems used in industrial and commercial processing. Uses electrical and electronic devices to check, test, measure and control variables such as pressure, flow, temperature, motion and force.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks in levels 1 and 2 10 weeks in levels 3 and 4

Skills and Interests

- Attention to detail
- Able to work in tight or high places
- Can handle noisy, dusty or cold and warm surroundings

Typical Journeyperson Salary Range

\$20 - \$29 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Insulator (Heat and Frost)



The work of this tradesperson keeps things cool in the summer, warm in the winter and stops noise and fire from spreading. The Insulator applies, removes and repairs insulation using hand and power tools keeping things warm or cool, and to stop noise and fire from spreading. Insulation is glued, taped, stapled or blown into place.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	6 weeks in levels 1 and 2 8 weeks in level 3

Skills and Interests

- Comfortable with heights and working in tight places.
- Able to work indoors and outdoors in very hot or cold settings
- Can handle dusty surroundings

Typical Journeyperson Salary Range

\$18 - \$26 per hour plus benefits

Industrial Mechanic (Millwright)



Depended on by industry to install machinery and keep equipment running smoothly, the Industrial Mechanic installs, tests and fixes machinery and equipment in mines, production plants and recreational facilities.

Length of Training

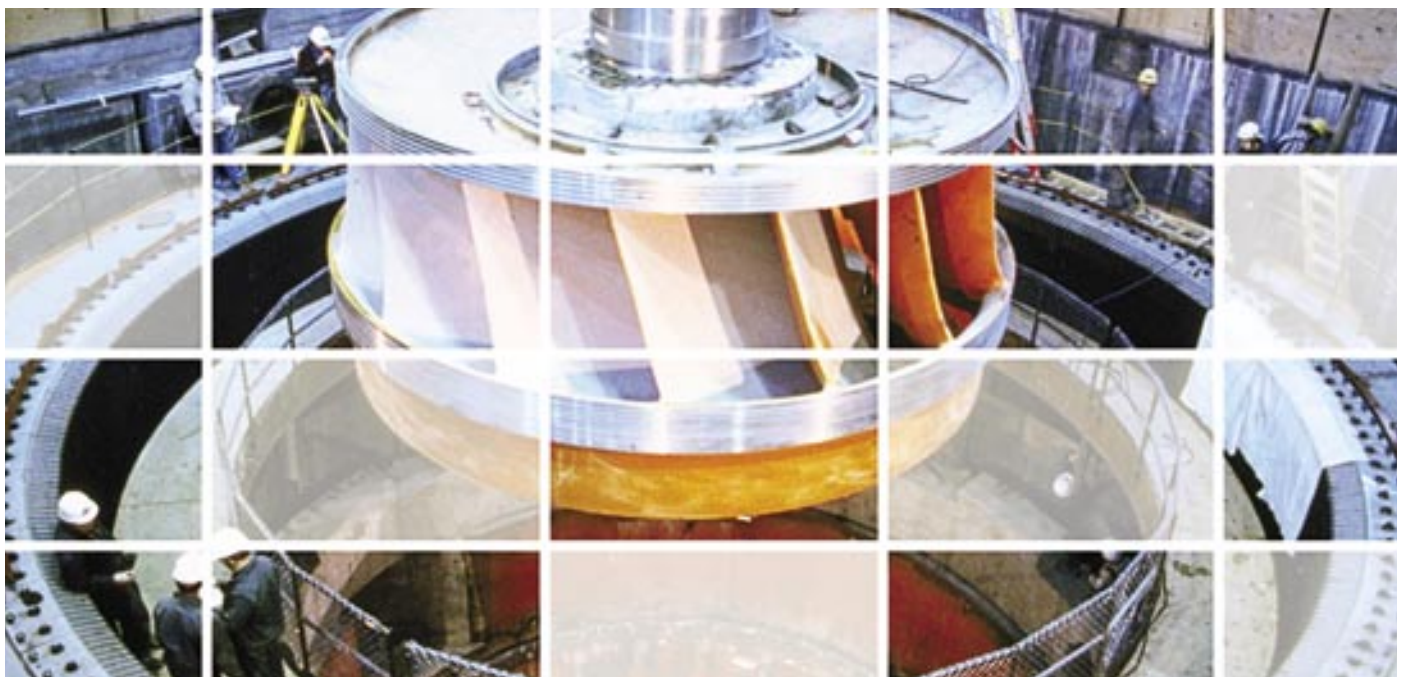
Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Skills and Interests

- Mechanically inclined
- Enjoys fixing things

Typical Journeyperson Salary Range

\$20 - \$29 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Sawfitter/Filer

Using hand tools, filing machines and welding equipment, sharpen and repair saws including band saws, chain saws and circular saws for the lumber and wood products processing plants.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	4 weeks for level 1 and 2 8 weeks for level 3

Skills and Interests

- Moves hands easily in placing and turning motions (manual dexterity)
- Good eye-hand coordination
- Can handle noisy surroundings and lifting of heavy objects
- Willing to live and work in remote areas

Typical Journeyperson Salary Range

\$17 - \$24 per hour plus benefits

Industrial Warehouse Worker

These tradespeople make sure products such as food, office supplies, tools and equipment get to where they are needed. They are responsible for general warehouse activities including receiving, storing and shipping products, handling and transportation.

Length of Training

Levels	On-the-Job	
3	1800 hours per level	Modules 1-20* Distance Education

* Modules are 20-30 hours each.

Skills and Interests

- Physical strength and energy
- Able to stand most of the day
- Able to lift up to 25 kilograms
- Good math and computer skills

Typical Journeyperson Salary Range

\$17 - \$26 per hour plus benefits



Photo: www.archbould.com



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories



Metal Trades

Machinist, Sheet Metal Worker, and Welder

Working indoors in shops and/or outdoors in all kinds of weather, work in the metal trades means making products using machines and tools.

Apprenticeship training for the trades in this category ranges from three to four years.

The metal trades may appeal to those who:

- Enjoy repairing or putting together machinery (mechanically inclined).
- Are able to easily move their hands in placing and turning motions to use wrenches etc. (manual dexterity).
- Like working with tools and equipment.
- Have excellent eye-hand coordination to perform detailed work.
- Are able to concentrate on detailed work.
- Can see the finished product from an idea or drawing.
- Have patience.
- Work in these trades could involve working in high, awkward and noisy places.

Note: Most employers prefer to hire apprentices who have completed high school.

For current educational requirements, please see your counsellor or contact the Apprenticeship Training Unit of Advanced Education at:

**P.O. Box 2703, Whitehorse, Yukon Y1A 2C6
Ph: (867) 667-5298 or Fax: (867) 667-8555
Toll free: 1-800-661-0408**

Machinist



Sets up and operates metal cutting and grinding machines to manufacture and repair products made from a variety of materials. Works with hand and power tools and metal working machines, such as lathes, milling machines, drills and grinders.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Skills and Interests

- Can handle noisy, dusty surroundings and working with dirty materials
- Comfortable standing for long periods

Typical Journeyperson Salary Range

\$18 - \$28 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Sheet Metal Worker



Designs, makes, joins, installs and fixes sheet metal products for different industries and settings. Fits and joins sheet metal with welding and other equipment to make products like ventilation shafts, partition frames, air and heat ducts, roof decking and sheet metal buildings. Uses black and galvanized steel, copper, brass, nickel, stainless steel, aluminium and tin plate.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	10 weeks per level

Skills and Interests

- Pays attention to detail
- Able to estimate size and dimensions from blueprints
- Good eyesight
- Moves hands easily in placing and turning motions (manual dexterity)
- Able to visualize a finished product from a drawing

Typical Journeyperson Salary Range

\$18 - \$28 per hour plus benefits

Welder



Joins metal pieces together or shapes metal using manual or semi-automatic welding equipment. Cuts metal using electric arc or gas equipment.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Mechanical skill and interest
- Able to move the fingers and manipulate small objects with the fingers quickly and accurately (finger dexterity)
- Good eyesight and eye-hand coordination

Typical Journeyperson Salary Range

\$18 - \$28 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories



Piping Trades

Gasfitter, Oil Burner Mechanic, Plumber, Steamfitter-Pipefitter, and Sprinkler System Installer

It's all about pipes - from those in homes to those at industrial sites - trades in this category involve installing, fixing and maintaining piping systems.

Apprenticeship training for trades in this category ranges from three to four years.

The piping trades may appeal to those who:

- Enjoy math and sciences.
- Enjoy using hand and power tools.
- Like to take apart and put together pipes and pumps (mechanically inclined).
- Are able to easily move their hands in placing and turning motions to use wrenches etc. (manual dexterity).
- Enjoy precise work.
- Are able to work from high places.
- Tolerate unpleasant weather, noise and odours.

Note: Most employers prefer to hire apprentices who have completed high school.

For current educational requirements, please see your counsellor or contact the Apprenticeship Training Unit of Advanced Education at:

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Gasfitter

Sizes, installs, tests and fixes natural gas and propane equipment ranging from residential furnaces to industrial boilers. This tradesperson works at utility, propane distributor and mechanical and services companies.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Mechanically inclined
- Moves hands easily in placing and turning motions (manual dexterity)
- Able to lift heavy objects up to 25 kilograms

Typical Journeyman Salary Range

\$17 - \$26 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Oil Burner Mechanic

Sizes, installs, tests and fixes oil fired heating unit(s) in residential, commercial, and industrial locations using hand and power tools.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Mechanically inclined
- Moves hands easily in placing and turning motions (manual dexterity)
- Able to lift heavy objects up to 25 kilograms

Typical Journeyperson Salary Range

\$17 - \$26 per hour plus benefits

Plumber

Piping systems carry water, waste and gases, and plumbers are there to install, repair and maintain them. They also install fixtures like sinks and toilets and other plumbing systems in homes and buildings.

Length of Training

Levels	On-the-Job	In-Class
4	1600 hours per level	8 weeks per level

Skills and Interests

- Energy and strength to lift heavy pipes
- Able to stand for long periods and sometimes work in cramped positions

Typical Journeyperson Salary Range

\$17 - \$28 per hour plus benefits

Steamfitter - Pipefitter

Puts together, makes, installs and repairs pipe systems that carry liquids and gases such as water, steam or air using hand or power tools or machines. They generally work with steam boilers and other high- and low-pressure steam systems.

Length of Training

Levels	On-the-Job	In-Class
4	1600 hours per level	8 weeks per year

Skills and Interests

- Precise to measure, cut, tread and bend pipe to required shape

Typical Journeyperson Salary Range

\$17 - \$28 per hour plus benefits

Sprinkler System Installer

Part of keeping people safe during a fire depends on these skilled tradespeople who make, install, test, maintain and fix sprinkler systems used for fire protection in industrial operations, office buildings, hotels, schools, hospitals and homes.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	7 weeks for levels 1-3

Skills and Interests

- Energy and strength to lift heavy pipes
- Able to stand for long periods and sometimes work in cramped positions
- Precise to join cut piping sections

Typical Journeyperson Salary Range

\$17 - \$28 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories



Service Trades

Baker, Cook, Hairstylist, and Refrigeration and Air Conditioning Mechanic

From Baker to Cook to Hairstylist, and Refrigeration and Air Conditioning Mechanic, these skilled tradespeople provide service to the public.

Apprenticeship training for trades in this category ranges from two to four years.

The service trades may appeal to those who:

- Enjoy working with and being around people.
- Like creating things from scratch.
- Like to figure out solutions to problems.
- Are able to easily move their hands in placing and turning motions (manual dexterity).
- Are able to quickly and accurately manipulate small objects with their fingers (finger dexterity).
- Have a good sense of proportion.


Note: Most employers prefer to hire apprentices who have completed high school.

For current educational requirements, please see your counsellor or contact the Apprenticeship Training Unit of Advanced Education at:

**P.O. Box 2703, Whitehorse, Yukon Y1A 2C6
Ph: (867) 667-5298 or Fax: (867) 667-8555
Toll free: 1-800-661-0408**

Baker

Makes the bread, cookies, cakes, pies and other baked goods we eat by carefully weighing, measuring, and mixing the ingredients according to the recipe. Works with a variety of kitchen utensils and large and small appliances.

 **Red Seal Program** – allows qualified tradespeople to work in most Canadian provinces or territories

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Willing to stand for long periods
- Responsible attitude to maintain a high standard of cleanliness necessary in the food industry

Typical Journeyperson Salary Range

\$12 - \$18 per hour plus benefits

Cook

In hotels, restaurants, hospitals and other places, Cooks plan menus and prepare all sorts of meals.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Enjoys working with food
- Willing to stand for long periods
- Works quickly and carefully
- Responsible attitude to maintain a high standard of cleanliness necessary in the food industry

Typical Journeyperson Salary Range

\$12 - \$18 per hour plus benefits

Hairstylist

Whether it's a trim or makeover, Hairstylists use their skills to shampoo, cut, colour and style hair. They maintain, clean and sterilize equipment, including brushes, combs, clippers and scissors.

Length of Training

Levels	On-the-Job	In-Class
2	1800 hours per level	10 weeks per level

Skills and Interests

- Willing to stand for long periods and bend throughout the day
- Keeps up to date on new hair fashions and trends

Typical Journeyperson Salary Range

\$15 - \$18 per hour plus benefits



Refrigeration and Air Conditioning Mechanic

In homes, restaurants, grocery stores, hospitals and other sites, refrigeration and air conditioning systems and combined heating and cooling systems are installed, fixed and maintained by these tradespeople. When air conditioning and refrigeration equipment breaks down, these mechanics solve the problem by testing parts such as compressors and thermostats.

Length of Training

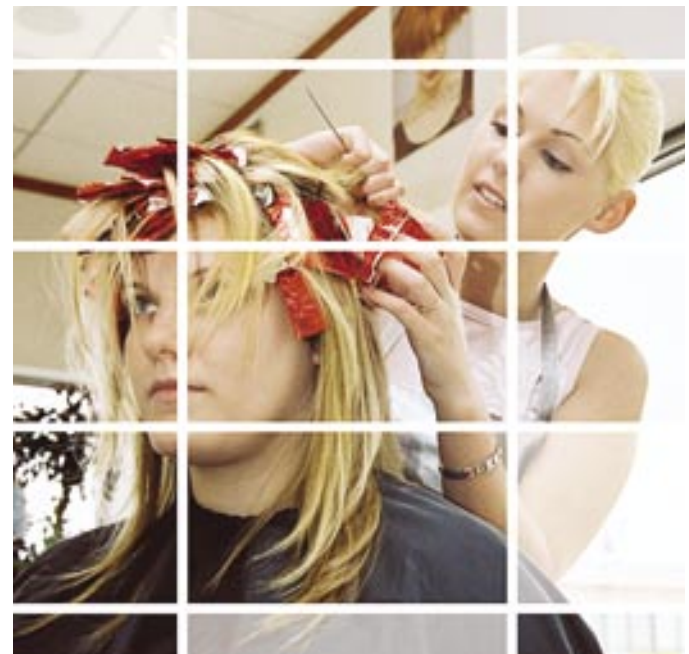
Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Skills and Interests

- Moves hands easily in placing and turning motions (manual dexterity)
- Moves fingers easily to place fine and small objects (finger dexterity)
- Able to tell colours apart
- Able to lift over 25 kilograms
- Uses sight, hearing, and smell to spot problems

Typical Journeyperson Salary Range

\$23 - \$32 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories



Motor Vehicle Related Trades

Outdoor Power Equipment Technician, Motor Vehicle Body Repairer (Metal and Paint), Automotive Painter, Automotive Service Technician, Heavy Equipment and Truck and Transport Technician, Transport Trailer Technician, Truck and Transport Technician, Heavy Duty Equipment Technician (Off Road), Partsperson, and Recreation Vehicle Service Technician

We wouldn't be on the move without people working in these trades. They fix and look after outdoor power equipment, cars, trucks, on and off road heavy equipment, and the parts and equipment related to these vehicles/equipment.

Apprenticeship training for trades in this category ranges from two to four years.

The motor vehicle related trades may appeal to those who:

- Like working on outdoor power equipment, cars, trucks, heavy equipment and other vehicles.
- Are able to easily move their hands in placing and turning motions to use wrenches etc. (manual dexterity).
- Like the challenge of finding out what is wrong with something and fixing it.
- Enjoy taking apart and putting together machinery and motors (mechanically inclined).
- Have the ability to estimate size and dimensions.
- Are able to visualize a finished piece of work from a sketch or brief description.
- Have good eyesight and are able to spot differences in the way something looks.
- Persist until the job is right.

Note: Most employers prefer to hire apprentices who have completed high school.

For current educational requirements, please see your counsellor or contact the Apprenticeship Training Unit of Advanced Education at:

**P.O. Box 2703, Whitehorse, Yukon Y1A 2C6
Ph: (867) 667-5298 or Fax: (867) 667-8555
Toll free: 1-800-661-0408**

Outdoor Power Equipment Technician



Repairs, services and maintains small gasoline and diesel powered recreational, marine and other equipment used by homeowners and industries, using hand and power tools and other equipment. Inspects and tests engines and motors, adjusts, repairs and replaces mechanical and electrical components. Outdoor Power Equipment Technicians work in one of three areas:

Marine Equipment Technician - services outboard motors in boats and other watercrafts

Power Equipment Technician - services generators, mowers and chain saws

Recreational Equipment Technician - services snowmobiles and recreational utility vehicles

Length of Training

Levels	On-the-Job	In-Class
3	1600 hours per level	8 weeks for levels 1 and 2 14 weeks for level 3



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Skills and Interests

- Can work with dirty and greasy materials
- Interested in all types of machinery and engines
- Enjoys working with people and providing good customer service

Typical Journeyperson Salary Range

\$18 - \$26 per hour plus benefits

Motor Vehicle Body Repairer (Metal and Paint)



In your local body shop or dealership, this technician fixes and replaces damaged vehicle structures and body parts, and applies interior and exterior finishes.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	4 weeks for level 1 7 weeks for levels 2 and 3 6 weeks for level 4

Skills and Interests

- Strength and energy to handle heavy tools and parts
- Good eye for detail and colour
- Moves hands easily in placing and turning motions (manual dexterity)

Typical Journeyperson Salary Range

\$17 - \$28 per hour plus benefits

Automotive Painter



In local body shops and dealerships, this tradesperson does damage appraisals, surface preparation, minor damage repairs, masking, colour matching, priming and top coating.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	4 weeks for level 1 6 weeks for level 2

Skills and Interests

- Strength and energy to handle heavy tools and parts
- Good eye for detail and colour
- Moves hands easily in placing and turning motions (manual dexterity)

Typical Journeyperson Salary Range

\$17 - \$26 per hour plus benefits

Automotive Service Technician



A worker in this trade is there to spot any potential problems on vehicles and light trucks. They also repair, adjust and test engines, steering systems, braking systems, drive trains, vehicle suspensions, electrical and air-conditioning systems and perform wheel alignments.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Skills and Interests

- Good hearing and eyesight
- Moves hands easily in placing and turning motions (manual dexterity)
- Mechanically inclined

Typical Journeyperson Salary Range

\$18 - \$29 per hour plus benefits



Red Seal Program – allows qualified tradespeople to work in most Canadian provinces or territories

Heavy Equipment and Truck and Transport Technician

Working in all three branches of the on and off road trades generally involves repairing, replacing and maintaining heavy equipment, vehicles and industrial equipment used in mining, construction, forestry, and transportation industries.

Length of Training

Levels	On-the-Job	In-Class
4	1800 hours per level	8 weeks per level

Transport Trailer Technician

Maintains and repairs transport devices such as flat decks, dry freight vans, refrigerated vans, tankers, dump trailers and other commercial pull type devices.

Length of Training

Levels	On-the-Job	In-Class
2	1800 hours per level	8 weeks

Truck and Transport Technician

Maintains and repairs stationary and mobile equipment with internal combustion engines such as trucks, highway tractors, trailers and buses.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Heavy Duty Equipment Technician (Off Road)

Maintains and repairs stationary and mobile equipment with internal combustion engines such as, backhoes, trenchers, scrapers, dozers and loaders.

Length of Training

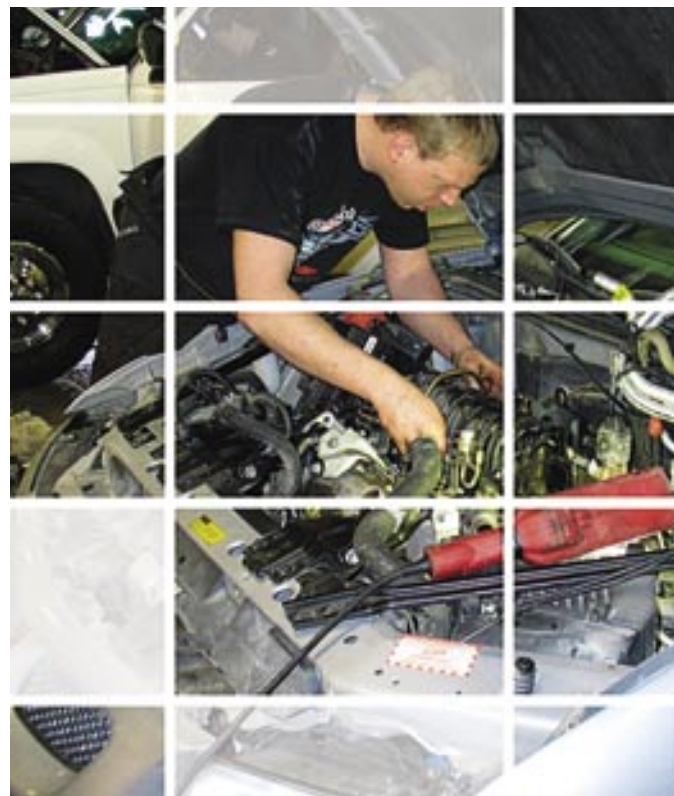
Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Good eyesight, hearing and sense of smell to diagnose problems
- Strength and energy to work with heavy equipment
- Able to work in cramped or awkward positions
- Mechanical ability and an interest in all types of machinery and engines, electronics and precision equipment

Typical Journeyperson Salary Range in these Occupations

\$18 - \$29 per hour plus benefits



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Partsperson

When equipment breaks down or wears out, it's up to the Partsperson to make sure the parts are available for repairs or replacements. They order and keep track of parts for vehicles, appliances, machinery and equipment.

Length of Training

Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks for level 1 6 weeks for levels 2 and 3

Skills and Interests

- Basic math skills
- Attention to details, like parts catalogues and inventories

Typical Journeyperson Salary Range

\$17 - \$28 per hour plus benefits

Recreation Vehicle Service Technician

Whether for motor homes, trailers or truck campers, tradespeople in this trade install and repair recreational vehicle parts, including appliances, furnaces, refrigerators, windows, doors and vents.

Length of Training

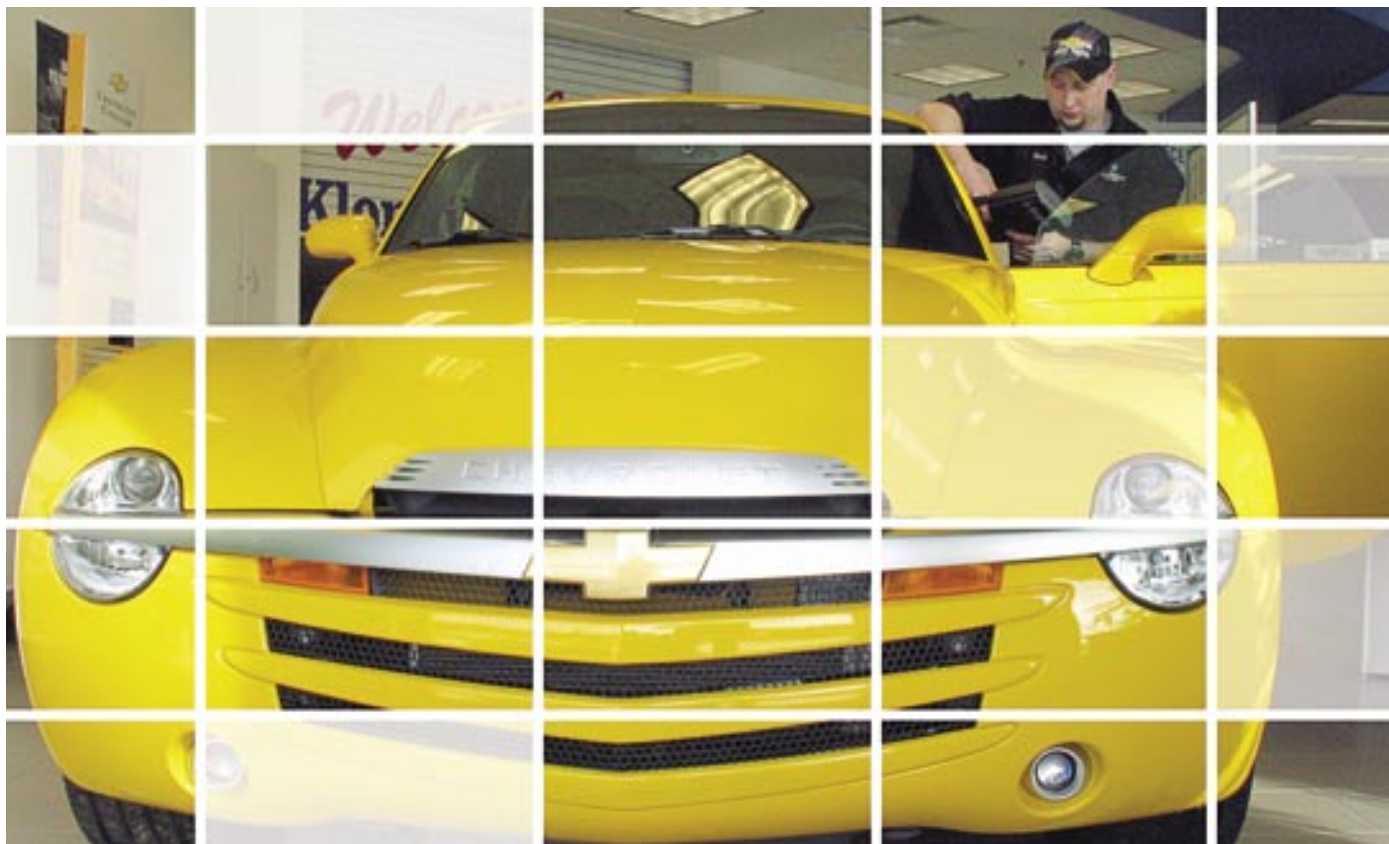
Levels	On-the-Job	In-Class
3	1800 hours per level	8 weeks per level

Skills and Interests

- Moves hands easily in placing and turning motions (manual dexterity)
- Mechanical and electrical aptitude
- Able to balance and work from ladders
- Able to drive large vehicles

Typical Journeyperson Salary Range

\$17 - \$26 per hour plus benefits



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Resources

Career Options

The Internet is great tool to help you plan your career of find a job. The following web sites are a good start to find out more about your career options:

www.education.gov.yk.ca

Yukon Apprenticeship information and Apprenticeship Consultants contact information

www.caf-fca.org

Canadian Apprenticeship Forum
Links to: Additional apprenticeship information, background and perspective from CAF-FCA member organizations

www.ayn.ca

Aboriginal Youth Network
Created for youth, this site connects Aboriginal kids from across Canada

www.careerccc.org

On-line activities to help youth discover how everyday tasks can help them build skills they will need to face the many challenges of the workforce.

www.youthpath.ca

Youth Path
Gateway to many job-related sites across Canada

What financial assistance is available?

Registered apprentices in Yukon may be eligible for financial assistance from Human Resources and Skills Development Canada while attending the in-school technical training portion of their apprenticeship program.

Further Information on Financial Assistance:

For up to date information about financial assistance for apprentices, please call Human Resources and Skills Development Canada at 667-5083 or Advanced Education, Apprenticeship Training Unit toll free 1-800-661-0408 extension 5298 or in Whitehorse call 667-5298.

Further Information on Apprenticeship:

Yukon

Education
Advanced Education Branch

P.O. Box 2703

Whitehorse, Yukon

Y1A 2C6

Ph: (867) 667-5298

Fax: (867) 667-8555

Toll free: 1-800-661-0408

