

Careers in the Skilled Trades & Apprenticeship

Post-Secondary Pathway Planning Workshop

St. Mary Guidance

4 Sectors of Skilled Trades



ONTARIO
YOUTH
APPRENTICESHIP
PROGRAM

APPRENTICESHIP

In Ontario

LIVE THE SKILLED LIFE!

www.oyap.com

MOTIVE POWER

- Agricultural Equipment Technician
- Alignment and Brakes Technician
- Auto Body and Collision Damage Repairer
- Auto Body Repairer
- Automotive Electronic Accessory Technician
- Automotive Glass Technician
- Automotive Painter
- Automotive Service Technician
- Heavy Duty Equipment Technician
- Marine Engine Technician
- Motive Power Mechanic
- Motorcycle Technician
- Powered Lift Truck Technician
- Recreation Vehicle Technician
- Small Engine Technician
- Tire, Wheel and Rim Mechanic
- Transmission Technician
- Truck and Coach Technician
- Truck Trailer Service Technician
- Turf Equipment Technician

SERVICE

- Aboriginal Child Development Practitioner
- Agriculture - Dairy Herdperson
- Agriculture - Fruit Grower
- Agriculture - Swine Herdperson
- Appliance Service Technician
- Arborist
- Assistant Cook
- Baker
- Baker/Patisserie
- Chef (C of Q Required)
- Child and Youth Worker
- Child Development Practitioner
- Cook
- Developmental Services Worker
- Educational Assistant
- Electronic Service Technician
- Gem Setter/Goldsmith
- Hairstylist
- Hardware, Lumber & Building Materials Retailer
- Horse Groom
- Horse Harness Maker
- Horticultural Technician
- Information Technology - Hardware Technician
- Information Technology - Network Technician
- Institutional Cook
- Information Technology - Contact Centre Customer Service Agent
- Information Technology - Contact Centre Sales Agent
- Information Technology - Contact Centre Technical Support Agent
- Micro-Electronics Manufacturer
- Native Clothing & Crafts Artist
- Network Cabling Specialist
- Parts Technician
- Pool and Hot Tub/Spa Installer
- Pool and Hot Tub/Spa Service Technician
- Retail Meat Cutter
- Saddlery
- Special Events Coordinator
- Utility Arborist
- Wooden Boat Rebuilder/Repairer

CONSTRUCTION

- Architectural Glass & Metal Technician
- Brick and Stone Mason
- Cement (Concrete) Finisher
- Concrete Pump Operator
- Construction Boilermaker
- Construction Craft Worker
- Construction Millwright
- Drywall, Acoustic & Lathing Applicator
- Drywall, Finisher & Plasterer
- Electrician - Construction & Maintenance
- Electrician - Domestic and Rural
- Exterior Insulated Finishing Systems Mechanic
- Floor Covering Installer
- General Carpenter
- Hazardous Materials Worker
- Heat and Frost Insulator
- Heavy Equipment Operator - Dozer
- Heavy Equipment Operator - Excavator
- Heavy Equipment Operator - Tractor Loader Backhoe
- Hoisting Engineer - Mobile Crane Operator 1
- Hoisting Engineer - Mobile Crane Operator 2
- Hoisting Engineer - Tower Crane Operator
- Ironworker - Generalist
- Ironworker - Structural and Ornamental
- Native Residential Construction Worker
- Painter and Decorator - Commercial and Residential
- Painter and Decorator - Industrial
- Plumber
- Powerline Technician
- Precast Concrete Erector
- Precision Concrete Finisher
- Refractory Mason (C of Q Required)
- Refrigeration/Air Conditioning Systems Mechanic
- Reinforcing Rodworker
- Residential Air Conditioning Systems Mechanic
- Residential (low rise) Sheet Metal Installer
- Restoration Mason
- Roofer
- Sheet Metal Worker
- Sprinkler & Fire Protection Installer
- Steamfitter
- Terrazzo, Tile & Marble Setter

INDUSTRIAL

- Bearings Mechanic
- Blacksmith
- Cabinetmaker
- Computer Numerical Control (CNC) Programmer (C of Q Required)
- Composite Structures Technician
- Die Designer (C of Q Required)
- Draftsperson - Mechanical
- Draftsperson - Plastic/Mould Design
- Draftsperson - Tool and Die Design
- Electric Motor System Technician
- Electrical Control (Machine) Builder
- Electrician - Signal Maintenance
- Elevating Devices Mechanic
- Entertainment Industry Power
- Facilities Mechanic
- Facilities Technician Fitter-Assembler (Motor Assembly)
- General Machinist
- Hydraulic/Pneumatic Mechanic
- Industrial Electrician
- Industrial Mechanic Millwright
- Instrumentation & Control Technician
- Light Rail Overhead Contact System Linerperson
- Locksmith
- Machine Tool Builder & Integrator
- Metal Fabricator (Fitter)
- Mould Designer
- Mould Or Die Finisher
- Mould Maker
- Optics Technician (Lens & Prism Maker)
- Packaging Machine Mechanic
- Potlatch Maker
- Precision Metal Fabricator
- Pressure Systems Welder (C of Q Required)
- Process Operator - Food Manufacturing
- Process Operator - Power
- Process Operator - Refinery, Chemical and Liquid Processes
- Process Operator - Wood Products
- Pump Systems Installer/Mechanic
- Railway Car Technician
- Relay and Instrumentation Technician
- Roll Grinder/Turner
- Saw Filer/Fitter
- Ski Lift Mechanic
- Surface Blaster
- Surface Mount Assembler
- Technician
- Thin Film Technician
- Tool and Cutter Grinder
- Tool and Die Maker
- Tool and Gauge Inspector
- Tool/Tooling Maker
- Tractor Trailer Commercial Driver
- Water Well Driller
- Welder



ONTARIO COLLEGE OF TRADES
ORDRE DES METIERS DE L'ONTARIO



Voluntary Trade

Refers to trades that do not require being a registered apprentice or licensed journeyman.



Compulsory Trade

To work in a trade licensed under 'compulsory', one must be a registered apprentice or journeyman.



Red Seal Trade

The Red Seal or Interprovincial Standards Program allows for greater mobility of skilled trade workers across Canada.

What is Apprenticeship?

- Apprenticeship is a workplace-based training program for people who want to work in a skilled trade.
- 80% of the apprenticeship is on-the-job under the supervision of skilled tradespeople.
- 20% occurs at a post-secondary institution or other approved training organization.
- Apprentices are workers so they can earn while they learn a trade.
- An apprenticeship can take between 2 – 5 years to complete

Types of Apprenticeships

- **Compulsory Trade:** the apprentice must train under a journeyperson qualified/certified in the selected trade. Journeypersons and Apprentices must be members of the Ontario College of Trades e.g. *automotive service technician, electrician, hairstylist, plumber*
- **Voluntary Trade:** the apprentice may train under an experienced mentor, but does not have to complete an apprenticeship to work in that trade. Tradespersons are not required to be a member of Ontario College of Trade. Apprentice must be member of the Ontario College of Trades. e.g. *carpenter, cook, welder*
- **Red Seal:** Interprovincial Standards Program which allow for greater mobility of skilled trades workers across Canada.

What is an apprenticeship?

An apprenticeship is a form of post secondary education similar to college or university. It involves a combination of on-the-job training and classroom learning which leads to a trade credential or 'ticket'. Apprentices not only learn skills in a classroom, but they also receive paid on-the-job training with an employer.



The Apprenticeship pathway

Apprenticeship Process

Find an Employer/Sponsor



Register with MTCU/Ontario College of Trades



Apprenticeship Training Agreement/Contract
School, Training Standards, Hours



Certificate of Apprenticeship



Final Exam



Certificate of Qualification

Pathways to Apprenticeship

- **St. Mary Co-op/OYAP (Ontario Youth Apprenticeship Program):** Grade 11 and/or 12.
- **Employer/Apprentice Connection:** Apprentice finds an Employer to sponsor them. Apprentice & Employer register with the MTCU Apprenticeship Office and sign a Training Agreement.
- **Union or Industry Approved Training:** Some unions or trade associations run their own training centres.
- **Private Career Colleges:** These programs vary in time, length, expense and effectiveness in placing students in apprenticeships
- **Other:** Community service (e.g. Habitat for Humanity), part-time employment (e.g. home improvement stores)

Pathways to Apprenticeship

- **Pre-Apprenticeship Programs:** Offered by colleges, approved apprenticeship deliverers, community agencies. Programs are up to 52 weeks in duration, and may include Level 1 apprenticeship in-school training, safety training, and an 8 to 12 week work placement.
- **Co-op Diploma Apprenticeship Programs:** Ontario colleges combine a college diploma and apprenticeship training leading to a Certificate of Qualification.
- **College Certificates or Diploma Programs:** Applied Arts or Technology Certificates or Diplomas related to skilled trades. [ontariocolleges.ca: keywords = pre-trades, trades, apprenticeship]

Skilled Trades Programs at College

ontariocolleges.ca Applying ▾ Colleges ▾ Programs FAQ ▾ 🔍

Explore by category: **Professions & Trades** ✕

Blasting	Cabinetmaking	Carpentry
CNC / CAD / CAM	Construction / Building / Renovation	Cosmetics / Esthetics / Spa
Crane Operator	Electrician / Electrical	Elevating Devices
Gas / Oil Burner	Hair	Heavy Equipment
HRAC - Heating, Refrigeration & Air Conditioning	Machinist	Maintenance - Facilities / Industrial
Manufacturing / Fabrication	Masonry	Mechanical
Mechanical Engineering Tech	Millwright	Mining
Plumbing	Powerline	Small Engine
Tool & Die / Mould Maker	Underwater Skills	Welding
Woodworking		

Some examples of Skilled Trades Programs at College

- **Trades Fundamentals at Durham College**

www.durhamcollege.ca/programs/trades-fundamentals

8 month, Ontario College certificate. Subjects: basic automotive, carpentry, electrical, HVAC, industrial maintenance, machining, plumbing, and welding. May lead to entry into other Trades programs.

- **Trades Fundamentals at Fleming College**

flemingcollege.ca/programs/trades-fundamentals

8 month, Ontario College certificate. Subjects: health & safety, carpentry, plumbing, welding. May lead to entry into other Trades programs.

Some examples of Skilled Trades Programs at College

- **Construction Trades Techniques at George Brown**
<https://www.georgebrown.ca/programs/construction-techniques-program-t176/> 1 year, Ontario College Certificate; topics: electrical, millwrighting, sheet metal/air conditioning, carpentry, welding/steamfitting, and plumbing.
- **Automotive Service Technician Pre-Apprenticeship**
www.centennialcollege.ca/programs-courses/full-time/automotive-service-technician-pre-apprenticeship/ 36 weeks/3 phases, Ontario College Certificate. Tuition-free, earn Level 1 Technician training, and receive assistance in finding short work placement.
- **Apprenticeship Programs at Centennial**
<https://www.centennialcollege.ca/programs-and-courses/apprenticeship-programs>

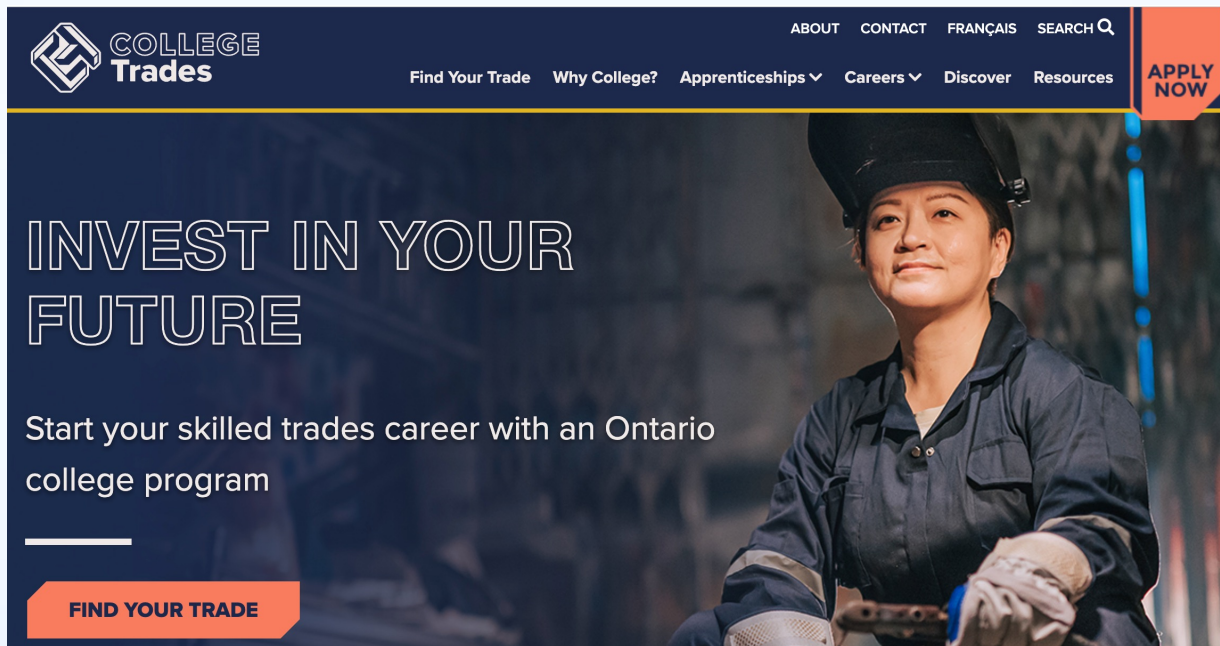
Some examples of Skilled Trades Programs at College

- **Pre-Apprenticeship Programs at Durham College**
<https://durhamcollege.ca/pre-apprenticeship-programs>

- To address the skilled trades shortage in Canada, Durham College's (DC) Pre-Apprenticeship programs offer FREE training for aspiring workers who want the necessary qualifications to enter or advance in the skilled trades. Participants receive safety equipment, textbooks, and tools at no cost, and are trained for up to 52 weeks, depending on the program. The pre-apprenticeship programs at DC reflect the college's ongoing commitment to empowering workers and job seekers who face higher barriers.
- In addition to level 1 apprenticeship in-school training for a primary trade, our pre-apprenticeship program includes 2 weeks of exposure to a secondary trade, academic upgrading in math and communications, job readiness training and health and safety training.
- **Electrical, Plumbing and Welding**
Start Date: May 23, 2023 - End Date: December 15, 2023

“College Trades”

<https://trades.ontariocolleges.ca/>



- Ontario's colleges are at the forefront of technology, innovation, and workforce development, preparing students for success in the cutting-edge careers of tomorrow. This site is dedicated to showcasing the many unique skilled trades and technology careers available to graduates of relevant programs offered by Ontario's public colleges.

Apprenticeship Process

Training Agreement

- The Training Agreement is an agreement between the apprentice, sponsor and the Ministry of Training, Colleges and Universities, for your particular trade.
- When you sign the agreement, you are agreeing to:
 - Maintain your membership with the Ontario College of Trades
 - Complete all the required levels of school
 - Complete the skills outlined in the Training Standard
 - Complete the number of hours listed on your Training Agreement
- Once you have completed these requirements, you will be eligible to complete your apprenticeship and write the final exam.

Apprenticeship Process



ONTARIO COLLEGE OF TRADES
ORDRE DES MÉTIERS DE L'ONTARIO

Apprenticeship
Training Standard
Log Book

Automotive Service
Technician

310S

Apprentice Training Standard

- Specific to industry
- ATS should be signed off regularly as skills of the trade are acquired.
- Your personal log for the duration of apprenticeship regardless of employer so must be kept up to date.
- <https://www.skilledtradesontario.ca/about-trades/trades-information/>

Apprenticeship Process

In-School Training

- For most basic apprenticeships, there are 3 levels of in-school training:
 - Basic (Level 1)
 - Intermediate (Level 2)
 - Advanced (Level 3)
- It is usually 1 – 1.5 years after the registration date, before an apprentice is offered a spot in class.
- All colleges used the wait-list system. Apprentices are placed on the wait list for their preferred college. Position is determined by registration date.

Apprenticeship Process

1) Start with Research

MTCU Apprenticeship Office, ApprenticesSearch.com, Ontario College of Trades, Unions/Associations

2) Prepare your resume, cover letter, references etc

3) Find your Employer/Sponsor

4) Get Registered

Submit Application for Apprenticeship Training to MTCU office. Following a probationary period, MTCU will request a Training Agreement to be signed by Apprentice and Employer. Apprentice registers with Ontario College of Trades (OCOT).

5) Track

Your hours worked, skills learned and demonstrated in the Training Standards manual, in-school training sessions. Employment Training Consultant will monitor sponsors and apprentices throughout the program.

6) Write your Certificate of Qualifications exam

7) Pass C of Q exam = Licensed/Certified Journeyman

Cost of Apprenticeship

Costs

- \$60/year for Ontario College of Trades membership
- Up to \$500/in-school training session (90% of school cost covered by MTCU)
- \$150 to write Certification of Qualifications Exam

Incentives

- Tools Grant
- Apprenticeship Incentive Grant
- Apprenticeship Completion Grant
- Apprenticeship Incentive Grant for Women
- Canada Apprentice Loan

Tips to secure an Apprenticeship

- Career exploration at St. Mary in Tech classes or Cooperative Education (OYAP)
- Pre-apprenticeship training
- Build your resume with community service or employment – e.g. general labourer, retail, Habitat for Humanity
- Reach out to local trades union and businesses

Trades Labour Unions in Ontario

- Carpentry Union: UBC Local 27 <https://www.ubc27.ca/>
- Electrical Union: IBEW Canada <https://www.ibewcanada.ca/>
- HVAC/R Union: UA Local 787 <https://orac.ca/>
- International Union of Elevator Constructors <https://iuec50.org/>
- International Union of Operating Engineers <https://iuoelocal793.org/>
- International Union of Painters & Allied Trades
<https://iupat.on.ca/blog/glaziers-union-toronto/>
- Iron Workers Local Union 721 <https://www.iw721.org/>
- Liuna! (Labourers International Union of North America)
<http://www.liunaopdc.ca>
- Millwright Local Union 2309 <https://www.millwrightlocal2309.ca/>
- Plumbing Union: UA Local 46
<https://www.ualocal46.org/training/about-apprenticeship>
- Power Worker Unions <https://www.pwu.ca/>
- Sheet Metal Workers & Roofers Union <https://smwia-l30.com/>
- Union of Bricklayers & Allied Craftworkers <https://bacweb.org/>

For more information



<https://www.ontario.ca/page/apprenticeship-ontario>

Employment Ontario Apprenticeship Office: 78 Richmond St West,
Oshawa, ON L1G 1E1 1-800-461-4608



www.skilledtradesontario.ca



www.apprenticesearch.com



www.tradesfortomorrow.ca