

The Skilled Trades Handbook A GUIDE TO THE WORLD OF SKILLED TRADES AND APPRENTICESHIPS IN ONTARIO



This Employment Ontario Project is funded in part by the Government of Canada and the Government of Ontario.

Skilled Trades HANDBOOK



Serving Bruce Grey Huron Perth

111 Jackson Street South, Suite 1, PO Box 1078 Walkerton, ON N0G 2V0

THANK YOU

We would like to thank our partners for their support and contributions to this project.





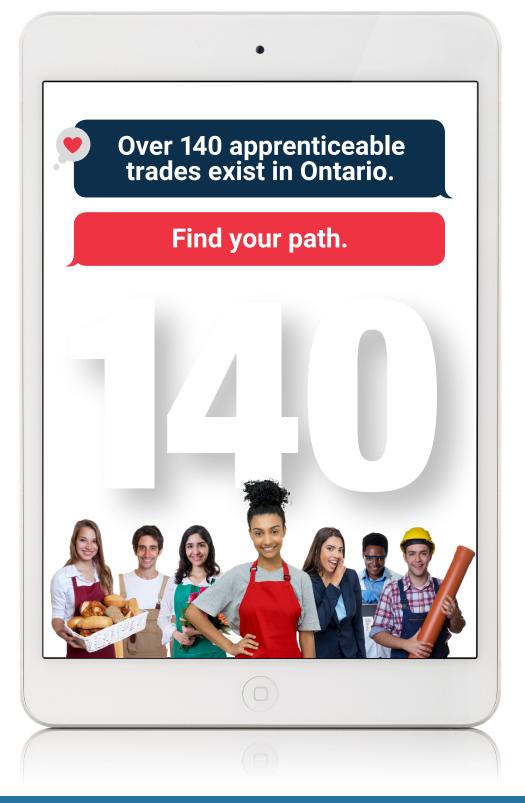
Avon Maitland District School Board Engage, Inspire, Innovate... Always Learning



This handbook has been prepared using information from a variety of sources considered to be reliable. Free to use and share this document in whole or in part with acknowledgement to FCLMPB and partners.

Inside...

What Is Apprenticeship?	4
Skills Matter	6
Ontario Colleges and Training Delivery Agents	8
Local Career Exploration Tools	9
What Is OYAP?	10
Pathways Planning Supports	14
Grants, Loans and Employer Incentives	16
Managing Your Apprenticeship	18
Terms And Definitions	19
National Occupational Classification (NOC)	22
Exploring The Trades	23



FOR MORE INFORMATION

Contact your local apprenticeship office to find out more information. https://www.ontario.ca/page/employment-ontario-apprenticeship-offices



WHAT IS AN **apprentice**

An apprentice is an individual with a registered training agreement who has a workplace or sponsor under which the individual receives training from. There are over 140 skilled trades in Ontario that a person can apprentice in.



SKILLS FOR **Success**

Many of today's trades require math, science, reading and communication skills.



FOR MORE INFORMATION

Visit the Government of Canada website at:

https://www.canada.ca/en/services/jobs/training/initiatives/skills-success.html

ASSESS YOUR Skills

Don't know where to start?

If you are a student visit your cooperative education or guidance offices. You can also contact your local OYAP Recruiter.

If you are no longer in school your first stop should be to get an assessment of your current skills. These service providers will give you advice and support to take the next steps to skilled trades and training opportunities in your area.

Remember, skills get rusty if you don't use them regularly! Upgrade the skills you need to move forward with confidence and success.

There are a number of service providers in your area to help you succeed, just reach out to the one in your area:





ontariocolleges.ca

by OCAS

www.ontario.ca/page/employment-ontario-apprenticeship-offices

LOCAL Colleges



LOCAL TRAINING Delivery Agents



LOCAL CAREER **Planning Tools**

connect 2JOBS



The **connect2jobs platform** and tools are brought to you in partnership with the System Service Manager for Bruce, Grey, Huron and Perth. Your tools to explore local career opportunities and labour market information in the Four County region.

For more information visit: https://employmentbghs.ca/connect2jobs/

Need help? Visit one of the local service providers for support or access the connect2jobs job search resource manual at:

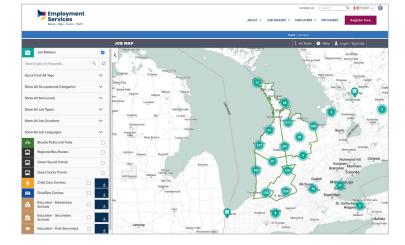
www.planningboard.ca/resources

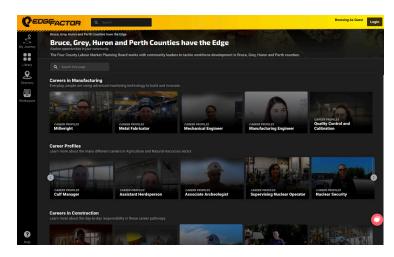
The Community Hub Page – Bruce, Grey, Huron and Perth. Learn more about the employers and organizations in the region. Take a tour and find out what it's like to work in various industries and companies located within the region.

For more information visit: www.edgefactor.com/fourcounty

Are you an employer?

Do you want to learn more about how you can showcase your organization and opportunities? Contact our office at 519-881-2725.

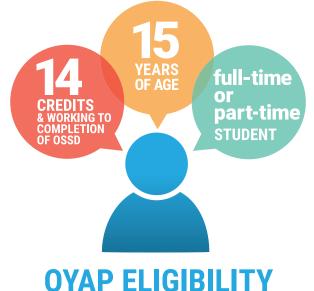






Students participating in cooperative education (co-op) are eligible for the **Ontario Youth Apprenticeship Program (OYAP).**

OYAP is a program that allows students to work in an apprenticeable trade through the co-op program. Students will earn credits towards their Ontario Secondary School Diploma.



Opportunities Through OYAP

- Students can become a registered apprentice and start post-secondary education while still in high school.
 Students require a social insurance number in order to register as an OYAP apprentice. Once registered, students can work towards completing trade competencies and they can count their hours towards their apprenticeship.
- Students can participate in a Level 1 training program through a training delivery agent like Conestoga College, Fanshawe College, Lambton College or the Technical Training Group to name a few.
- Students can access personal protective equipment (PPE) if their employer does not provide it at the placement.



WHAT IS OYAP?

STEP

STEPS TO AN APPRENTICESHIP Through OYAP

Ontario Youth Apprenticeship Program

1. Take a cooperative education course in high school in one of the 144 skilled trades in Ontario

2. Complete paperwork to become an OYAP Participant and receive an OYAP wallet card prior to starting the community portion of your co-op

3. Work with your co-op teacher and your co-op supervisor to determine if you can start your apprenticeship through OYAP

4. If agreed upon, complete paperwork to become an official apprentice through your co-op placement (sign and receive Registered Training Agreement from the MLITSD)

5. Work with your co-op teacher to register with Skilled Trades Ontario through the portal

6. Continue to work towards completing competencies in your Apprenticeship Training Standards Log Book while keeping track of your hours.

7. Talk to your co-op teachers about the possibility of applying for accelerated OYAP. After Graduation & Leaving High School

2

1. Collect your OYAP certificate and Work Education Agreement (WEA) form from your co-op teacher

2. Contact your MLITSD-ETC to discuss the following:

- Copy of your transcript
- Copy of your SIN card
- Proof of age
- Your preference for the in-class portion of your apprenticeship

3. Advise your training consultant if you have changed employers and a new registered training agreement will be created

4. Advise your MLITSD-ETC as well as Skilled Trades Ontario if you have changed any of your personal information (e.g. address, email, etc.) STEP 3

Apprenticeship Responsibilities & Supports

- Work towards completing skill sets in your Apprenticeship Training Standards Log Book
- Keep a record of your hours worked as an apprentice
- Using your Skilled Trades Ontario portal, update any address or employer changes.
- Once you receive an offer for schooling for your in-class training, confirm your acceptance with the Ministry of Labour, Immigration, Training and Skills Development through your Skilled Trades Ontario portal.
- Apply for the various federal and provincial grants and loans for apprentices. These incentives change over time.

ACCELERATED OYAP

What is Accelerated OYAP?

Accelerated OYAP is an extension of OYAP that allows students in grade 12 an opportunity to apply for a level 1 training program through a training delivery agent.

This program is funded through the Ministry of Labour, Immigration, Training and Skills Development as well as the School College Work Initiative. Limited spots are available and students must plan ahead in order to apply to this program. Applications are due in grade 11 and acceptance into the program is not guaranteed and does not happen until right before the training starts.

"Plan Ahead"

For success in Level 1 apprenticeship in-school training, the student should:

- have a strong interest in a specific trade;
- have related work or volunteer experience in a specific trade;
- be successfully participating in the cooperative education program and be enrolled in OYAP.



There are two delivery models for Level 1 training:

Level 1 training at a training delivery agent (TDA) site

Student requires a registered

- training agreement (RTA) Taught by certified instructors
- through the TDA Location and timing is deter
 - mined by TDA Training may be integrated with
 - regular apprentices or a class of OYAP students



Benefits of Accelerated OYAP

- Fast track through the apprenticeship program by starting year one of an apprenticeship in secondary school.
 Students will complete apprenticeship hours and work towards completing competencies during co-op and will complete the level 1 training while in Grade 12
- Learn important health and safety practices in the trade
- Acquire technical training in a dedicated classroom
- Increase confidence in the trade by gaining skills and learning theory
- Experience a smooth transition after graduation from the support of the training delivery agent
- Become a more valuable apprentice with gained skills and knowledge learned at the Level 1 training program

Level 1 training at a secondary school through a TDA

2

- Student does not require a registered training agreement
- Taught by certified instructors
 through the TDA
- Location is determined by the school board and requires approval from the TDA to ensure the facility can support the program
- Training is comprised of a class of OYAP students

SPECIALIST HIGH SKILLS MAJOR

Explore These ADDITIONAL PROGRAMS IN HIGH SCHOOL TO SUPPORT Pathways Planning

The Specialist High Skills Major Program is a program that provides students in secondary school an opportunity to focus on a specific sector and gain valuable experiences while meeting the requirements of the OSSD (Ontario Secondary School Diploma).

Components of the SHSM: 1. 8-10 sector specific courses

 Students gear their learning towards a specific sector and take a bundle of courses that provides them with focused learning. Two of the credits must be in Cooperative Education and in a sector related to the SHSM.

2. Sector Specific Certifications and training

 Students will complete 6-8 sector specific certifications including First Aid & CPR.

3. Reach Ahead Opportunities

 Students will participate in opportunities that expose them to the various post-secondary pathways.

4. Experiential Learning Opportunities

Students will engage in various career exploration activities in the sector that they are enrolled in to gain a deeper understanding of that sector.

5. Sector Partnered Experiences

Experiences in which students engage with a sector partner to explore sectorrelated content, skills, and knowledge involving either ICE (Innovation, Creativity, Entrepreneurship), coding or mathematical literacy.

Why should I take a SHSM?

- Students gain valuable experiences and the program supports their education and career/life planning process
- Students gain sector relevant certifications and training that could help them to get a job or an apprenticeship
- Many Colleges and Universities offer SHSM scholarships
- Students will engage with industry professionals who could possibly support students' throughout their career



PRE-APPRENTICESHIP **PROGRAMS**

The Dual Credit program is a key part of the School-College-Work-Initiative program approved by the Ministry of Education. It allows students, while they are still in secondary school, to take college or apprenticeship courses.

The Dual Credit program is fully funded by the Ministry of Education and allows students to participate in various college courses, including those in the skilled trades. This program also allows students to complete their Level 1 in-school apprenticeship training through various methods. Opportunities vary throughout the province. To find out specific details for your region, please contact your local school board. A Pre-Apprenticeship Training Program supports potential entrants into the apprenticeship system in order to develop their job skills and trade readiness in order to be prepared to find work as apprentices. Various training delivery agents across Ontario provide these programs. The cost for textbooks, safety equipment and tools may be covered through the MLITSD. A pre-apprenticeship program provides an in-class portion along with a paid work placement for 8-12 weeks.

For more information, please visit:

https://www.ontario.ca/page/prepareapprenticeship

GRANTS & LOANS FOR **Apprentices**

Please note that incentives can change. For the most up to date information please visit:

https://www.ontario.ca/page/financial-supports-apprentices

	NAME AND LINK	DESCRIPTION	
	Apprenticeship Incentive Grant (AIG)	A taxable cash grant of \$1,000 per year/level (or equivalent) up to \$2,000 per person in a designated Red Seal trade. To be eligible you must be out of high school, have a registered training agreement and have completed your first level of schooling.	
FEDERAL INCENTIVES	Apprenticeship Completion Grant (ACG)	A one-time taxable cash grant of \$2,000 per person for registered apprentices who complete their apprenticeship training and obtain their journeyperson certification in a designated Red Seal trade. To be eligible you must be out of high school and have proof of your journeyperson certification.	
FEDER/	Canada Apprentice Loan	Apply for up to \$4,000 in interest-free loans per period of technical training in a designated Red Seal trade. The money will be available for you to help pay for tuition, tools, equipment and living expenses, to cover lost wages or to help support your family.	
	Tradesperson's Tools Deduction	A tax deduction on the cost of eligible tools bought during the year to earn employment income as a tradesperson.	
0	Tools Grant	A non-repayable, taxable cash grant for apprentices to use towards the purchase of trades-related tools and equipment. To be eligible you must have a registered training agreement, have been registered for at least 12 months and have completed or been exempted from level one in-class training. \$1,000 - Motive Power Trades \$600 - Construction Trades \$600 - Industrial Trades \$400 - Service Trades	
PROVINCIAL INCENTIVES	Apprenticeship Development Benefit (ADB)	Provides temporary financial assistance to both EI and non-EI eligible apprentices while attending full-time classes at an approved Training Delivery Agent. ADB may include financial assistance for basic living expenses and personal supports. To be eligible you must attend class on a full-time basis and have a registered training agreement.	
PROV	Support for apprentices with disabilities	This support is offered through a training delivery agent and can be accessed through the following programs: apprenticeships, pre- apprenticeships, Ontario Youth Apprenticeship Program.	
	Apprenticeship Completion Bonus in non-Red Seal Trades	A one-time taxable cash grant of \$2,000 to apprentices who complete the highest level of certification in any Ontario non-Red Seal trade. To qualify, you must have your Certificate of Qualification in a trade that either does not have an exam or has only a provincial (non-Red Seal) exam. You also must have been issued a Certificate of Apprenticeship or Certificate of Qualification no more than 180 days prior to the date you are applying.	

Apprenticeship EMPLOYER INCENTIVES

INCENTIVE DETAILS	ELIGIBILITY NOTES
ACHIEVEMENT INCENTIVE Milestone - Registration	 \$1000 if apprentice is a youth (first sponsor only) \$1000 if apprentice is under-represented or from an equity deserving group Apprentice must be registered for at least 45 days
ACHIEVEMENT INCENTIVE Milestone - Level 1 In-Class Apprenticeship Training	 \$1000 \$1000 if apprentice is a youth \$1000 if apprentice is under-represented or from an equity deserving group Apprentice must be registered for at least 12 months
ACHIEVEMENT INCENTIVE Milestone - Level 2 In-Class Apprenticeship Training	 \$1000 \$1000 if apprentice is a youth \$1000 if apprentice is under-represented or from a equity deserving group Apprentice must be registered for at least 18 months
ACHIEVEMENT INCENTIVE Milestone - Level 3 In-Class Apprenticeship Training	 \$1000 \$1000 if apprentice is a youth \$1000 if apprentice is under-represented or from a equity deserving group Apprentice must be registered for at least 24 months
ACHIEVEMENT INCENTIVE Milestone - Highest Attainable Trade Certification (CofA or where applicable CofQ)	 \$1000 \$1000 if apprentice is a youth \$1000 if apprentice is under-represented or from a equity deserving group Apprentice must be registered for at least 18 months
APPRENTICESHIP JOB CREATION TAX CREDIT	 Up to 10% of apprentice salary (maximum of \$2000) in first two years of apprenticeship Red seal trades
Apprenticeship Service Through various organizations approved by the Government of Canada (E.g. Career Launcher - <u>www.careerlauncher.ca/</u> <u>apprenticeships/</u>)	 39 Red Seal construction and manufacturing trades Hire up to 2 new apprentices Get a maximum of \$20,000 for hiring new apprentices Small and Medium sized companies



THE **mission**

Support Ontario's economic success as the central authority responsible for leading-edge standards in the skilled trades to meet the opportunities of today and the challenges of tomorrow.

Skilled Trades Ontario

Skilled Trades Ontario (STO) replaced the Ontario College of Trades on January 1, 2022. STO is an agency of the Ministry of Labour, Immigration, Training and Skills Development (MLITSD).

Responsibilities:

- Establish apprenticeship programs, including training standards, curriculum standards, and certification exams
- Assess experience and qualifications of individuals who have not completed an apprenticeship program in Ontario
- Issue Certificates of Qualification in all trades with certifying exams
- Renewing certificates of Qualification in compulsory trades
- · Maintain a public register of people authorized to work in compulsory trades
- · Conduct research in relation to apprenticeship and the trades
- Oversee trades legislation and regulation
- · Approve training delivery agents to delivery in class training
- Implement compliance and enforcement through the Occupational Health and Safety Inspectorate

Skilled Trades Ontario Portal

Every apprentice and employer (sponsor) will be required to create an account in the STO Portal. Apprentices will be able to manage some of their apprenticeship through their account and sponsors will be able to view and manage their apprentices.

FOR MORE INFORMATION

For details on the portal and how to register an account, visit; https://www.skilledtradesontario.ca/skilled-trades-ontario-portal/

TERMS AND DEFINITIONS

apprenticeship TERMS & DEFINITIONS

There are various terms and acronyms that are used in the apprenticeship pathway. The most common ones are listed below.



Apprentice	An apprentice is a trainee who has been registered with the MLITSD to learn a skilled trade by working directly with a certified journeyperson in the trade.
Apprenticeship	An apprenticeship is an agreement between a trainee, the MLITSD and an employer to combine on-the-job training and classroom learning that leads to a skilled trade credential. 90% of the learning takes place at your workplace and 10% takes place in the classroom.
Apprenticeship Training Standard	This log book identifies all of the skills associated with your trade in Ontario. It is written in statements that you, the apprentice, must perform each skill in order to be considered competent in that skill.
	It is designed to record an Apprentice's acquired skills and hours worked for the trade in which they are registered. This should be reviewed regularly by the Apprentice and employer to ensure it is kept up to date.
Certificate of Apprenticeship	This document shows that an apprentice has successfully completed their apprenticeship.
Certificate of Qualification	This document is obtained when a written exam is completed and passed with a mark of at least 70%. It identifies a journeyperson.
Competencies	Competencies are individual skills that must be mastered in all apprenticeships. These competencies make up the Training Standard Log Book.
Compulsory Trades	There are 23 compulsory trades in Ontario. These trades can only be worked in by apprentices or licensed journeypersons. Apprentices and journeypersons can be searched on the Public Registry (exception: OYAP students).
Curriculum Training Standards	This curriculum contains the standard of theoretical knowledge and practical application that is required by an apprentice to complement their on-the-job training. Each level of apprenticeship training has its own curriculum as it relates to the apprenticeship training standard.
Employment & Training Consultant (ETC)	The ETC is employed by the Ministry of Labour, Immigration, Training and Skills Development. They lead the regional operational delivery of programs and services in the employment and training space including workforce development, apprenticeship, employment, training and responding to local changes in the labour market.
In-School- Training	Every trade has a specific number of hours required for in-school training. This training occurs with a training delivery agent and can take place in various formats: Block Release (full time for a set number of weeks) Day Release (one day per week from September to June) Part Time (night-school program) Alternative Delivery (online, correspondence, etc.)

TERMS AND DEFINITIONS

apprenticeship TERMS & DEFINITIONS



Journeyperson	A skilled professional who has completed an apprenticeship program by demonstrating competency in specific skills and has completed the Certificate of Qualification or deemed to be equivalent.
Ministry of Labour, Immigration, Training and Skills Development (MLITSD)	The MLITSD is the ministry that manages skilled trades and apprenticeships in Ontario.
Non- Compulsory Trades	There are 121 non-compulsory trades. Non-compulsory trades do not require a license or certification to work in that trade. This means that anyone can work in a non-compulsory trade without completing an apprenticeship or passing a certification exam. Some non-compulsory trades may still require training or certification to work in certain settings or on certain projects.
Ontario Youth Apprenticeship Program (OYAP)	The Ontario Youth Apprenticeship Program is a school to work opportunity that allows students in grades 11 and 12 to explore and work in apprentice occupations through cooperative education. Students have an opportunity to become registered apprentices and work towards becoming certified journeypersons in a skilled trade while completing their secondary school diploma.
Provisional Certificate of Qualification	Once you have completed your apprentice in a trade that has a qualifying exam, your next step is to obtain a Certificate of Qualification. A Provisional Certificate of Qualification is issued immediately after completing your apprenticeship and the apprentice has 12 months to pass the certifying exam.
Public Register	This public portal lists all skilled trades professionals and apprentices who can legally work in a compulsory trade. The exemption to this is students who are participating in OYAP.
Red Seal Program	It is the recognized interprovincial standard of excellence in the skilled trades which certifies workers to be employed across Canada. More than 50 trades offer an Interprovincial Red Seal.

TERMS AND DEFINITIONS



apprenticeship TERMS & DEFINITIONS

Registered Training Agreement (RTA)	Registered Training Agreement is a document that is governed and approved by the MLITSD and is what you sign before the apprenticeship begins. This is the agreement under which the sponsor agrees to train and mentor the apprentice and the apprentice agrees to all of the training.
Sector	There are four sectors or areas in the apprenticeship system: Construction, Industrial, Motive Power and Service.
Sponsor	Any employer, association, committee, or organization that operates a Registered Apprenticeship Program. This entity assumes the full responsibility for administration and operation of the apprenticeship program. Sponsors can be a single business or a consortium of businesses.
Skilled Trade	A trade for which apprenticeship training and certification is available.
Skilled Trades Ontario (STO)	 STO is a crown agency that is responsible for skilled trades certification in Ontario, including: establishing apprenticeship programs (including training standards, curriculum standards and certifying exams) assessing experience and qualifications of individuals who have not completed an apprenticeship program in Ontario issuing Certificates of Qualification renewing Certificates of Qualification maintaining the Public Register conducting research in relation to apprenticeship and the trades
Trade Designations	Trades are categorized as either compulsory or non-compulsory under the Building Opportunities in the Skilled Trades Act, 2021 (BOSTA).
Training Delivery Agent (TDA)	Institutions, agencies or organizations who are approved by the Ministry of Labour, Immigration, Training and Skills Development to deliver in-school training for the apprenticeship program.

Training, Education, Experience and Responsibility (TEER) Assessment

A new National Occupation Classification (NOC 2021 – 5 digit) was incorporated into the 2021 Census. NOC 2021 is quite different than the previous version (NOC 2016 – 4 digit). The defining feature of the new NOC (2021) is that it incorporates a Training, Education, Experience and Responsibility (TEER) component into the classification.

Each TEER category shows that there are different ways to gain the skills necessary to work in a specific occupation (educational attainment is not the only factor). For example, TEER 4 occupations require completion of secondary school or several weeks of on- the-job training with some secondary school education, or experience in a related occupation from TEER 5. The most detailed occupation is at the 5-digit level, where the second digit refers to the TEER level of an occupation. To search NOC codes, please visit: <u>https://noc.esdc.gc.ca/</u>

The NOC 2021 V1.0 Training, Education, Experience and Responsibility (TEER)	When the second digit is
Management - TEER	0
Completion of a university degree (bachelor's, master's or doctorate); or Previous experience and expertise in subject matter knowledge from a related occupation found in TEER 2 (when applicable).	1
Completion of a post-secondary education program of two to three years at community college, institute of technology or CÉGEP; or Completion of an apprenticeship training program of two to five years; or Occupations with supervisory or significant safety (e.g. police officers and firefighters) responsibilities; or Several years of experience in a related occupation from TEER 3 (when applicable).	2
Completion of a post-secondary education program of less than two years at community college, institute of technology or CÉGEP; or Completion of an apprenticeship training program of less than two years; or More than six months of on-the-job training, training courses or specific work experience with some secondary school education; or Several years of experience in a related occupation from TEER 4 (when applicable).	3
Completion of secondary school; or Several weeks of on-the-job training with some secondary school education; or Experience in a related occupation from TEER 5 (when applicable).	4
Short work demonstration and no formal educational requirements.	5

EXPLORING THE TRADES

Skilled Trades CONSTRUCTION

Architectural Glass and Metal Technician	26
Brick and Stone Mason	27
Cement (Concrete) Finisher	28
Concrete Pump Operator	29
Construction Boilermaker	30
Construction Craft Worker	31
Construction Millwright	32
Drywall Finisher and Plasterer	33
Drywall, Acoustic and Lathing Applicator	34
Electrician – Construction and Maintenance	35
Electrician – Domestic and Rural	36
Exterior Insulated Finish Systems Mechanic	37
Floor Covering Installer	38
General Carpenter	39
Hazardous Materials Worker	40
Heat and Frost Insulator	41
Heavy Equipment Operator – Dozer	42
Heavy Equipment Operator – Excavator	43
Heavy Equipment Operator – Tractor Loader Backhoe	44
Hoisting Engineer – Mobile Crane Operator 1	45
Hoisting Engineer – Mobile Crane Operator 2	46
Hoisting Engineer – Tower Crane Operator	47
Ironworker – Structural and Ornamental	48
Plumber	49
Powerline Technician	50
Refrigeration and Air Conditioning Systems Mechanic	51
Reinforcing Rodworker	52
Residential (Low Rise) Sheet Metal Installer	53
Residential Air Conditioning Systems Mechanic	54
Roofer	55
Sheet Metal Worker	56
Sprinkler and Fire Protection Installer	57
Steamfitter	58
Terrazzo, Tile and Marble Setter	59





INDUSTRIAL

Bearings Mechanic	60
Cabinetmaker	61
Computer Numerical Control (CNC) Programmer	62
Die Designer	63
Draftsperson – Mechanical	64
Draftsperson – Plastic Mould Design	65
Draftsperson Tool and Die Design	66
Electric Motor System Technician	67
Elevating Devices Mechanic	68
Entertainment Industry Power Technician	69
Facilities Mechanic	70
Facilities Technician	71
General Machinist	72
Hydraulic/Pneumatic Mechanic	73
Industrial Electrician	74
Industrial Mechanic Millwright	75
Instrumentation and Control Technician	76
Locksmith	77
Machine Tool Builder and Integrator	78
Metal Fabricator (Fitter)	79
Mould Maker	80
Mould or Die Finisher	81
Packaging Machine Mechanic	82
Painter and Decorator – Industrial	83
Pattern Maker	84
Pressure Systems Welder	85
Process Operator – Food Manufacturing	86
Process Operator – Power	87
Process Operator – Refinery, Chemical	
and Liquid Processes	88
Process Operator – Wood Products	89
Relay and Instrumentation Technician	90
Tool and Die Maker	91
Tool/Tooling Maker	92
Tractor-Trailer Commercial Driver	93
Welder	94

Skilled Trades

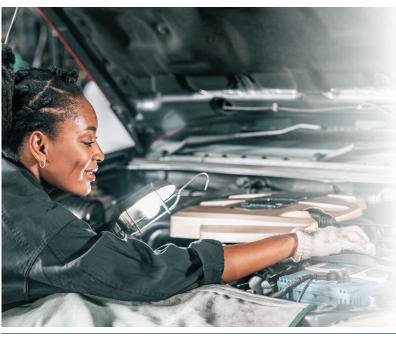
MOTIVE POWER

Agricultural Equipment Technician	95
Alignment and Brakes Technician	96
Auto Body and Collision Damage Repairer	97
Auto Body Repairer	98
Automotive Painter	99
Automotive Service Technician	100
Heavy Duty Equipment Technician	101
Marine Engine Technician	102
Motorcycle Technician	103
Powered Lift Truck Technician	104
Recreation Vehicle Technician	105
Small Engine Technician	106
Transmission Technician	107
Truck and Coach Technician	108
Truck-Trailer Service Technician	109
Turf Equipment Technician	110



SERVICE

Aboriginal Child Development Practitioner	111
Agricultural – Dairy Herdsperson	112
Agricultural – Fruit Grower	113
Agricultural – Swine Herdsperson	114
Appliance Service Technician	115
Arborist	116
Assistant Cook	117
Baker	118
Baker-Patissier	119
Chef	120
Child and Youth Worker	121
Child Development Practitioner	122
Cook	123
Developmental Services Worker	124
Educational Assistant	125
Hairstylist	126
Horse Groom	127
Horticultural Technician	128
Information Technology – Hardware Technician	129
Information Technology – Network Technician	130
Institutional Cook	131
Network Cabling Specialist	132
Painter and Decorator – Commercial and Residential	133
Parts Technician	134
Utility Arborist	135



EXPLORING THE TRADES

Skilled Trades

OTHER TRADES

CONSTRUCTION

- 420B Ironworker Generalist
- 296A Native Residential Construction Worker
- 244K Precast Concrete Erector
- 244L Precast Concrete Finisher
- 401R Refractory Mason
- 244H Restoration Mason

INDUSTRIAL

- 600P Blacksmith
- 289F Electrician (Signal Maintenance)
- 207S Light Rail Overhead Contact Systems Linesperson
- 225A Optics Technician (Lens and Prism Maker)
- 268R Railway Car Technician
- 611B Saw Filer/Fitter
- 278B Surface Blaster
- 630B Surface Mount Assembler
- 225F Thin Film Technician
- 602C Tool and Cutter Grinder
- 239B Tool and Gauge Inspector
- 605B Water Well Driller
- 670E Mould Designer

MOTIVE POWER

- 310K Automotive Electronic Accessory Technician
- 274L Automotive Glass Technician
- 310C Fuel and Electrical Systems Technician
- 410K Motive Power Machinist

SERVICE

- 416E Electronic Service Technician
- 606G Gemsetter/Goldsmith
- 219D Horse Harness Maker
- 634E Information Technology Contact Centre Customer Service Agent
- 634D Information Technology Contact Centre Sales Agent
- 634A Information Technology Contact Centre Technical Support Agent
- 630A Micro Electronics Manufacturer
- 296B Native Clothing and Crafts Artisan
- 245R Retail Meat Cutter
- 219C Saddlery
- 297B Special Events Coordinator







Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	424A	73111	CANADA

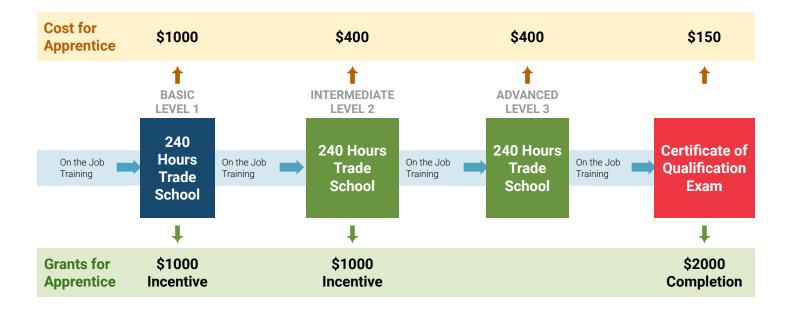
Architectural Glass and Metal Technician

WHAT THEY DO:

An Architectural Glass and Metal Technician handles, measures, cuts, prepares, fits, installs, replaces, and repairs all types of glass and glass substitutes, typically in commercial, residential, and transportation settings. An Architectural Glass and Metal Technician fabricates and installs curtain wall framing, aluminium storefront frames and entrances, doors and hardware, structural silicone glazing, skylights, and sloped glazing. Specifically, an Architectural Glass and Metal Technician:

- Lays out, measures, prepares, fabricates, and installs/replaces architectural glass and metal components and air/vapour barriers in systems such as entranceways, windows, skylights, and curtain walls
- Works with and installs plastics, granite, aluminum panels, and other similar materials used as glass substitutes, as well as films or laminates that improve the durability or safety of the glass
- Works from mobile equipment, scaffolds, and swing stages, sometimes at great heights, to manoeuvre glass panels that are lifted by cranes and other lifting equipment

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	7,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	8,000 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	401A	72320	GANADA
	Brick a	nd Stone	Mason	
		WHAT THEY DO:		
 Works with 	cks, and other structures n materials such as brick, na ncrete blocks, light-weight ir			
APPREN	FICESHIP DETAILS	IN-	SCHOOL TRAINING DE	ETAILS
Total Hours	4,880	Depending on	SCHOOL TRAINING DE TDA, in-school training day release, part-time	g may be available in
Total Hours On The Job Total Hours		 Depending on block release, through an alt Grants may be 	TDA, in-school training day release, part-time ernative delivery (onlin e available for complet	g may be available in (night school) or ie, etc.)
Fotal Hours On The Job Fotal Hours n-Class Training	4,880	 Depending on block release, through an alt Grants may be and apprentic 	TDA, in-school training day release, part-time ernative delivery (onlin e available for complet eship completion nay be eligible to acces	g may be available in (night school) or ie, etc.) ion of in-school trainin
Total Hours On The Job Total Hours In-Class Training Duration	4,880 720 5,600 Total Hours	 Depending on block release, through an alt Grants may be and apprentic Apprentices n 	TDA, in-school training day release, part-time ernative delivery (onlin e available for complet eship completion nay be eligible to acces	g may be available in (night school) or ie, etc.) ion of in-school training
Total Hours On The Job Total Hours In-Class Training Duration	4,880 720 5,600 Total Hours Approximately 3 years	 Depending on block release, through an alt Grants may be and apprentic Apprentices n 	TDA, in-school training day release, part-time ernative delivery (onlin e available for complet eship completion nay be eligible to acces	g may be available in (night school) or ie, etc.) ion of in-school trainin
Total Hours On The Job Total Hours In-Class Training Duration	4,880 720 5,600 Total Hours Approximately 3 years	 Depending on block release, through an alt Grants may be and apprentic Apprentices n 	TDA, in-school training day release, part-time ernative delivery (onlin e available for complet eship completion nay be eligible to acces	g may be available in (night school) or ie, etc.) ion of in-school trainin
Total Hours On The Job Total Hours In-Class Training Duration Pre-requisite Cost for	4,880 720 5,600 Total Hours Approximately 3 years Grade 10 \$1000	 Depending on block release, through an alt Grants may be and apprentic Apprentices n insurance (EI) 	TDA, in-school training day release, part-time ernative delivery (onlin e available for complet eship completion nay be eligible to acces	g may be available in (night school) or ie, etc.) ion of in-school trainin as employment



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	244G	73100	CANADA

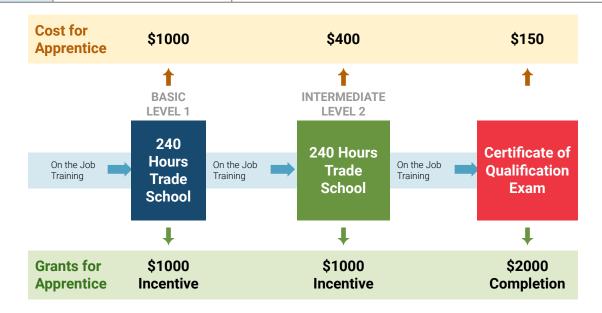
Cement (Concrete) Finisher

WHAT THEY DO:

A Cement (Concrete) Finisher installs concrete structures including interior floors and exterior pavements using a variety of methods of construction to produce a variety of finishes, colours, and textures in all types of residential, institutional, commercial, and industrial buildings. Specifically, a Cement (Concrete) Finisher:

- Prepares, forms, reinforces, places, levels, finishes, cures, and joints all types of concrete flatwork
- Operates a variety of powered equipment including ride-on finishing machines and laser guided screeds
- Specializes in the application of all horizontal concrete surface finishes ranging from traditional trowel finishes to exposed aggregate, imprinted, pigmented, stained and dyed, and polished concrete using a wide range of specialty liquid and cementitious materials systems
- Repairs and restores existing concrete surfaces and structures

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS	
Total Hours On The Job	4,500	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or 	
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion 	
Duration	4,980 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employment insurance (EI) 	
Pre-requisite	Grade 12		



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	637C	75110	N/A

Concrete Pump Operator

WHAT THEY DO:

A Concrete Pump Operator inspects, prepares, operates, controls, and cleans various concrete pumps including those found in vehicles and their various related attachments/ components. Concrete pumps may be truck mounted, stationary, or trailer-mounted as well as tower concrete placing booms. Specifically, a Concrete Pump Operator:

- Co-ordinates the placement of concrete through a pump at the work site
- Operates the vehicle and loads and unloads concrete pumps and attachments
- Sets up the concrete pumps and components and concrete delivery system, operates high pressure pumps and separate placing booms
- Performs pre-operational inspections, safety and operational checks, and preventative maintenance
- Operates concrete pumps and related components
- Monitors equipment performance and the movement of the concrete to the pour location
- Resolves issues related to the movement of pumpable concrete
- Maintains the equipment, cleans concrete pumps and components
- Reads and interprets government legislation, site plans, and manufacturers' manuals (i.e., survey indicators)
- Communicates through various techniques including hand signals

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2,000	• The Schedule of Training can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	159	
Duration	2,159 Total Hours Approximately 1.5 years	
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	428A	72103	CANADA

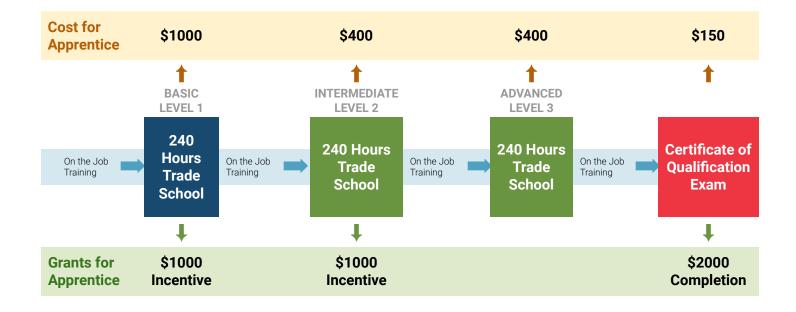
Construction Boilermaker

WHAT THEY DO:

A Construction Boilermaker builds, installs, erects, tests, maintains, and repairs all types of boilers, tanks, and pressure vessels, and performs all types of structural and plate work on dust, air, gas, steam, oil, water, and other liquid-tight pressure vessels. Specifically, a Construction Boilermaker:

- Works from fabrication drawings (prints) to fabricate components from steel or other materials
- Uses various metal forming machines such as rotary shears, punch presses, and bending rolls
- Tests boiler systems for leaks, defects, and other deficiencies to ensure they are operating safely and efficiently
- Attaches rigging and works with hoisting devices to lift components into place

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,880	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6,600 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	450A	75110	CANADA

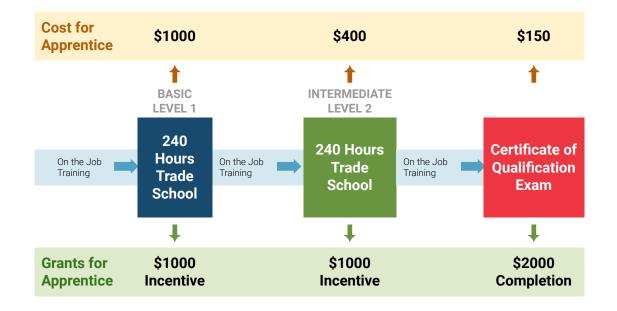
Construction Craft Worker

WHAT THEY DO:

A Construction Craft Worker works on a wide variety of structures, such as residential, industrial, commercial, and institutional sites as well as hydroelectric dams, roadways, bridges, tunnels, mining, and railways. They may also work on utility, landscape, and pipeline projects. Specifically, a Construction Craft Worker:

- Is responsible for site preparation and cleanup, setting up, and removing access equipment and working on concrete, masonry, steel, wood, and pre-cast erecting projects
- Handles materials and equipment and perform demolition, excavation, and compaction activities
- Is responsible for site security
- May specialize in operating off-road vehicles, drilling and blasting, scaling, sandblasting, high pressure washing, diving, tunnelling, and performing emergency rescue

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2,400	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	2,880 Total Hours Approximately 1.5 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	426A	72400	N/A

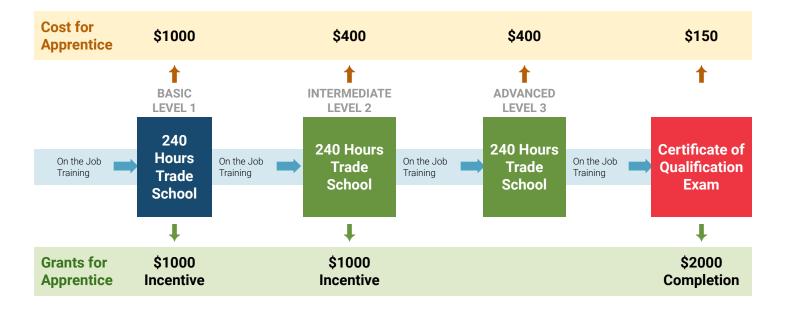
Construction Millwright

WHAT THEY DO:

A Construction Millwright lays out, receives, and installs machinery, mechanical equipment, and other automated and robotic systems. They work in the construction, commercial, manufacturing, and industrial industries; they often work in close association with people in other trades, such as instrument mechanics, ironworkers, pipefitters, and electricians. Specifically, a Construction Millwright:

- Interprets drawings and performs mathematical calculations
- Uses hand and power tools
- Operates forklifts, booms, low capacity cranes, and other equipment
- Selects and uses materials and fasteners
- Welds, brazes, solders, rigs, and hoists
- Installs material handling systems
- Installs and commissions machinery and automated robotic systems
- Installs bearings, seals and packing, pipe systems and valves, fans and blowers, electric and electronic controls, pneumatic and hydraulic systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	7,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	8,000 Total Hours Approximately 4.5 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	453A	73102	GANADA

Drywall Finisher and Plasterer

WHAT THEY DO:

A Drywall Finisher & Plasterer tapes and finishes wallboard (drywall), applies, maintains, and restores plaster and similar materials on interior and exterior walls, ceilings, and building partitions to make them more decorative, soundproof, and fire-rated. A Drywall Finisher and Plasterer also textures concrete, applies coats of plaster to foundation materials, and installs, repairs, and restores mouldings and ornaments. Specifically, a Drywall Finisher and Plasterer:

- Tapes and finish wallboard (drywall)
- Applies tape to fire rate and gas proof walls
- Installs beads to protect corners
- Fills joints and imperfections
- Mixes and applies compound and sands to create a smooth surface
- Textures concrete, prepared walls, and ceilings
- Applies coats of plaster to foundation materials
- Wires mesh and installs ornaments

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4,920	• The Schedule of Training can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	480	
Duration	5,400 Total Hours Approximately 3 years	
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	451A	73102	GANADA

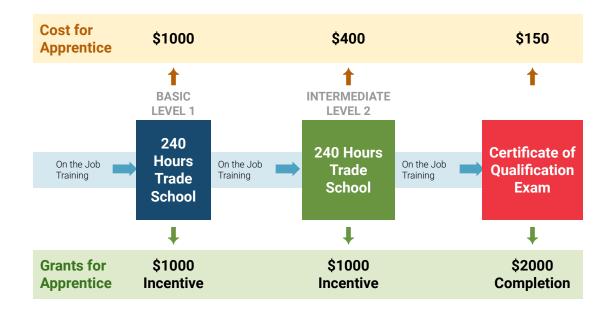
Drywall, Acoustic and Lathing Applicator

WHAT THEY DO:

A Drywall, Acoustic & Lathing Applicator erects exterior structural steel studs and sheathing, shaft wall systems, installs, and finishes lath and drywall, partition walls and furring, ceiling systems, and access flooring types, as well as applies thermal and sound insulation. Specifically, a Drywall, Acoustic and Lathing Applicator:

- Reads, interprets, and applies blueprints and specifications for job layout
- Erects exterior structural steels studs and sheathing
- Erects light gauge residential steel studs, sheathing, and demountable partitions
- Applies thermal insulation, sound insulation, and fire stopping
- Installs partition walls and furring and shaft wall systems
- Installs lath, drywall, moulded and cast forms, and ceiling systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4,800	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	600	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	5,400 Total Hours Approximately 3 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	309A	72200	CANADA

Electrician - Construction and Maintenance

WHAT THEY DO:

An Electrician – Construction & Maintenance plans, assembles, connects, installs, repairs, inspects, tests, verifies, and maintains electrical systems in various settings (i.e., residential, commercial, institutional, industrial). Electrical systems include heating, lighting, power, communication, control, security systems, and renewable energy and energy storage systems.

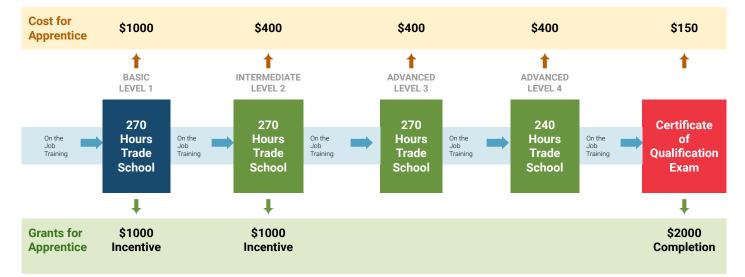
An Electrician – Construction and Maintenance also measures, cuts, threads, bends, assembles and installs conduits, electrical conductor enclosures, and supports. Specifically, an Electrician – Construction & Maintenance:

- Lays out, assembles, installs, repairs, maintains, connects, and/or tests electrical systems
- Plans installations from blueprints, sketches and specifications, and installs all electrical and electronic devices
- Systematically diagnoses faults in electrical and electronic components, as required
- Measures, cuts, threads, bends, assembles, and installs conduits and other electrical conductor raceways
- Splices and terminates electrical conductors
- Tests electrical and electronic equipment to ensure that they are functioning properly

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS	
Total Hours On The Job	8,160	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or 	
Total Hours In-Class Training	1,050	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion 	
Duration	9,000 Total Hours Approximately 5 years	 Apprentices may be eligible to access employment insurance (El) 	
Pre-requisite	Grade 10		

Starting September 1, 2024, this trade will have new curriculum as well as more hours and another level of in-school training.

The flowchart below represents the new curriculum. Any person starting their apprenticeship after September 1 will participate in the new curriculum.



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	309C	72200	N/A

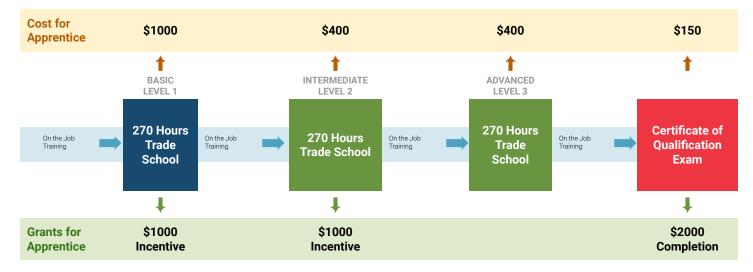
Electrician - Domestic and Rural

WHAT THEY DO:

An Electrician — Domestic & Rural plans/layouts, assembles, connects, installs, repairs, inspects, tests, verifies, maintains, and commissions electrical systems specifically in houses, small dwellings, and/or farms. An Electrician – Domestic & Rural also measures, cuts, threads, bends, assembles, and installs conduits, electrical conductor enclosures, and supports. Electrical systems may include heating, lighting, power digital, communication, control, and security systems. Specifically, an Electrician — Domestic and Rural:

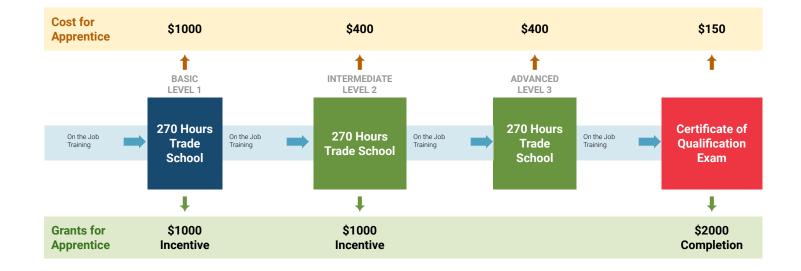
- Lays out, assembles, installs, repairs, maintains, connects, and/or tests electrical systems
- Plans installations from blueprints, sketches/specifications, and installs all electrical and electronic devices
- Systematically diagnoses faults in electrical and electronic components
- Measures, cuts, threads, bends, assembles, and installs conduits and other electrical conductor enclosures
- Splices and terminates electrical conductors
- Tests electrical and electronic equipment to ensure they are functioning properly

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	8,160	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	810	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	7,200 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Starting September 1, 2024, this trade will have new curriculum as well as more hours and another level of in-school training. The flowchart below represents the new curriculum. Any person starting their apprenticeship after September 1, 2024 will participate in the new curriculum.

Sector	Type of Trade	Trade Code	NOC Code	Red Seal	
Construction	Non-Compulsory 455A 72321 N/A				
Exterior Insulated Finish Systems Mechanic					
		WHAT THEY DO:			
 with a continuous Preparing s Selecting a Selecting a Installing ri Preparing ri Applying re 	Selecting and applying barriers				
APPRENT	TICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS	
Total Hours On The Job Total Hours In-Class Training		Skilled Trades	of Training for this trac Ontario website. am for this trade.	de can be found on the	
Duration					



Pre-requisite

Grade 12

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	448A	73113	CANADA

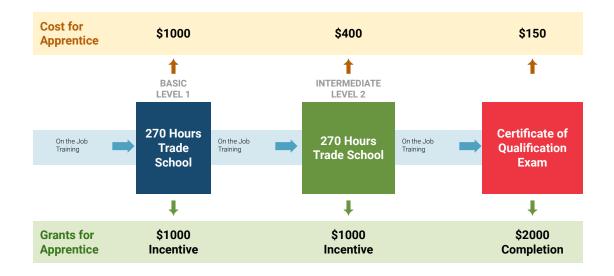
Floor Covering Installer

WHAT THEY DO:

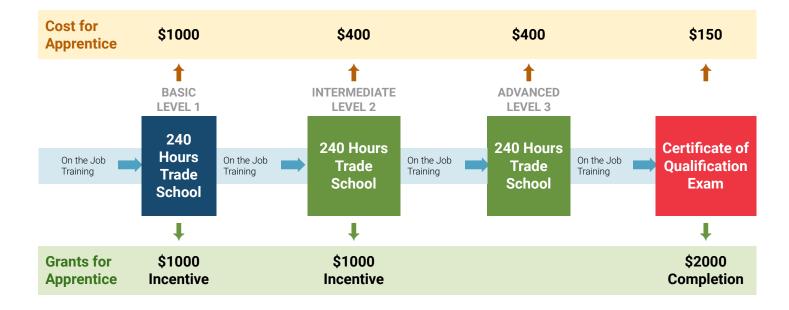
A Floor Covering Installer installs, replaces, and repairs a variety of floor coverings in residential, industrial, commercial, and institutional settings, using under cushion, carpeting, vinyl, resilient tile, sheet flooring, pre-finished, unfinished, engineered wood, laminate, seasonal carpeting, and artificial turf. Specifically, a Floor Covering Installer:

- Prepares floors by removing existing trim, flooring, and underlayments
- Installs and repairs resilient tile, resilient sheet goods, glue down carpets, carpet tile, carpet and cushion, wood floors, and engineered and laminate floor
- Verifies drawings, written specifications, and choice of materials
- Marks for tile and pattern lay-out
- Seams and seals sheet goods
- Applies adhesives

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,400	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	600	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6000 Hours Approximately 3.5 Years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Construction	Non-Compulsory	403A	72310	CANADA		
	General Carpenter					
		WHAT THEY DO:				
 materials in the residential, commercial, and industrial construction sectors and in related industries. Specifically, a General Carpenter: Establishes building procedures and prepares work sites Lays out, constructs, and installs formwork and concrete foundations Frames floors, walls, ceilings, and roofs Finishes interiors and exteriors Constructs heavy framing Builds stairs, posts, and handrails Lays out, constructs, and installs door and window systems Performs renovations 						
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS		
Total Hours On The Job	6,480	 Depending on TDA, in-school training may be availa block release, day release, part-time (night school) of 		, ,		
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school t and apprenticeship completion Apprentices may be eligible to access employment insurance (El) 				
Duration	7,200 Hours Approximately 4 Years					
Pre-requisite	Grade 12					



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	253H	75110	N/A

Hazardous Materials Worker

WHAT THEY DO:

A Hazardous Materials Worker identifies, removes, packages, transports, and disposes of hazardous materials such as asbestos, mould, lead, mercury, and other biological hazards. Specifically, a Hazardous Materials Worker:

- Mobilizes site enclosures
- Pre-cleans work areas
- Builds work area enclosures
- Sets up decontamination chambers and waste chutes
- Removes and cleans hazardous material
- Dismantles work area enclosures and decontamination chambers
- Performs post tear-down clean
- De-mobilizes site enclosures
- Performs routine inspections

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2,898	• The Schedule of Training for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	102	
Duration	3,000 Hours Approximately 1.5 Years	
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	253A	72321	CANADA

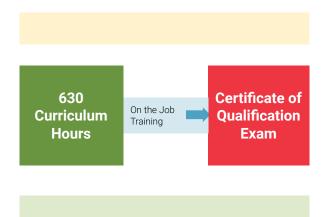
Heat and Frost Insulator

WHAT THEY DO:

A Heat & Frost Insulator works with insulating material to prevent or reduce the passage of heat, cold, vapour, moisture, sound, or fire. A Heat and Frost Insulator installs, repairs, and maintains insulating materials used on systems and equipment as well as walls, floors, and ceilings of buildings and may also lay out and fabricate parts on-site, remove, or seal-off old insulation. Specifically, a Heat and Frost Insulator:

- Reads and interprets drawings and specifications to determine insulation requirements
- Selects the amount and type of insulation to be installed
- Measures and cuts insulating material to the required dimensions
- Applies, installs, repairs, and maintains insulating material
- Installs fire-stopping insulation
- Applies metal and plastic finishes

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,770	• The Schedule of Training for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	630	
Duration	6,400 Total Hours Approximately 3.5 years	
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	636C	73400	CANADA

Heavy Equipment Operator - Dozer

WHAT THEY DO:

A Heavy Equipment Operator — Dozer operates a dozer, its attachments and ground engaging equipment in various types of projects across multiple industries such as road construction and maintenance, mining, quarrying, land clearing, forestry, logging, as well as gas and oil. The dozer operator inspects, maintains, transports, and operates this equipment and attachments. Specifically, a Heavy Equipment Operator — Dozer:

- Performs pre-operational inspections, safety and operational checks, and preventative maintenance
- Monitors equipment performance, loads and unloads, and transports, cleans, oils and refills equipment
- Reads and interprets government legislation, site plans, and manufacturers' manuals (i.e., survey indicators)
- Installs, operates, and removes attachments (i.e., quick attach, blades, buckets, rippers, towable scrapers, and winches)
- Performs operations such as excavating, grading, ramp building, stockpiling, backfilling, and towing ensuring maximum productivity
- Checks grades, performs cut and fill operations, maintains winter roads, moving mass materials, stripping surface materials, create slopes and ditches, spreads materials, pushes scrapers, backfills trenches and excavations, maintains dumpsite area, levels surfaces, and clears land
- Communicates through various techniques including hand signals

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2,260	• New curriculum was released in 2023. You can find details on the Skilled Trades Ontario website.
Total Hours In-Class Training	300	This trade has an exam.
Duration	2,560 Total Hours Approximately 1.5 years	
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	636B	73400	CANADA

Heavy Equipment Operator - Excavator

WHAT THEY DO:

A Heavy Equipment Operator — Excavator operates an excavator, its attachments and ground engaging equipment in various types of projects across multiple industries, such as road construction and maintenance, mining, quarrying, land clearing, forestry, logging, as well as gas and oil. A Heavy Equipment Operator - Excavator inspects, maintains, transports and operates this equipment and its attachments. Specifically, a Heavy Equipment Operator — Excavator:

- Performs pre-operational inspections, safety and operational checks, and preventative maintenance
- Monitors equipment performance
- Loads and unloads, transports, cleans, oils, and refills equipment
- Reads and interprets government legislation, site plans and manufacturers' manuals (i.e., survey indicators)
- Installs, operates and removes attachments (i.e., quick attach, buckets, rakes, levels, tillers, cutters, blades, grapples, pushers, vibrators, and breakers)
- Performs operations, such as excavating, grading, ramp building, stockpiling, backfilling, and towing, ensuring maximum productivity
- Checks grades, performs cut and fil operations, backfills trenches and excavations, creates slopes, creates mass excavations, clears land, strips surface materials, stockpiles and places materials, lifts materials, performs logging and surface mining operations, performs demolitions, and bales snow.
- Communicates through various techniques including hand signals

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2,260	 New curriculum was released in 2023. You can find details on the Skilled Trades Ontario website.
Total Hours In-Class Training	300	This trade has an exam.
Duration	2,560 Total Hours Approximately 1.5 years	
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	636A	73400	CANADA

Heavy Equipment Operator - Tractor Loader Backhoe

WHAT THEY DO:

A Heavy Equipment Operator — Tractor Loader Backhoe operates a tractor loader backhoe, its attachments and ground engaging equipment in various types of projects across multiple industries, such as road construction and maintenance, mining, quarrying, land clearing, forestry, logging, as well as gas and oil. Specifically, a Heavy Equipment Operator — Tractor Loader Backhoe:

- Inspects, maintains, transports, and operates this equipment and attachments
- Performs pre-operational inspections, safety and operational checks, and preventative maintenance
- Monitors equipment performance, loads and unloads, transports and cleans, oils and refills equipment
- Reads and interprets government legislation, site plans and manufacturers' manuals (i.e., survey indicators)
- Installs, operates, and removes attachments (i.e., quick attach, buckets, bucket thumbs, quick couplers, splitters, grapples, teeth, and adapters)
- Performs operations such as excavating, grading, ramp building, stockpiling, backfilling, and towing ensuring maximum productivity
- Clears ice and snow, checks grades, performs cut and fill operations, backfills trenches and excavations, stockpiles and places materials, excavates trenches and ditches, loads trucks, lifts materials, performs clean-up operations, performs logging and surface mining operations, and performs demolitions
- Communicates through various techniques including hand signals

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2,260	 New curriculum was released in 2023. You can find details on the <u>Skilled Trades Ontario</u> website.
Total Hours In-Class Training	300	This trade has an exam.
Duration	2,560 Total Hours Approximately 1.5 years	
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	339A	72500	CANADA

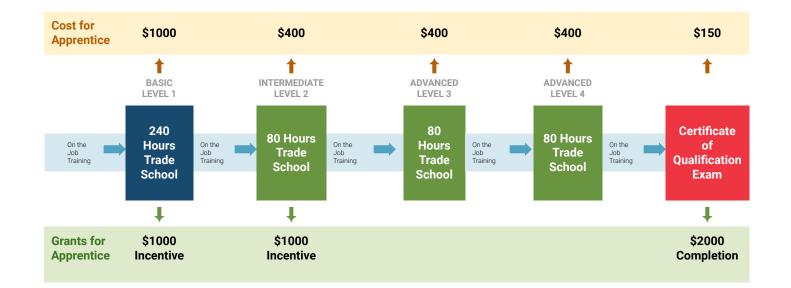
Hoisting Engineer - Mobile Crane Operator 1

WHAT THEY DO:

A Hoisting Engineer — Mobile Crane Operator 1 maintains and operates conventional lattice and telescopic boom mobile cranes that can lift, move, position, and place materials and equipment weighing more than 16,000 pounds, such as concrete, steel, gravel, and other construction supplies and machinery at construction and industrial sites, ports, factories, warehouses, dockyards, or rail yards. Specifically, a Hoisting Engineer — Mobile Crane Operator 1:

- Performs pre-operational inspections
- Prepares and transports cranes
- Assembles and dismantles cranes
- Plans crane 'lifts' including calculating crane capacity and determining load weights
- Sets up, positions, and stabilizes the crane before the 'lift'
- Performs various rigging procedures

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,520	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6,000 Total Hours Approximately 3 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	339C	72500	N/A

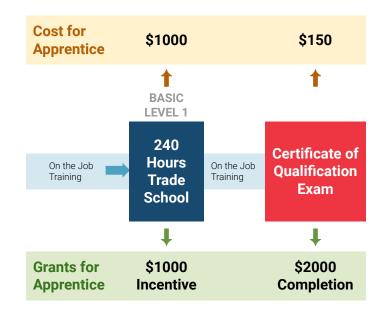
Hoisting Engineer - Mobile Crane Operator 2

WHAT THEY DO:

A Hoisting Engineer — Mobile Crane Operator 2 maintains and operates hydraulically controlled mobile cranes capable of lifting, moving, positioning, and placing materials and equipment weighing more than 16,000 pounds but no more than 30,000 pounds, such as concrete, steel, gravel, and other construction supplies and machinery at construction and industrial sites, ports, factories, warehouses, dockyards, or rail yards. Specifically, a Hoisting Engineer — Mobile Crane Operator 2:

- Performs pre-operational inspections
- Prepares and transports cranes
- Assembles and dismantles cranes
- Plans crane 'lifts' including calculating crane capacity and determining load weights
- Sets up, positions, and stabilizes the crane before the 'lift'
- Performs various rigging procedures
- Performs maintenance on cranes

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	760	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	240	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	1000 Total Hours Approximately 1 year	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	339B	72500	CANADA

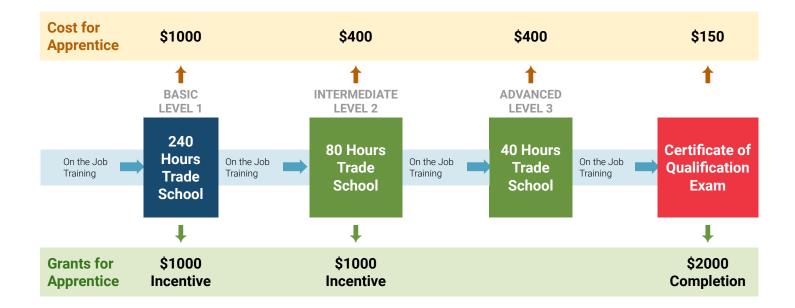
Hoisting Engineer - Tower Crane Operator

WHAT THEY DO:

A Hoisting Engineer — Tower Crane Operator maintains and operates tower cranes to lift, move, position, and place materials and equipment, working in construction, surface mining, shipbuilding, offshore drilling rigs, and railway settings. Specifically, a Hoisting Engineer — Tower Crane Operator:

- Performs pre-operational inspections
- Plans crane 'lifts' including calculating crane capacity and determining load weight
- Performs rigging
- Participates in setting up, dismantling, and jacking cranes
- Performs regular inspections, minor repairs, and maintenance

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2640	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	360	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	3000 Total Hours Approximately 1.5 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	420A	72105	CANADA

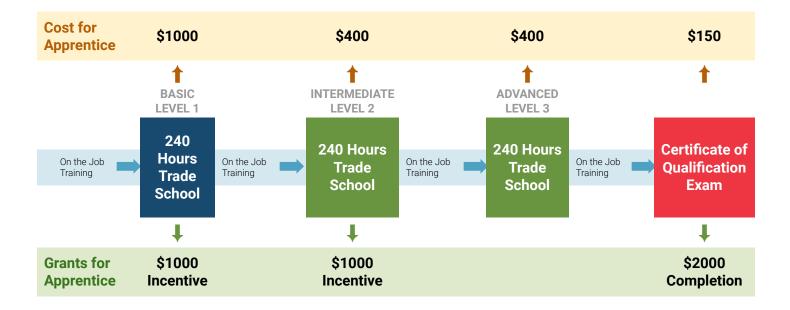
Ironworker - Structural and Ornamental

WHAT THEY DO:

An Ironworker – Structural & Ornamental fabricates and installs both structural and ornamental steel and iron works and components, as well as precast structural concrete members and laminated timber products in all buildings and structures including but not limited to residential, commercial, industrial, institutional buildings, towers, bridges, and stadiums. Specifically, an Ironworker – Structural and Ornamental:

- Fabricates, assembles, installs, erects, alters, repairs, hoists, and dismantles structural ironwork, precast, and pretentioned concrete, as well as all metallic materials in curtain walls, ornamental, and other metal work (including specialty metals)
- Operates and maintains hand and power tools, including welding and cutting equipment
- Assembles and erects cranes, rigs, and hoists; moves and installs components, materials, heavy equipment, and machinery needed to perform ironwork, including installation of all falsework and shoring
- Erects structural members and bridges, and installs and fastens curtain walls and glass systems

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6000 Total Hours Approximately 3.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 10	



Sector	Type of Tra	ade	Trade Code	NOC Code	Red Seal
Construction	Compulso	ory	306A	72300	CANADA
	'	P	lumber		
		W	HAT THEY DO:		
distribution, draina Lays out, a disposal of Connects a Installs the air-handling	age, and waste disp ssembles, installs, f water for any dor any appliance that piping for any pro g system understands desig	posal. Specifica , maintains, and nestic or indust uses water pcess, including	Illy, a Plumber: I repairs piping, fi rial purpose the conveyance	xtures, and other com of gas, or any tubing f	uipment used for water nponents for the supply or for a pneumatic or n diagrams for piping and
APPRENT	ICESHIP DETAILS	;	IN-	SCHOOL TRAINING [DETAILS
Total Hours On The Job	8280		block release,	n TDA, in-school traini day release, part-tim ternative delivery (onl	· - /
Total Hours In-Class Training	720		• Grants may b		etion of in-school training
Duration	9000 Total H Approximately		 Apprentices r insurance (EI) 	nay be eligible to acce	ess employment
Pre-requisite	Grade 10)			
Cost for Apprentice	\$1000	\$40	00	\$400	\$150
On the Job Training	♦ BASIC LEVEL 1 240 Hours Trade School On the Jo Training	b b b b b b b b b b b b c b c b c b c b	ours de On the Job	ADVANCED LEVEL 3 240 Hours Trade School	
Grants for Apprentice	\$1000 Incentive	\$10 Incen			\$2000 Completion

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	434A	72203	CANADA
	Power	line Tech	nician	
		WHAT THEY DO:		
	d maintains overhead and ur	o 1 ,		
 Splices and networks Troublesho Installs, ma Installs, op 	d terminates conductors and oots overhead and undergrou aintains, and removes transf erates, and maintains syster ations systems	l related wiring to conn und power systems ormers and hardware	ect power distribution	
 Splices and networks Troublesho Installs, ma Installs, op communic 	d terminates conductors and bots overhead and undergrou aintains, and removes transf erates, and maintains syster	I related wiring to conn und power systems ormers and hardware n protection, control ar	ect power distribution	uipment, and
 Splices and networks Troublesho Installs, ma Installs, op communic 	d terminates conductors and bots overhead and undergrou aintains, and removes transf erates, and maintains syster ations systems	I related wiring to conn und power systems ormers and hardware m protection, control ar IN-S • Depending on	ect power distribution nd instrumentation equ	uipment, and TAILS g may be available in
 Splices and networks Troublesho Installs, ma Installs, op communic APPRENT Total Hours	d terminates conductors and bots overhead and undergrou aintains, and removes transf erates, and maintains syster ations systems	I related wiring to conn und power systems ormers and hardware m protection, control ar IN-S Depending on block release, through an alt Grants may be	ect power distribution nd instrumentation equ SCHOOL TRAINING DE TDA, in-school training day release, part-time ernative delivery (onlin e available for complet	uipment, and TAILS g may be available in (night school) or
 Splices and networks Troublesho Installs, ma Installs, op communic APPRENT Total Hours On The Job Total Hours	d terminates conductors and bots overhead and undergrou aintains, and removes transf erates, and maintains syster ations systems TICESHIP DETAILS 7680	I related wiring to conn und power systems ormers and hardware m protection, control ar IN-S Depending on block release, through an alto Grants may be and apprentice	ect power distribution nd instrumentation equ SCHOOL TRAINING DE TDA, in-school training day release, part-time ernative delivery (onlin	uipment, and TAILS g may be available in (night school) or e, etc.) ion of in-school training

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	313A	72402	CANADA

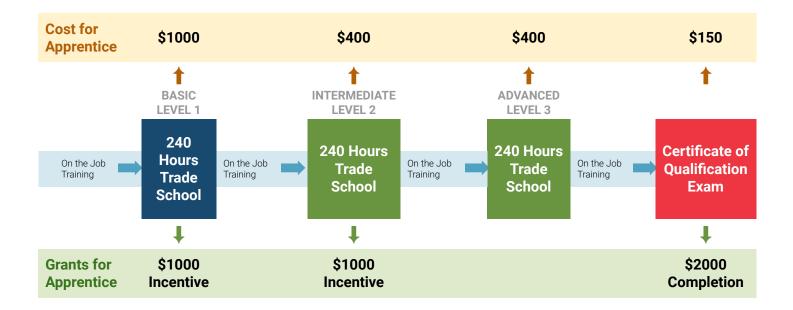
Refrigeration & Air Conditioning Systems Mechanic

WHAT THEY DO:

A Refrigeration & Air Conditioning Systems Mechanic works on refrigeration, cooling, and combined heating-cooling combination systems including geo-exchange systems in residential, industrial, commercial, and institutional settings. Specifically, a Refrigeration and Air Conditioning Systems Mechanic:

- Plans, lays out, installs, starts-up, connects, maintains, services, repairs, tests, verifies, commissions, and decommissions refrigeration and air conditioning systems, electronic components, and their accessories
- Installs and connects piping for the purpose of conveying all types of refrigerants used for both primary and secondary heating and cooling
- Checks efficiency outputs and parameters; inspects and checks operation and integrity of components; determines set points; replaces defective, leaking, discolored, and worn components; performs shut-downs and lock outs; makes adjustments to pressures and controls; cleans and lubricates components; checks calibrations; reassembles and repairs components and systems; starts-up, tests and charges the systems
- Measures, cuts, bends, threads, and connects pipe to functional components and utilities and services, tests, adjusts, commissions, and decommissions the system

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	8280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school to and apprenticeship completion
Duration	9000 Total Hours Approximately 5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Non-Compulsory	452A	72105	CANADA

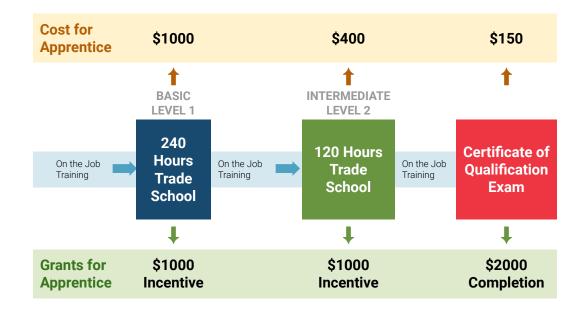
Reinforcing Rodworker

WHAT THEY DO:

A Reinforcing Rodworker reinforces a wide variety of concrete constructions including but not limited to buildings, landscape features, parking garages, caissons, highways, bridges, wind turbines, stadiums, and towers by using reinforcing steel, composite materials, welded wire mesh, post-tensioning systems, and any other concrete reinforcements. Specifically, a Reinforcing Rodworker:

- Cuts and bends reinforcing materials according to design specifications and drawings
- Fabricates, pre-fabricates, and installs reinforcing steel, composite materials, welded wire mesh, post-tensioning systems, and any other concrete reinforcements
- Operates and maintains tools, aerial work platforms, forklifts, and telehandlers
- Prepares reinforcing and post-tensioning materials for hoisting
- Rigs and hoists materials and equipment
- Splices reinforcing steel by welding or installing mechanical splices
- Installs, stresses, and grouts post-tensioning systems

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	3640	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	360	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	4000 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	308R	72102	N/A

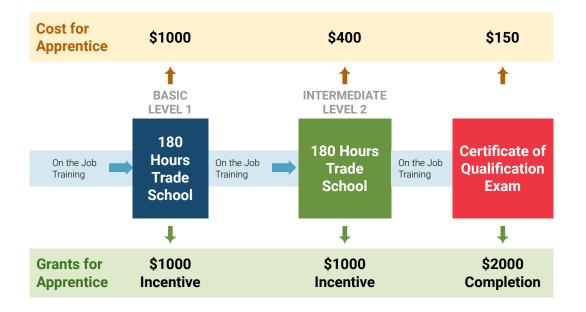
Residential (Low Rise) Sheet Metal Installer

WHAT THEY DO:

A Residential (Low Rise) Sheet Metal Installer installs residential air-handling and ventilation systems in low-rise (four storeys or fewer) residential buildings that do not have common conditioned areas. The work is done in self-contained, single-family dwellings such as detached, semi-detached, and town and linked homes that have a wood frame construction. Specifically, a Residential (Low Rise) Sheet Metal Installer:

- Follows safe working practices and procedures and environmental protection practices
- Organizes work for residential (low rise) sheet metal installations
- Prepares the worksite
- Installs ventilation and main ducts

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4140	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	360	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school tra and apprenticeship completion
Duration	4500 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	313D	72402	N/A

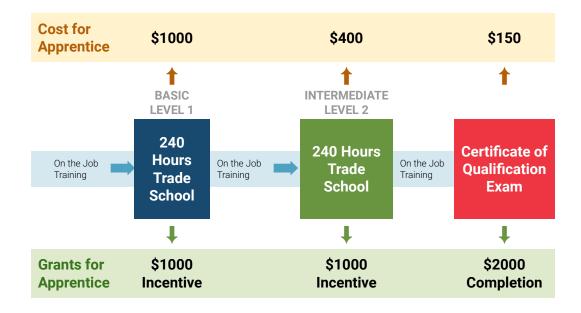
Residential Air Conditioning Systems Mechanic

WHAT THEY DO:

A Residential Air Conditioning Systems Mechanic works on residential air conditioning systems including geo-exchange systems. Specifically, a Residential Air Conditioning Systems Mechanic:

- Plans, lays out, installs, starts-up, connects, maintains, services, repairs, tests, verifies, commissions, and decommissions residential air conditioning systems, components, and their accessories
- Installs and connects piping for the purpose of conveying all types of refrigerants used for both primary and secondary heating and cooling
- Maintains, services, repairs, and replaces system components and accessories, including electrical and electronic components
- Checks efficiency outputs and parameters; inspects and checks operation and integrity of components; determines set points; replaces defective, leaking, discoloured, and worn components; performs shut-downs and lock outs; makes adjustments to pressures and controls; cleans and lubricates components; checks calibrations; reassembles and repair components and systems; starts-up, tests, and charges the systems
- Measures, cuts, bends, threads, and connects pipe to functional components and utilities
- Services, tests, adjusts, commissions, and decommissions the system

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4020	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	4500 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of	Trade	Trade Code	NOC	Code	Red Seal	
Construction	Non-Corr	npulsory	449A	73	110	CANADA	
			Roofer				
			WHAT THEY D	D:			
Roofer: Installs, re Works wit Installs, re panels	epairs, and repla th membrane ro	ces flat and s ofing system airs shingles	, slate, shakes, and	S			
APPREN	ITICESHIP DETA	AILS		IN-SCHOOL T	RAINING DETAILS		
Fotal Hours On The Job	352	20		-	TDA, in-school training may be available in day release, part-time (night school) or		
Total Hours In-Class Training	48	0	Grants ma	ay be available	livery (online, etc.) for completion of in pletion	n-school trainir	
Duration	4000 Tota Approximat		 and apprenticeship completion Apprentices may be eligible to access employment insurance (EI) 			oyment	
Pre-requisite	Grade	e 10	_				
	Cost for Apprentice	\$1000	\$	400	\$150		
	Apprentice						
	Арргенисе	BASIC LEVEL 1		MEDIATE VEL 2	+		



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\$1000

Incentive

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\$2000

Completion

Ļ

\$1000

Incentive

Grants for

Apprentice

Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Construction	Compulsory	308A	72102	CANADA		
	Sheet Metal Worker					
		WHAT THEY DO:				
and/or serlighter gauReads andoriginal arcFabricates	ires, creates, assembles, ha vices all ferrous and nonferr ge and all other materials u understands shop and field chitectural and engineering or installs metal cladding o	rous sheet metal work o sed in lieu thereof d sketches used in fabrie drawings or sketches ver insulation	of No. 10 U.S. Gauge or cation and erection, inc	of any equivalent or luding those taken fror		
APPRENT	TICESHIP DETAILS	IN-9	SCHOOL TRAINING DE	TAILS		
Total Hours On The Job	8280	 Depending on TDA, in-school training may be av block release, day release, part-time (night school) 				
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-sch and apprenticeship completion 				
Duration	9000 Total Hours Approximately 5 years		s employment			
Pre-requisite	Grade 10					
Cost for	\$1000	\$400	\$400	\$150		
Apprentice				\$100		



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	427A	72301	CANADA

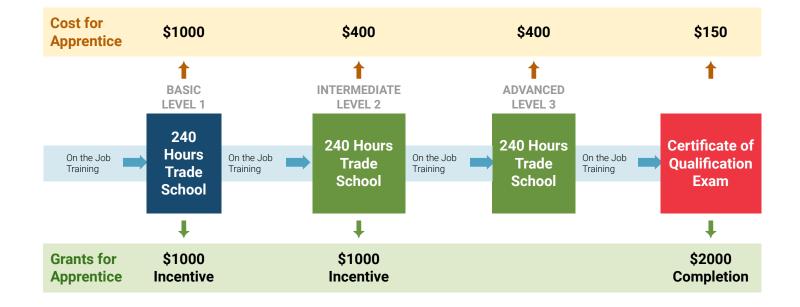
Sprinkle and Fire Protection Installer

WHAT THEY DO:

A Sprinkler & Fire Protection Installer lays out, installs, maintains, modifies, inspects, and tests fire protection systems, including water-based and speciality fire suppression systems in a variety of environments. Specifically, a Sprinkler and Fire Protection Installer:

- Installs water supplies above and below grade for fire protection systems
- Installs fire pumps, drivers and controllers, commissions, detection, protection, and control systems
- Installs, maintains, and tests water-based fire protection systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6480	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	7200 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Construction	Compulsory	307A	72301	CANADA
		Steamfitte		•
		WHAT THEY DO:		
Installs pipInstalls high	ssembles, installs, maintair ing for any process, includi h-pressure piping for any p d maintains instrumentation	ng a process that conve rocess		
APPRENT	ICESHIP DETAILS	IN-5	CHOOL TRAINING DE	ETAILS
otal Hours	TICESHIP DETAILS 8280	Depending on	SCHOOL TRAINING DE TDA, in-school training day release, part-time	g may be available in
otal Hours On The Job otal Hours		 Depending on block release, through an alte Grants may be 	TDA, in-school training day release, part-time ernative delivery (onlin available for complet	g may be available in (night school) or ne, etc.)
otal Hours On The Job otal Hours n-Class Training	8280	 Depending on block release, through an alte Grants may be and apprentice 	TDA, in-school training day release, part-time ernative delivery (onlin	g may be available in (night school) or ne, etc.) ion of in-school trainin
APPRENT Fotal Hours On The Job Fotal Hours n-Class Training Ouration Pre-requisite	8280 720 9000 Total Hours	 Depending on block release, through an alte Grants may be and apprentices m 	TDA, in-school training day release, part-time ernative delivery (onlin available for complet eship completion	g may be available in (night school) or ne, etc.) ion of in-school trainin
otal Hours On The Job otal Hours n-Class Training Ouration	8280 720 9000 Total Hours Approximately 5 years	 Depending on block release, through an alte Grants may be and apprentices m 	TDA, in-school training day release, part-time ernative delivery (onlin available for complet eship completion	g may be available in (night school) or ne, etc.) ion of in-school trainin

On the Job

Training

240 Hours

Trade

School

On the Job

Training

Certificate of

Qualification

Exam

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\$2000

Completion

240 Hours

Trade

School

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\$1000

Incentive

240

Hours

Trade

School

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\$1000

Incentive

On the Job

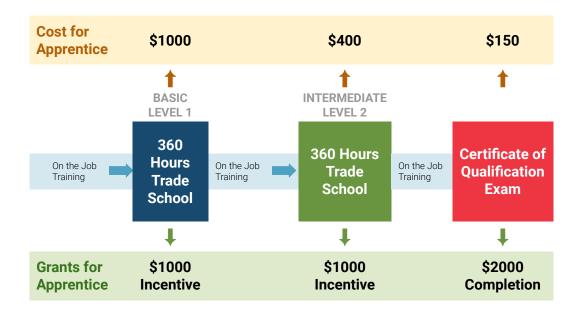
Training

On the Job

Training

Grants for Apprentice

Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Construction	Non-Compulsory	241A	73101	CANADA		
Terrazzo, Tile and Marble Setter						
		WHAT THEY DO:				
 A Terrazzo, Tile & Marble Setter covers interior and exterior walls, floors with terrazzo, tile and/or marble by preparing, measuring, and marking the surface to be covered, mixing, and applying mortar, mastic, cement, or other adhesives, using hand tools, laying mosaic tiles, and removing and replacing cracked or damaged tiles. Specifically, a Terrazzo, Tile and Marble Setter: Uses and maintains electrical, pneumatic, and hydraulic power tools Interprets blueprints and specifications Inspects and verifies materials and tools, and sets plumb, level and square lines and surfaces Prepares sub-surface Installs terrazzo and tile Performs mechanical installation of natural stone on walls Installs natural stone indoors by conventional or stacking method Installs natural stone slabs on floors and counter tops 						
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS		
Total Hours On The Job	4780	 Depending on TDA, in-school training may be available block release, day release, part-time (night school) or through an alternative delivery (online, etc.) Grants may be available for completion of in-school trai and apprenticeship completion 				
Total Hours In-Class Training	720					
Duration	5500 Total Hours Approximately 3.5 years		nay be eligible to acces	s employment		
		1				



Pre-requisite

Grade 10

Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	615A	72410	N/A			
Bearings Mechanic							
		WHAT THEY DO:					
 A Bearings Mechanic performs the following duties: Disassembles and cleans bearings, seals, and chocks Inspects bearings, seals, and chocks for wear and damage Repairs or replaces bearings, seals, and chocks 							
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		The Schedule of Training for this trade can be found on the Skilled Trades Ontario website.					
Total Hours In-Class Training		• There is no exam for this trade.					
Duration							
Pre-requisite	Grade 12						

Sector	Type of Trac	de Trade	e Code	NOC Code	Red Seal		
Industrial	Non-Compuls	sory 43	38A	72311	CANADA		
Cabinetmaker							
		WHAT	THEY DO:				
 Builds, reparation Builds, reparation Reads drave Sets up an 	sing a variety of wo wings and specifica	stalls residential an ods, laminates, and tions, and prepares	other produc layouts	ts	irniture, and architectura achine wood products		
APPRENT	TICESHIP DETAILS		IN-S	CHOOL TRAINING DE	ETAILS		
Total Hours On The Job	7280	bl	• Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or				
Total Hours In-Class Training	720	• G	rants may be	rnative delivery (onlin available for complet ship completion	ie, etc.) ion of in-school training		
Duration	8000 Total Ho Approximately 4	ours • A	• •	ay be eligible to acces	ss employment		
Pre-requisite	Grade 12						
Cost for Apprentice	\$1000	\$400		\$400	\$150		
	BASIC LEVEL 1	INTERMEDIATE LEVEL 2	E	ADVANCED LEVEL 3	†		
On the Job Training	240 Hours On the Job Trade Training	240 Hours Trade School	On the Job Training	240 Hours Trade School	•• Certificate of Qualification Exam		
	Ļ	Ļ			Ļ		
Grants for Apprentice	\$1000 Incentive	\$1000 Incentive			\$2000 Completion		

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	670C	22302	N/A

Computer Numerical Control (CNC) Programmer

WHAT THEY DO:

A CNC Programmer develops programming for Computerized Numerical and Direct Numerical controlled machines by:

- Demonstrating safe work practices and techniques
- Defining areas of workpiece to be machined
- Determining CNC programming operations
- Planning the metal removal process
- Developing tool paths
- Post-processing tool path information
- Generating CNC job documentation
- Implementing CNC machining processes
- Optimizing programs
- Archiving/maintaining files

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS	
Total Hours On The Job		The <u>Curriculum Training Standard</u> can be found on the Skilled Trades Ontario website.	
Total Hours In-Class Training Duration	240	 The <u>Schedule of Training</u> can be found on the Skilled Trades Ontario website. There is no exam for this trade. 	
	This is a Dest Cartification	Appropriagabin for the trades of:	
Pre-requisite	 Inis is a Post Certification General Machinist - Tool and Die Maker Tool/Tooling Maker Mould Maker - 431/ 	aker - 430A aker - 630T	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal	
Industrial	Non-Compulsory	670D	72101	N/A	
Die Designer					
		WHAT THEY DO:			
 Demonstra Reading ar Conveying Determinin Designing a Creating a Dimension Finalizing t 	 Reading and interpreting a piece part drawing Conveying information to CAD program/system Determining the type of die Designing a layout of sequence of operations Creating a tooling design Dimensioning the die design Finalizing the die drawing/design 				
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS	
Total Hours On The Job			<u>of Training</u> for this trac Ontario website.	de can be found on the	
Total Hours In-Class Training					
Duration					
Pre-requisite This is a Post Certification Apprenticeship for the trades of: Tool and Die Maker - 430A 					

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	614A	22212	N/A

Draftsperson - Mechanical

WHAT THEY DO:

A Draftsperson – Mechanical performs some or all of the following duties:

- Develops and prepares engineering designs and drawings
- Operates computer-aided design and graphics drafting stations
- Develops and prepares drawings of industrial machines, engines, tools, and mechanical equipment
- Develops and prepares design sketches
- Completes documentation packages and produces drawing sets
- Checks and verifies design drawings to conform to specification and design data
- Writes technical reports
- Checks prepared contract and tender documents

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job		• The <u>Schedule of Training</u> for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training		This trade has no exam.
Duration		
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	614B	22212	N/A			
	Draftsperson - Plastic Mould Design						
		WHAT THEY DO:					
 Develops a Operates c Develops a Completes Checks and Writes tech Checks present Designs an Designs m 	 Operates computer-aided design and graphics drafting stations Develops and prepares design sketches Completes documentation packages and produces drawing sets Checks and verifies design drawings Writes technical reports Checks prepared contracts and tender documents Designs and produces simple to complex templates and patterns Designs mechanical equipment for mould manufacturing Designs plastic moulds and tooling for mould-making and modifications 						
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		• The <u>Schedule of Training</u> can be found on the Skilled Trades Ontario website.					
Total Hours In-Class Training							
Duration							
Pre-requisite	Grade 12						

Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	614C	22212	N/A			
	Draftsperson - Tool and Die Design						
		WHAT THEY DO:					
 Develops a Operates c Develops a Completes Checks and Writes tech Checks presigns an Designs m Designs to 	 Develops and prepares design sketches Completes documentation packages and produce drawing sets Checks and verifies design drawings Writes technical reports 						
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		• The <u>Schedule of Training</u> can be found on the Skilled Trades Ontario website.					
Total Hours In-Class Training							
Duration							
Pre-requisite	Grade 12						

Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	446A	72422	N/A			
	Electric Motor System Technician						
		WHAT THEY DO:					
Disassemb	 An Electric Motor System Technician performs some or all of the following: Disassembles, diagnoses, rewinds, repairs, tests, and reassembles components of electric motors, transformers, switchgears, and generators 						
APPRENT	ICESHIP DETAILS	IN-S	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		The Schedule Ontario websi		nd on the Skilled Trades			
Total Hours In-Class Training		 Ontario website. Exam Counselling Sheets can be found on the Skilled Trac Ontario website. This trade has a Certificate of Qualification Exam 					
Duration							
Pre-requisite	Grade 12						

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	636E	72406	N/A

Elevating Devices Mechanic

WHAT THEY DO:

An Elevating Devices Mechanic constructs, installs, services, and maintains elevating devices including elevators, lifts, and escalators. Specifically, an Elevating Devices Mechanic:

- Inspects, services, and maintains existing elevating devices
- Installs new elevating devices
- Rigs and hoists elevating devices
- Installs and maintains control equipment
- Installs and maintains protective devices

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	7280	• 25 reportable subjects totaling 720 hours of theoretical training
Total Hours In-Class Training	720	 The Flowchart for becoming an Elevating Devices Mechanic can be found on the Skills Ontario website. The Curriculum Training Standard can be found on the Skills
Duration	8000 Total Hours Approximately 4 years	Ontario website.Grants may be available for completion of in-school training
Pre-requisite	Grade 12	 and apprenticeship completion Apprentices may be eligible to access employment insurance (EI)

*Professional exam provided by Technical Safety Standards Authority

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	269E	52119	N/A

Entertainment Industry Power Technician

WHAT THEY DO:

An Entertainment Industry Power Technician works in film, television, live performance, trade shows, special event productions, and carnivals by doing the following:

- Evaluating job requirements
- Planning, building, installing, maintaining, and disassembling power distribution systems, including both main and subdistribution systems
- Designing and installing temporary distribution systems
- Installing, controlling, and disassembling lighting
- Managing portable power supplies including maintenance of batteries

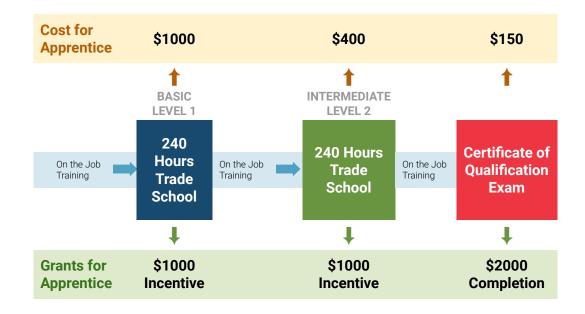
APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4520	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	5000 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	

Reportable Subjects



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	255W	92100	N/A
	Faci	lities Mech	anic	
		WHAT THEY DO:		
 Inspects fin Inspects and systems Inspects and systems 	nic performs the following d re safety equipment nd performs routine mainter nd performs routine mainter nd performs routine mainter nd performs routine mainter	nance on and troublesh nance on domestic app nance on low voltage el	liances, laundry syster ectrical and plumbing	ns, and air conditionin systems

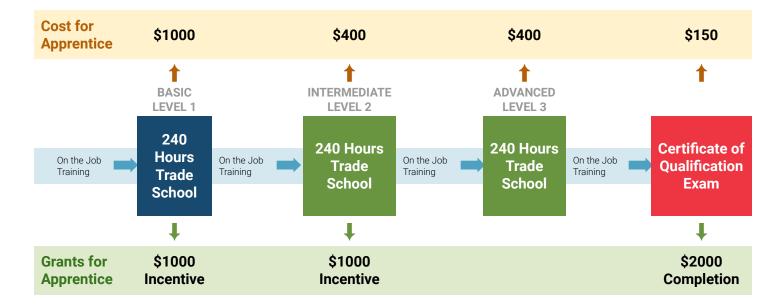
APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6000	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6480	Apprentices may be eligible to access employment
Pre-requisite	Grade 12	insurance (EI)



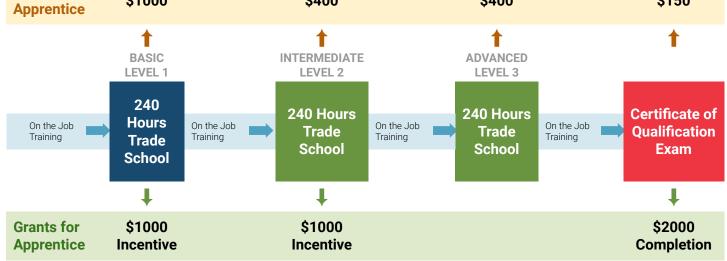
Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	255B	92100	N/A
	Facil	ities Techn WHAT THEY DO:	nician	
 Performs pr Operates, m Operates, tr Operates, tr 	an performs the following dutie reventive maintenance nonitors, and performs routine r oubleshoots, and performs rou oubleshoots, and performs rou nonitors, and performs routine r	naintenance on air condi tine maintenance on air c tine maintenance on chill	compressors lers and refrigeration syst	

- Inspects and verifies fire suppression and sprinkler systems
- Inspects, tests, and verifies emergency power and lighting systems
- Operates, monitors, and performs routine maintenance on heating systems
- Operates, troubleshoots, and performs routine maintenance on pumps and pumping systems
- Operates, monitors, and performs routine maintenance on low pressure boilers
- Operates electrical systems
- Performs routine maintenance on fume hoods
- Operates and performs routine maintenance on control systems and instrumentation
- Inspects and monitors plumbing systems.
- Monitors and analyzes utility consumption

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job		 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration		Apprentices may be eligible to access employment
Pre-requisite	Grade 12	insurance (EI)



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	429A	72100	CANADA
	Gen	neral Machi	inist	
		WHAT THEY DO:		
 Sets up an 	es, and finishes metal to ma d operates both conventiona			
Performs v	aws, drills, grinders, lathes, a vork-in-process measuring c	and mills or checking using speci	alized and precision to	ools and equipment
Performs v		and mills or checking using speci	_	ools and equipment
Performs v	vork-in-process measuring c	end mills or checking using speci IN-S • Depending on block release,	alized and precision to SCHOOL TRAINING DE TDA, in-school training day release, part-time	ools and equipment ETAILS g may be available in (night school) or
Performs v APPRENT Fotal Hours On The Job Fotal Hours	vork-in-process measuring c	 and mills br checking using speci IN-S Depending on block release, through an alt Grants may be 	alized and precision to SCHOOL TRAINING DE TDA, in-school training day release, part-time ernative delivery (onling available for complet	TAILS g may be available in (night school) or he, etc.)
Performs v APPRENT Total Hours On The Job Total Hours n-Class Training	vork-in-process measuring of TCESHIP DETAILS 7280	end mills or checking using speci IN-S Depending on block release, through an alt Grants may be and apprentice	alized and precision to SCHOOL TRAINING DI TDA, in-school training day release, part-time ernative delivery (onlin	ools and equipment ETAILS g may be available in (night school) or ne, etc.) tion of in-school training
Performs APPRENT Fotal Hours	vork-in-process measuring of TICESHIP DETAILS 7280 720 8000 Total Hours	 and mills br checking using speci IN-S Depending on block release, through an alt Grants may be and apprentice Apprentices m 	alized and precision to SCHOOL TRAINING DI TDA, in-school training day release, part-time ernative delivery (online e available for complet eship completion	ools and equipment ETAILS g may be available in (night school) or ne, etc.) tion of in-school training
Performs v APPRENT Fotal Hours On The Job Fotal Hours n-Class Training Duration	Vork-in-process measuring of CICESHIP DETAILS 7280 720 8000 Total Hours Approximately 4 years	 and mills br checking using speci IN-S Depending on block release, through an alt Grants may be and apprentice Apprentices m 	alized and precision to SCHOOL TRAINING DI TDA, in-school training day release, part-time ernative delivery (online e available for complet eship completion	ools and equipment ETAILS g may be available in (night school) or ne, etc.) tion of in-school training



Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	277Z	72400	N/A			
Hydraulic/Pneumatic Mechanic							
	WHAT THEY DO:						
 componen Checks and Develops a Writes tech Examines d 	 Installs, maintains, repairs, rebuilds, or modifies existing hydraulic, pneumatic, or fluid systems, controls, and components Checks and verifies design drawings to ensure conformity to specification and design data Develops and prepares sketches Writes technical reports Examines drawings to check for errors Maintains records of repairs completed 						
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		Skilled Trades	Ontario website.	de can be found on the			
Total Hours In-Class Training							
Duration							
Pre-requisite	Grade 12						

Sector	Type of Trade	Trade Code	NOC Code	Red Seal	
Industrial	Non-Compulsory	442A	72201	CANADA	
Industrial Electrician					

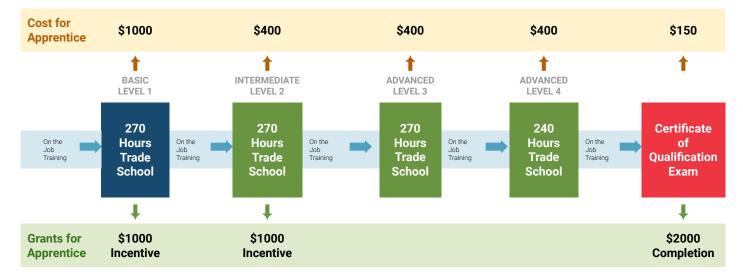
WHAT THEY DO:

An Industrial Electrician lays out, inspects, assembles, installs, troubleshoots, repairs, and maintains (including programming, calibration, and preventive/predictive maintenance) electrical fixtures, apparatus, control equipment, and wiring for industrial electrical systems, as well as equipment and systems such as motors, generators, distribution equipment systems, wiring systems, lighting systems, motor drives, stand-by power systems, instrumentation, communication, security, renewable energy, and energy storage systems. Specifically, an Industrial Electrician:

- Plans installations from blueprints, sketches, and specifications and installs all electrical and electronic devices
- Systematically diagnoses faults in electrical and electronic systems and equipment and repairs or replaces electrical and electronic components, as required
- Measures, cuts, threads, bends, assembles, and installs conduits and other electrical conductor raceways
- Splices and terminates electrical conductors
- Tests electrical and electronic equipment for proper function

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	8,160	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	1,050	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	9,000 Total Hours Approximately 5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	

Starting September 1, 2024, this trade will have new curriculum as well as more hours and another level of in-school training.



This flowchart represents the new curriculum. Any person starting their apprenticeship after September 1 will participate in the new curriculum

Sector	Type of Trade	e Tra	de Code	NOC Code	Red Seal		
Industrial	Non-Compulso	ry	433A	72400	CANADA		
Industrial Mechanic Millwright							
		WHA	T THEY DO:				
 mechanical, pneur conveyors, presse Millwright: Uses mach presses, po Uses precioptical leve Uses testir preventive Installs, ma 	matic, hydraulic, fuel, s, generators and pre- nine tools such as lat ower threaders, and p sion tools such as las els ng equipment such as maintenance aintains, and services	lubrication, cool eumatic and hyd hes and milling r ounches ser alignment eq s vibration analys s compressed air	ing and exhau raulic controls machines and uipment, dial sis as well as r, water, and e	ist systems, and pum s. Specifically, an Indu fabrication tools sucl indicators, micromete other techniques used	strial Mechanic n as welders, breaks, ers, and precision and d in predictive and otics, pumps, presses,		
APPRENT	FICESHIP DETAILS		IN-	SCHOOL TRAINING D	ETAILS		
Total Hours On The Job	7280		 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or 				
Total Hours In-Class Training	720	•	Grants may b	ernative delivery (onli e available for comple eship completion	ne, etc.) tion of in-school training		
Duration	8000 Total Hou Approximately 4 y	rs •		nay be eligible to acce	ess employment		
Pre-requisite	Grade 12						
Continu							
Cost for Apprentice	\$1000	\$400		\$400	\$150		
Image: Constraining Image: Constrain							
	School	Ļ			+		
Grants for Apprentice	\$1000 Incentive	\$1000 Incentive	•		\$2000 Completion		

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	447A	22312	CANADA

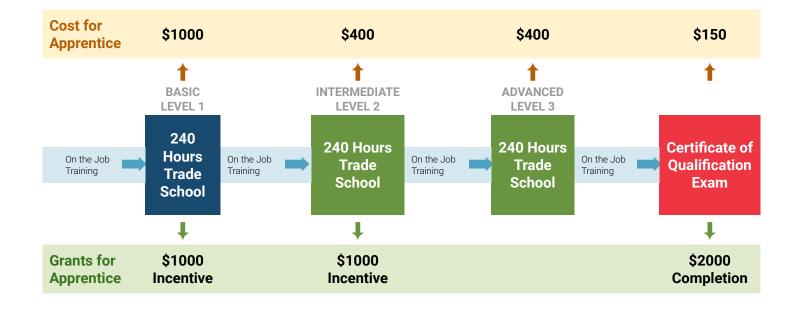
Instrumentation and Control Technician

WHAT THEY DO:

An Instrumentation & Control Technician installs, maintains, calibrates, designs, and troubleshoots networking systems, process control, and environmental protection equipment in a variety of industrial environments. Specifically, an Instrumentation and Control Technician:

- Installs, maintains, and configures control and process systems
- Calibrates, commissions, configures, installs, and troubleshoots all pneumatic, electronic, electrical, mechanical, and analytical instrumentation devices
- Calibrates and repairs analytical instrumentation that monitors or controls flow, level, temperature, pressure, acidity, conductivity, and humidity
- Services all process control communication networks
- Services environmental and other analytical instruments

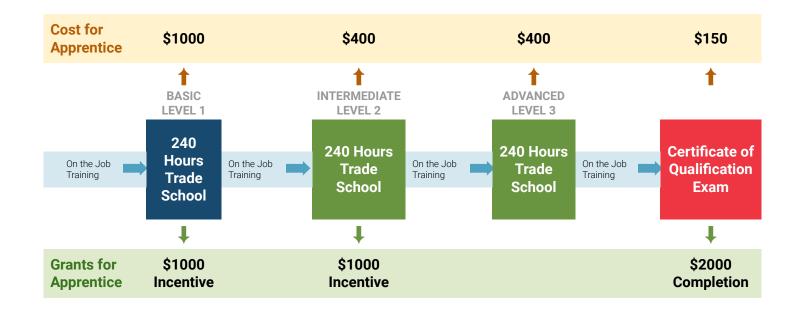
APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	7280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	8000 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	259L	72999	N/A			
		Locksmith	1				
WHAT THEY DO:							
 Repairs, ins Repairs, ins Makes keys 							
APPRENT	ICESHIP DETAILS	IN-:	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		Trades Ontario	o website.	g available on the Skilled			
Total Hours In-Class Training							
Duration	5000-6000 Total Hours Approximately 3 years						
Pre-requisite	Grade 12						

	Type of Trade	Trade Code	NOC Code	Red Seal		
Industrial	Non-Compulsory	430M	72405	N/A		
Machine Tool Builder and Integrator						
		WHAT THEY DO:				
 Builds, ass 	evises, and details assembly embles, and integrates pneu onveyor systems, and feede					
	and integrates subassemb on automated machine tool	er systems lies into the main asser	mbly of stand-alone m			
multi-statio	s and integrates subassemb	er systems lies into the main asser systems	mbly of stand-alone m SCHOOL TRAINING DI	achine tools and		
Multi-station APPRENT	s and integrates subassemb on automated machine tool	er systems lies into the main asser systems IN- Depending on block release,	SCHOOL TRAINING DI TDA, in-school training day release, part-time	achine tools and ETAILS g may be available in (night school) or		
multi-statio	and integrates subassemb on automated machine tool	er systems lies into the main asser systems • Depending on block release, through an alt • Grants may be	SCHOOL TRAINING DI TDA, in-school training day release, part-time ernative delivery (onlir	achine tools and ETAILS g may be available in (night school) or		

• Apprentices may be eligible to access employment insurance (EI)



Approximately 4 years

Grade 12

Pre-requisite

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	437A	72104	CANADA

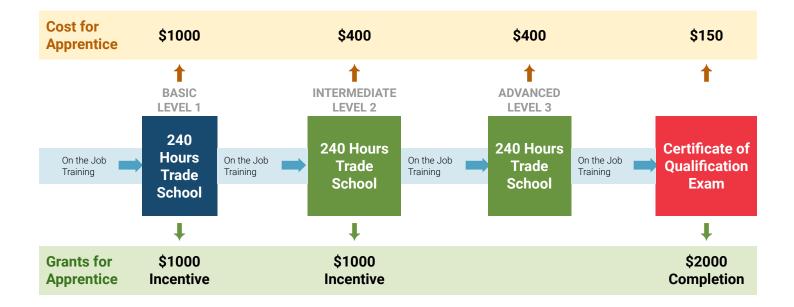
Metal Fabricator (Fitter)

WHAT THEY DO:

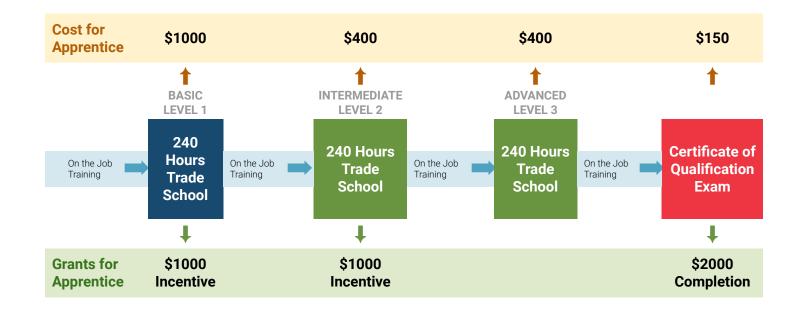
A Metal Fabricator (Fitter) builds, assembles, and repairs products made of ferrous and non ferrous metals for use in a wide variety of manufacturing and construction industries. Specifically, a Metal Fabricator (Fitter):

- Reads and interprets engineered drawings, sketches, codes, and standards
- Plans the sequence of tasks and executes fabrication safely and efficiently
- Performs calculations and applies shop formulas by using mathematical methods to develop patterns
- Completes the task of measuring, marking, and laying out a variety of plate and structural shapes
- Sets up and operates trade specific machinery to cut and form parts to be assembled
- Assembles and fits parts to form sub-assemblies or complete units used in the manufacturing process
- Connects components using various welding processes and mechanical fasteners
- Utilizes material handling, rigging, hoisting, and lifting equipment safely
- Performs job duties safely and with precision ensuring compliance with drawings and applicable codes and standards

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4680	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	5400 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	431A	72101	N/A			
Mould Maker							
		WHAT THEY DO:					
 Reads and interprets complex engineering drawings and work-process documentation Designs, builds, and repairs moulds and models used to mass produce plastic or metal components or products Builds precision mould components using conventional and numerically controlled metal-cutting machines and equipment including saws, drills, grinders, lathes, mills, and EDMs Performs work-in-process measuring or checking using specialized and precision tools and equipment 							
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job	7280		TDA, in-school training day release, part-time				
Total Hours In-Class Training720through an alternative delivery (online, etc.)• Grants may be available for completion of in-school training and apprenticeablin completion							
Duration	8000 Total Hours Approximately 4 years						
Pre-requisite	Grade 12						



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Industrial	Non-Compulsory	277M	72101	N/A		
Mould or Die Finisher						
		WHAT THEY DO:				
	 A Mould or Die Finisher performs some or all of the following duties: Utilizes a variety of power and hand tools to shape, smooth, finish, and polish moulds or metal working dies 					
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS		
Total Hours On The Job		Trades Ontario	o website.	g available on the Skilled		
Total Hours In-Class Training						
Duration						
Pre-requisite	Grade 12					

Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	609C	72400	N/A			
Industrial	Non-Compulsory	0090	72400	N/A			
	Packaging Machine Mechanic						
		WHAT THEY DO:					
 Sets up particular Adjusts gui Initiates station Observes li Identifies transmission Advises matrix Refers comparison 	ljusts, maintains, and monito ckaging line to accommodat ides, belts, conveyor speeds, art up ne in operation rouble areas aintenance management of nplex electrical and mechani I lubricates machine compor	te various products, pa , drive and transfer me recurrent problems cal repairs to certified	ckage dimensions, and chanisms to required to personnel	production volumes			
APPRENT	ICESHIP DETAILS	IN-:	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		 This trade has Trades Ontario This trade has 	o website.	g available on the Skilled			
Total Hours In-Class Training							
Duration							
Pre-requisite	Grade 12						

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	404D	73112	N/A

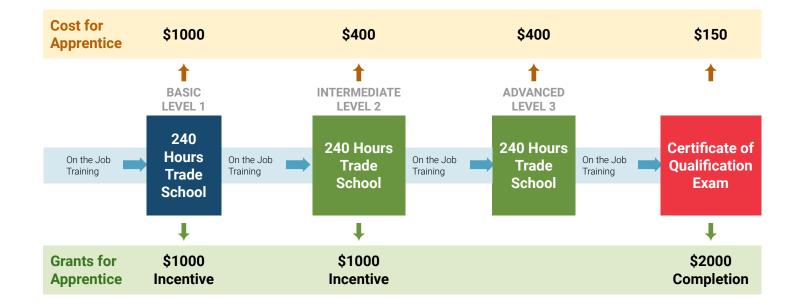
Painter and Decorator - Industrial

WHAT THEY DO:

A Painter & Decorator — Industrial applies protective finishes in commercial, institutional, and industrial settings. They prepare a variety of surfaces (wood, masonry, drywall, plaster, concrete, synthetics, stucco, and metal) prior to the application of materials such as paint, high performance coatings, waterproofing, fireproofing, and specialty finishes. Specifically, a Painter and Decorator — Industrial:

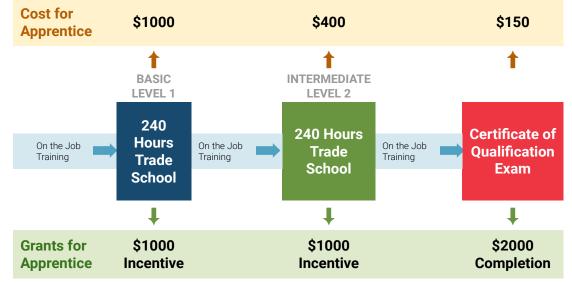
- Reads specifications to determine quantities of materials required
- Prepares and cleans surfaces using methods, such as scraping, sanding, sandblasting, hydro-blasting, and steamcleaning
- Mixes coatings according to manufacturer's specifications
- Applies coatings using brushes, rollers, or spray equipment
- Practices quality control
- Assembles and erects scaffolding, swing stages, and other access equipment

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6000 Total Hours Approximately 3 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Industrial	Non-Compulsory	443A	72101	N/A		
		Pattern Ma	aker			
		WHAT THEY DO	D:			
 Reads and Designs ar and compo Builds prec drills, grind 	nd creates foundry patte onents cast from metal cision pattern tooling us lers, lathes, mills, and ele	ineering drawings, patte erns and core boxes from ing wood and metal cut ectrical discharge mach	ern drawings, and work pr m metal, wood, plastic, an ting machines and equipr nines specialized and precision	d polystyrene for parts ment, including saws,		
APPRENT	TICESHIP DETAILS		IN-SCHOOL TRAINING D	ETAILS		
Total Hours On The Job	7280	block relea	 Depending on TDA, in-school training may be availab block release, day release, part-time (night school) or through an alternative delivery (online, etc.) Grants may be available for completion of in-school t and apprenticeship completion 			
Total Hours In-Class Training	720	Grants ma				
Duration	8000 Total Hours Approximately 4 yea	Apprentice	es may be eligible to acce	ss employment		
Pre-requisite	Grade 12					
Cost for Apprentice	\$1000	\$400	\$400	\$150		
Cost for Apprentice	\$1000 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$400 INTERMEDIATE LEVEL 2 240 Hours Trade School On the Jo Training	ADVANCED LEVEL 3 240 Hours	Certificate of Qualification		
Apprentice	Image: state	INTERMEDIATE LEVEL 2 240 Hours Trade On the Jo Training	ADVANCED LEVEL 3 240 Hours Trade On the Training	Certificate of Qualification		

Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Industrial	Non-Compulsory	456P	72106	N/A			
Pressure Systems Welder							
		WHAT THEY DO:					
 Welds metal plates, shells, tubes, drums, and structures to assemble and repair boilers and pressure systems to meet pressure test standards. 							
	ICESHIP DETAILS		SCHOOL TRAINING DE				
APPRENT Total Hours On The Job	TICESHIP DETAILS 5280	 Depending on block release, 	TDA, in-school training day release, part-time	g may be available in (night school) or			
Total Hours		 Depending on block release, through an alt Grants may be 	TDA, in-school training day release, part-time ernative delivery (onlin e available for complet	g may be available in (night school) or			
Total Hours On The Job Total Hours	5280	 Depending on block release, through an alt Grants may be and apprentic 	TDA, in-school training day release, part-time ernative delivery (onlin	g may be available in (night school) or e, etc.) ion of in-school training			



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Industrial	Non-Compulsory	246T	93101	N/A		
Process Operator - Food Manufacturing						
		WHAT THEY DO:				
• Operates, r	 A Process Operator — Food Manufacturing performs some or all of the following duties: Operates, monitors, adjusts, and maintains food processing units and equipment 					
APPRENT	ICESHIP DETAILS	IN-:	SCHOOL TRAINING DE	TAILS		
APPRENT Total Hours On The Job	ICESHIP DETAILS	 This trade has Trades Ontario 	s a Schedule of Training o website.	TAILS g available on the Skilled		
Total Hours	ICESHIP DETAILS	This trade has	s a Schedule of Training o website.			
Total Hours On The Job Total Hours	TICESHIP DETAILS	 This trade has Trades Ontario 	s a Schedule of Training o website.			

Sector Type of Trade Trade Code NOC Code Red Seal						
Industrial Non-Compulsory 246R 93101 N/A						
	Process		- Power			
A Process Operator – Power operates, monitors, adjusts, and maintains processing systems and equipment by: • Performing operator and outside operator duties and satellite control room operations • Operating electronic or computerized control panels • Controlling process start up and shut down and performing troubleshooting duties • Monitoring outside process equipment • Adjusting equipment, valves, pumps and controls, and process equipment • Completing required maintenance documentation • Preparing process units or production equipment for maintenance • Sampling, testing, and preparing reports on process operations						

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job		• This trade has a Schedule of Training available on the Skilled Trades Ontario website.
Total Hours In-Class Training		 This trade has no exam.
Duration		
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	246F	93101	N/A

Process Operator - Refinery, Chemical & Liquid Processes

WHAT THEY DO:

A Process Operator – Refinery, Chemical & Liquid Processes process, operate, monitor, adjust and maintain processing systems and equipment by:

- Performing operator duties, outside operator duties and control room operations
- Operating electronic or computerized control panels
- Controlling process start up and shut down and performing troubleshooting duties
- Monitoring outside process equipment
- Adjusting equipment, valves, pumps and controls, and process equipment
- Completing required maintenance documentation
- Preparing process units or production equipment for maintenance
- Sampling, testing and, preparing reports on process operations
- Participating in safety audits and programs, and provides emergency response

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job		• This trade has a Schedule of Training available on the Skilled Trades Ontario website.
Total Hours In-Class Training		 This trade has no exam.
Duration		
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Industrial	Non-Compulsory	246W	93101	N/A		
Process Operator - Wood Products						
		WHAT THEY DO:				
	Operator — Wood Products p nonitors, adjusts, and maint			nt		
APPRENT	ICESHIP DETAILS	IN-S	SCHOOL TRAINING DE	ETAILS		
APPRENT Total Hours On The Job	ICESHIP DETAILS	 This trade has Trades Ontario 	a Schedule of Training o website.	TAILS g available on the Skilled		
Total Hours	ICESHIP DETAILS	This trade has	a Schedule of Training o website.			
Total Hours On The Job Total Hours	ICESHIP DETAILS	 This trade has Trades Ontario 	a Schedule of Training o website.			

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	288R	72201	N/A

Relay and Instrumentation Technician

WHAT THEY DO:

A Relay & Instrumentation Technician performs some or all of the following duties:

- Diagnoses and repairs data acquisition and code systems
- Diagnoses and repairs devices and computers
- Tests vital signal control relays
- Diagnoses and repairs power systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job		• This trade has a Schedule of Training available on the Skilled Trades Ontario website.
Total Hours In-Class Training		 This trade has no exam.
Duration		
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	430A	72101	CANADA

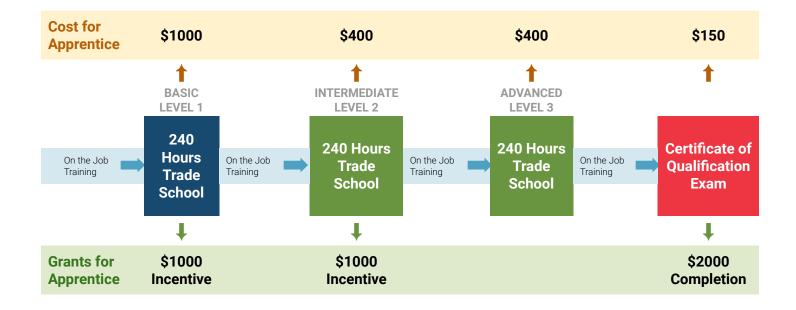
Tool and Die Maker

WHAT THEY DO:

A Tool & Die Maker designs, creates, repairs, and tests prototypes and production tools such as dies, cutting tools, jigs, fixtures, gauges, and specialty tools using various metals, alloys, and plastics. Specifically, a Tool and Die Maker:

- Reads and interprets complex engineering drawings, tooling drawings, and work-process documentation
- Designs, builds, changes, and repairs dies, forms, cutting tools, gauges, jigs, and fixtures for the manufacturing sector
- Builds precision dies, tools, and prototypes using conventional and numerically controlled metal-cutting and forming machines and equipment including saws, drills, grinders, lathes, mills, die presses, and electrical discharge machines
- Performs work-in-process measuring and checking using specialized and precision tools and equipment

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	7280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	8000 Total Hours (Approximately 4 Years)	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	630T	72101	N/A

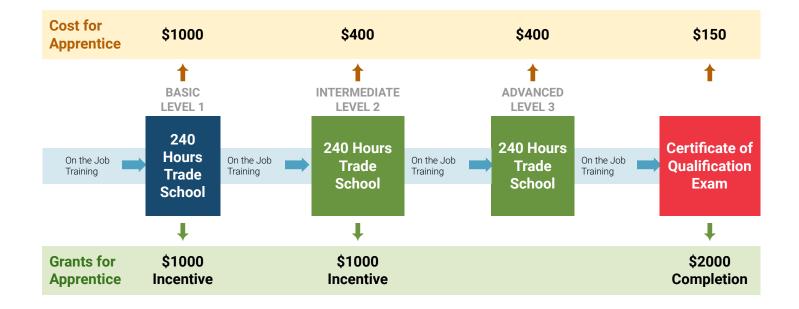
Tool/Tooling Maker

WHAT THEY DO:

A Tool/Tooling Maker performs the following duties:

- Reads and interprets complex engineering drawings, bills of material, component and part prints, assembly drawings, tool and part drawings, and work documentation
- Uses conventional and numerically controlled metal cutting machines and specialized equipment
- Designs, builds, and assembles tools, jigs, fixtures, specialized equipment, instruments, models, and prototypes
- Assembles and fits tool and tooling components
- Conducts final fitting and inspection of tool sub-assemblies and components
- Conducts final finishing and testing of complex tools and tooling

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	7280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	8000 Total Hours (Approximately 4 Years)	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Industrial	Non-Compulsory	638A	73300	N/A

Tractor-Trailer Commercial Driver

WHAT THEY DO:

A Tractor-Trailer Commercial Driver operates a tractor-trailer for commercial purposes to transport goods, products, and materials across provincial, national, and international routes. Specifically, a Tractor-Trailer Commercial Driver:

- Plans and executes driving routes
- Secures cargo and loads to ensure safety and prevent damage
- Inspects equipment, conducts routine vehicle safety checks, and reports problems
- Prepares compliance and commercial documentation
- Handles equipment off road and on highways
- Controls vehicle speed, space, and road position in all driving conditions
- Practices defensive and courteous driving techniques

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	3000	 4-8 weeks of mentorship in classroom, in cab, and other workplace settings
Total Hours In-Class Training	Varies	 Learning and skill development continues through the remainder of the apprenticeship program
Duration	Varies Based on In-Class Training Hours	 There may be circumstances in which the duration varies from this guideline Grants may be available for completion of in-school training
Pre-requisite	Grade 10	 and apprenticeship completion Apprentices may be eligible to access employment insurance (El) There is a Schedule of Training available on the Skilled Trades Ontario website.

Sector	Type of Trac	le Tr	ade Code	NOC Code	Red Seal		
Industrial	Non-Compuls	ory	456A	72106	CANADA		
Welder							
		WH	AT THEY DO:				
 A Welder permanently joins pieces of metal or manufactured parts using metal filler and heat and/or pressure; builds structures and repairs broken or cracked parts according to specifications; and carries out special processes, such as welding studs and brazing. Specifically, a Welder: Lays out, cuts, and forms metals to specifications Fits sub-assemblies and assemblies together and preparing assemblies for welding Uses three major types of welding: arc, gas, and resistance Uses various welding and cutting processes to join structural steel and cut metal in vessels, piping, and other components Fabricates parts, tools, machines, and equipment Joins parts being manufactured, builds structures, and repairs damaged or worn parts Controls for quality before, during, and after welding 							
APPRENT	FICESHIP DETAILS		IN-	SCHOOL TRAINING	G DETAILS		
Total Hours On The Job	5280	•	 Depending on TDA, in-school training may be availablock release, day release, part-time (night school) 				
Total Hours In-Class Training	720	•					
Duration	6000 Total Hc (Approximately 3		 and apprenticeship completion Apprentices may be eligible to access employment insurance (EI) 				
Pre-requisite	Grade 12						
Cost for Apprentice	\$1000	\$400		\$400	\$150		
On the Job Training	♦ BASIC LEVEL 1 240 Hours Trade School On the Job Training	INTERMEDI LEVEL 2 240 Hou Trade Schoo	Irs On the Job Training		the Job aining Certificate of Qualification Exam		
Grants for Apprentice	\$1000 Incentive	\$1000 Incentiv			\$2000 Completion		

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Non-Compulsory	425A	72401	GANADA

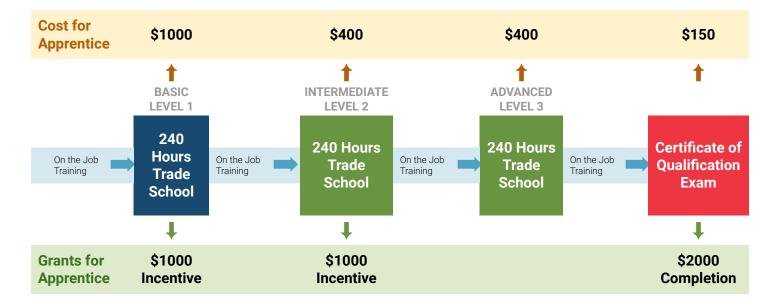
Agricultural Equipment Technician

WHAT THEY DO:

An Agricultural Equipment Technician inspects, diagnoses, and repairs agricultural machinery such as tractors and implements used for tillage planting, harvesting, spraying, and irrigation. Specifically, an Agricultural Equipment Technician services and repairs various agricultural equipment systems including:

- Electrical, hydraulic, engine, and braking systems
- Intake, exhaust, and emission control systems
- Mechanically and electronically controlled fuel systems
- Clutches, transmissions, drive axles, and final drive assemblies
- Steering and suspension systems
- Tires, wheels, ballasting devices, undercarriages, and tracks
- Air-conditioning and structural components and accessories
- Tillage, planting, and harvesting equipment
- Spraying and irrigation agricultural systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be eligible to access employment
Duration	7000 Total Hours Approximately 3.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Compulsory	310E	72410	N/A

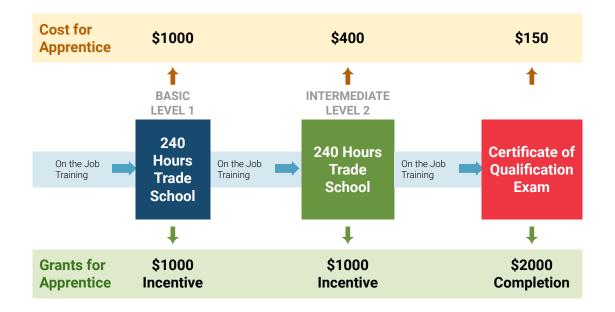
Alignment and Brakes Technician

WHAT THEY DO:

An Alignment & Brakes Technician inspects, diagnoses, and repairs electrical and electronic controls, suspension systems, and frames, braking systems, tires, wheels, rims, hubs and axles, and alignment. Specifically, an Alignment and Brakes Technician inspects, diagnoses and repairs:

- Suspension systems and frames
- Braking systems
- Tires, wheels, rims, hubs, and axles
- Alignment

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS		
Total Hours On The Job	5,880	• Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or		
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be eligible to access employment 		
Duration	5,400 Total Hours Approximately 3 years	insurance (EI)		
Pre-requisite	Grade 12			



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Compulsory	310B	72411	CANADA

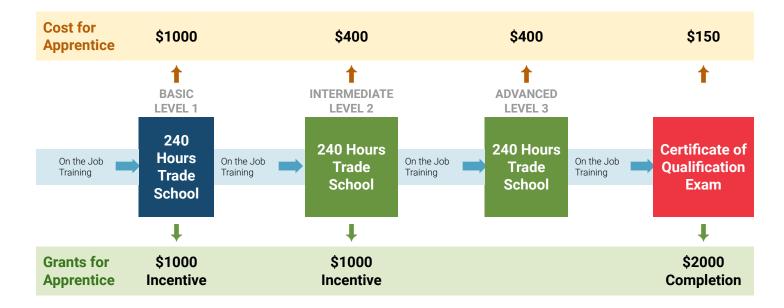
Auto Body Collision Damage Repairer

WHAT THEY DO:

An Auto Body & Collision Damage Repairer repairs and/or replaces frame and structural components, mechanical, interior, and electrical components, plastic and composite panels, and sheet metal panels. Specifically, an Auto Body and Collision Damage Repairer:

- Repairs, reshapes, and refits body panels
- Welds breaks in body panels
- Removes or replaces electrical, electronic components
- Repairs, removes, or replaces wiring harnesses, air conditioning systems, and mechanical components
- Straightens and aligns frames and unibody assemblies
- Removes, replaces, or adjusts steering and suspension components
- Aligns wheels

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	7,280	• Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be eligible to access employment
Duration	8000 Total Hours Approximately 4 years	• Apprentices may be engible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Compulsory	310Q	72411	N/A

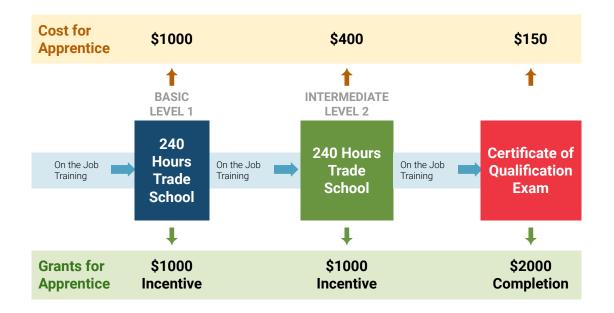
Auto Body Repairer

WHAT THEY DO:

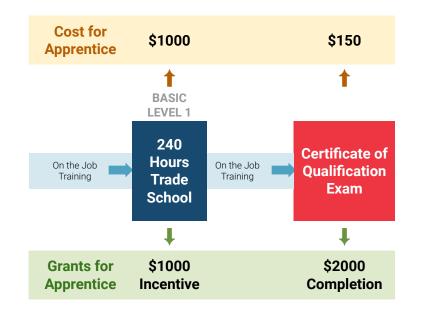
An Auto Body Repairer repairs the body of motor vehicles, motor coaches, trucks, or truck-trailers, including preparing vehicle for refinishing and repairing vehicle bodies and components. Specifically, an Auto Body Repairer:

- Repairs, reshapes, and refits body panels
- Welds breaks in body panels
- Shrinks and stretches metal panels
- Repairs dents and other surface damage

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS			
Total Hours On The Job	5,520	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or 			
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be eligible to access employment 			
Duration	6,000 Total Hours Approximately 4 years	• Apprentices may be engible to access employment insurance (EI)			
Pre-requisite	Grade 10				



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Motive Power	Non-Compulsory	410N	72411	CANADA		
Automotive Painter						
 An Automotive Painter works on the surface of motor vehicles and restores vehicle finishes, including removing exterior trim and hardware, matching colours, and mixing paints, and preparing surfaces for painting. Specifically, an Automotive Painter: Removes exterior trim and hardware Removes exterior trim and hardware Removes sub-coating Matches colours and mixes paints Prepares metal surfaces for painting by sanding and masking Applies primers, primer surfacers, clearcoats, and urethanes Cleans and polishes painted surfaces, including removing and replacing decals 						
	ITICESHIP DETAILS	IN-S(CHOOL TRAINING DET	AILS		
Total Hours On The Job	4,560		TDA, in-school training day release, part-time	5 ,		
Total Hours In-Class Training	240	 through an alternative delivery (online, etc.) Grants may be available for completion of in-scho training and apprenticeship completion 				
Duration	4,800 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employme insurance (EI) 				
Pre-requisite	Grade 12					



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Compulsory	310S	72410	CANADA

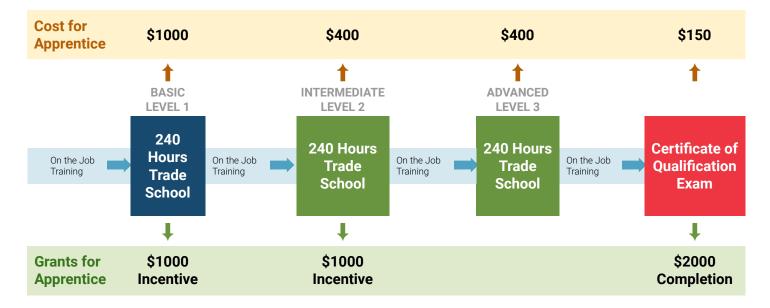
Automotive Service Technician

WHAT THEY DO:

An Automotive Service Technician (AST) performs preventative maintenance, diagnoses problems, and repairs vehicle systems in cars and light trucks. Specifically, an AST diagnoses and repairs:

- Engines, transmissions, clutches, rear ends, differentials, brakes, drive shafts, axles, and other assemblies
- Alignment of wheels, axles, frames, and steering mechanisms
- Suspension systems, including shock absorbers and spring assemblies
- Ignition, charging, and starting systems, panel instruments, wiring, and other electrical/electronic systems and equipment
- Fuel and engine management and emission control systems
- Air-conditioning, refrigeration, and heating systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,500	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	7220 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Non-Compulsory	421A	72401	CANADA

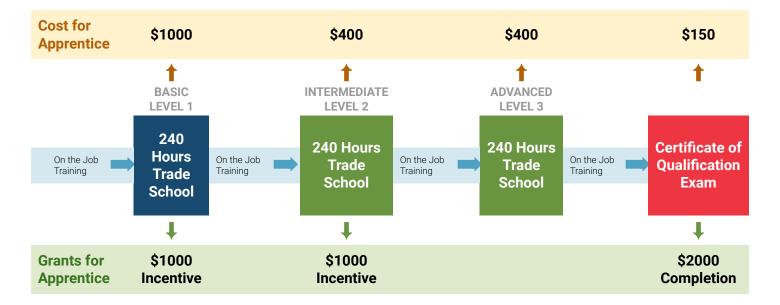
Heavy Duty Equipment Technician

WHAT THEY DO:

A Heavy Duty Equipment Technician inspects, diagnoses, troubleshoots, repairs, and verifies the repair of heavy duty equipment. They work on different types of heavy duty equipment such as draft shaft drive axle assemblies, final drive, structure components and accessories, tires, wheels, frames and undercarriages, and ground engaging equipment and attachments. Specifically, a Heavy Duty Equipment Technician:

- Inspects, identifies, diagnoses, troubleshoots, repairs, and modifies systems, components, accessories, and attachments (including checking for wear/damage/ defects/ problems, analysing performance and function, servicing, replacing, reprogramming, reconditioning, exchanging, adjusting, replacing, and aligning)
- Works on multiple systems such as: engines, fuel, electrical, hydrostatic and transmission, suspension, hydraulic, transmissions, and engine management, climate control, intake exhaust and emission control, steering, braking, drive, structural components, frames, and undercarriages, as well as ground engaging equipment
- Works in multiple sectors/industries such as mines, construction, forestry, marine, transportation, natural resources, and materials-handling

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	7,000 Total Hours Approximately 3.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Non-Compulsory	435B	72429	N/A

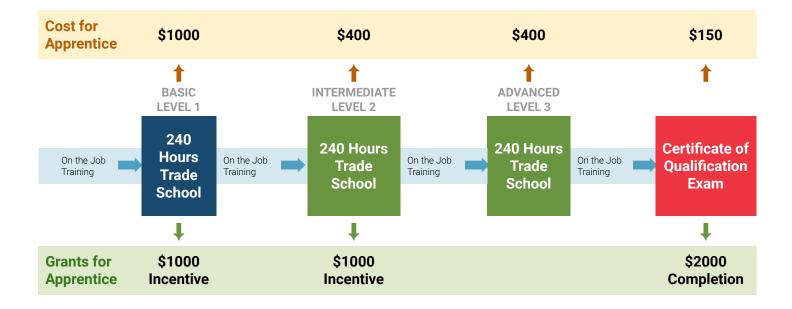
Marine Engine Technician

WHAT THEY DO:

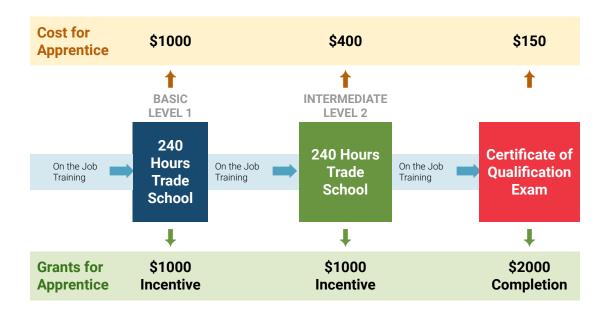
A Marine Engine Technician inspects, diagnoses, and repairs marine and watercraft systems including gasoline and diesel engines, fuel management systems, engine electrical systems, marine electrical, electronic and navigation systems, steering and hydraulic systems, drives, and propulsion systems. Specifically, a Marine Engine Technician:

- Performs pre-delivery inspection of marine engines
- Repairs electrical and electronic marine engine systems and engine fuel management systems
- Performs engine tune-ups and repairs engine systems
- Repairs hydraulic, drive, and propulsion systems
- Installs engine and propulsion systems
- Diagnoses problems in marine craft and boat handling equipment operation
- Winterizes marine craft systems and accessories

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4,280	• Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be aligible to appear ampleyment
Duration	5000 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal				
Motive Power	Compulsory	310G	72423	CANADA				
	Motorcycle Technician							
		WHAT THEY DO:						
systems trikes (th Prepares Perform Perform	 charging, starting, ignition, lighting and other electrical systems; cooling systems; chassis and steering systems; front and rear suspensions; braking and anti-lock systems; tires and wheels; sidecars and trikes (three-wheeled motorcycles) Prepares motorcycles for delivery Performs safety inspections Performs scheduled maintenance 							
APPREN	ITICESHIP DETAILS	111-51	CHOOL TRAINING DET	AILS				
Total Hours On The Job	5,520	block release,	TDA, in-school training day release, part-time	(night school) or				
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-scho training and apprenticeship completion Apprentices may be eligible to access employme 						
Duration	6,000 Total Hours Approximately 3.5 years	• Apprentices fi insurance (El)	55 employment					
Pre-requisite	Grade 12							



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Non-Compulsory	282E	72423	N/A

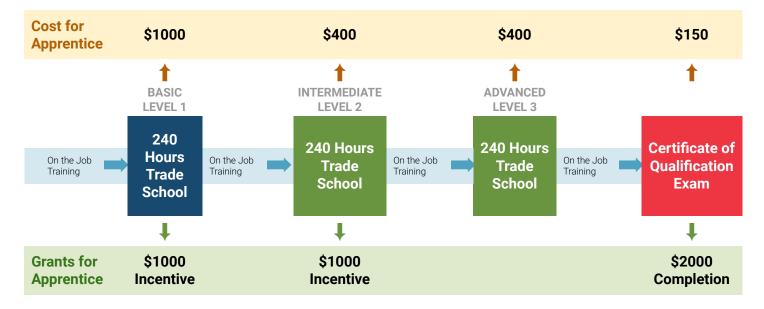
Powered Lift Truck Technician

WHAT THEY DO:

A Powered Lift Truck Technician inspects, diagnoses, and repairs lift truck equipment. Powered lift trucks are powered through electric motors or internal combustion engines designed to lift and transport material. Specifically, a Powered Lift Truck Technician:

- Inspects, diagnoses, and services powered lift truck systems, including: electrical, steering, braking, hydraulic, frames, transmissions, drive axles, suspension, and wheels and lifting systems pertaining to powered lift truck equipment
- Diagnoses and services drive units and control systems in electric vehicles
- Troubleshoots and repairs powered lift truck internal combustion engines
- Uses safety techniques for lifting, rigging, blocking, and lockout devices
- Operates hand, power, specialized, precision, and electronic service tools to make required repairs
- Prepares estimates, work plans, and communicates with customers on problems and repairs

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be aligible to appear ampleyment
Duration	7,000 Total Hours Approximately 3.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Non-Compulsory	690H	72423	CANADA

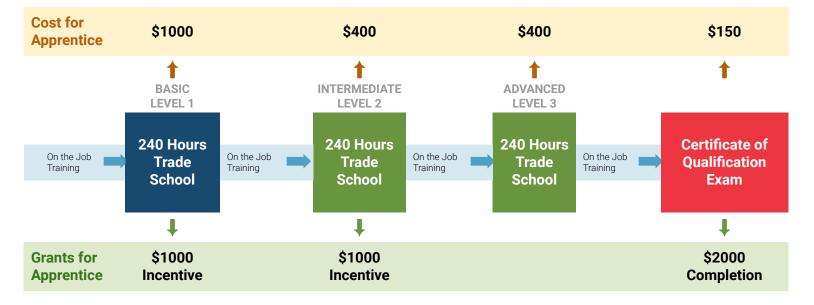
Recreation Vehicle Technician

WHAT THEY DO:

A Recreation Vehicle Technician works on the various systems and components of recreational vehicles, accommodation units, such as electrical, plumbing, propane gas, appliances, exterior and interior, structural frames, exterior and interior finishing components. They may work for dealerships, repair shops, manufacturers or may be self-employed. Specifically, a Recreation Vehicle Technician:

- Services, repairs, and maintains recreational vehicle systems such as: plumbing and gas, electrical and electronic, heating, refrigeration, and air-conditioning, hitching, towing and trailer braking unit, chassis, undercarriage and running gear, appliances, and accessories (including analysing performance and function, replacing, adjusting, cleaning, resetting, reprogramming, testing and verifying, recommending for service)
- Installs, services, repairs, tests and inspects the interior wiring, piping, exterior panels, interior cabinets, windows, doors, and accessories on the trailers or accommodation units of recreation vehicles (including analysing performance and function, replacing, adjusting, cleaning, resetting, reprogramming, testing and verifying, recommending for service)
- Estimates repair, replacement, and installation costs and completes job documentation
- Explains repair work and demonstrates operation of repaired system or component to customer's satisfaction

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or through
Total Hours In-Class Training	720	 an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	7,000 Total Hours Approximately 3.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Non-Compulsory	435A	72429	N/A

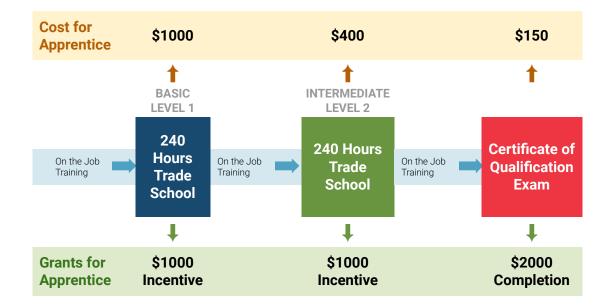
Small Engine Technician

WHAT THEY DO:

A Small Engine Technician diagnoses, repairs, and maintains, small-to medium-sized engine and engine-related systems for off-road vehicles and powered equipment. Specifically, a Small Engine Technician repairs and maintains off-road vehicles and powered equipment systems, including:

- Engine fuel management systems
- Engine electrical systems
- Frames, steering and suspension systems
- Transmission and auxiliary power systems
- Braking systems
- Compressed air supply systems and hydraulic systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4,520	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	5,000 Total Hours Approximately 2.5 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Compulsory	310D	72410	N/A

Transmission Technician

WHAT THEY DO:

A Transmission Technician inspects, maintains, repairs transmissions, and trans-axles on motor vehicles. Specifically, a Transmission Technician:

- Inspects, diagnoses and troubleshoots drive shaft and axle assemblies
- Repairs manual and automatic transmissions, transaxles, and components

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,000	 No in-school details available from Skilled Trades Ontario Exam Counselling Sheet Available
Total Hours In-Class Training	480	
Duration	6,480 Total Hours Approximately 3.5 years	
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Compulsory	310T	72410	CANADA
		_		

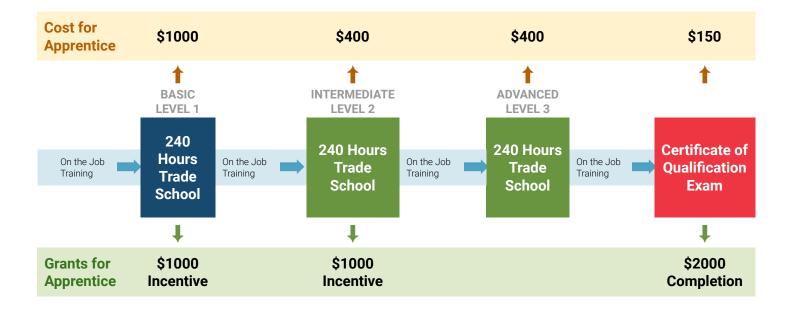
Truck and Coach Technician

WHAT THEY DO:

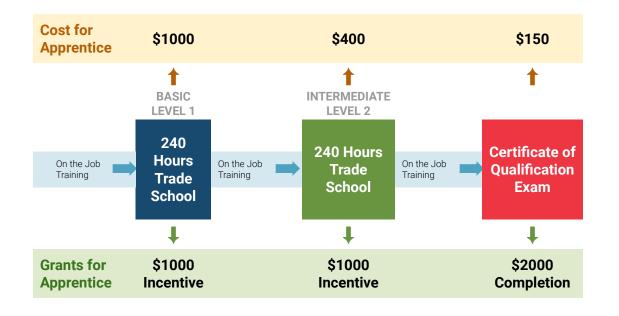
A Truck & Coach Technician inspects, repairs, and maintains commercial trucks, emergency vehicles, buses, and road transport vehicles by performing work on structural, mechanical, electrical, and electronic systems. Specifically, a Truck and Coach Technician inspects, repairs, and maintains:

- Electrical and electronic systems
- Engines including fuel, exhaust, intake, and emission controls
- Transmissions, clutches, drive shafts, and axles
- body and trim, frames and hitching/coupling systems
- steering, suspension, and computer control systems
- tires, wheels, and hubs
- braking systems including air supply and hydraulic, heating, ventilation, air-conditioning, and refrigeration systems

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,000	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be eligible to access employment
Duration	6,720 Total Hours Approximately 4 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Motive Power	Compulsory	310J	72410	CANADA		
Truck-Trailer Service Technician						
		WHAT THEY DO:				
 A Truck-Trailer Service Technician inspects, diagnoses, maintains, rebuilds, assembles, and repairs transport trailers connected to or moved by a power unit including flat decks, dry freight vans, refrigerated vans, tankers, converters, boosters, jeeps, pole trailers, steering dollies, dump trailers, and any other commercial pull-type units. Specifically, a Truck-Trailer Service Technician performs work on: Electrical systems Landing gear assemblies and trailer frames and bodies Hitching/coupling systems Suspension systems, tires, wheels, rims, hubs, and axles Air and auxiliary systems Braking systems and hydraulic systems Heating and refrigeration systems and ventilation devices 						
APPREN	TICESHIP DETAILS	IN-S	CHOOL TRAINING DET	AILS		
Total Hours On The Job	4,000		TDA, in-school training day release, part-time	- ·		
Total Hours In-Class Training	480	 block release, day release, part-time (night school through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be eligible to access employment insurance (EI) 				
Duration	4,480 Total Hours Approximately 2.5 years					



Pre-requisite

Grade 12

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Motive Power	Non-Compulsory	421C	72429	N/A

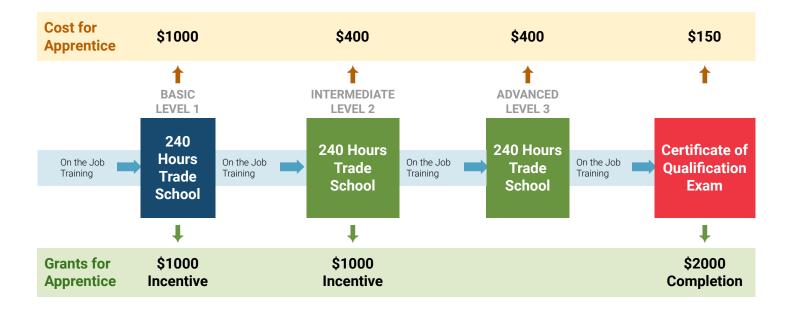
Turf Equipment Technician

WHAT THEY DO:

A Turf Equipment Technician diagnoses, maintains, and repairs mowing equipment, golf carts, traction units, small powered equipment, and tow-behind equipment. These technicians are employed at golf clubs and courses, equipment distributors and dealerships, equipment rental shops, provincial parks, sod farms, and municipal and other government agencies. Specifically, a Turf Equipment Technician:

- Sharpens and sets reel-type mowers
- Sets up and operates tow-behind equipment
- Services and maintains mowing equipment such as large and small tractors
- Services and maintains golf carts, sprayer equipment, traction units, and small-powered equipment
- Uses a variety of tools (hand and power) and shop equipment

APPREN	TICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,000	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion Apprentices may be eligible to access employment
Duration	5,270 Total Hours Approximately 3 years	• Apprentices may be engible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Service	Non-Compulsory	620B	42202	N/A		
Aboriginal Child Development Practitioner						
		WHAT THEY DO:				
	 An Aboriginal Child Development Practitioner: Plans, organizes, and implements activities for preschool children to encourage children in intellectual, physical, and emotional growth 					
			SCHOOL TRAINING DE			
Total Hours On The Job			of Training for this trac Ontario website.	le can be found on the		
Total Hours In-Class Training	Total Hours • There is no exam for this trade.					
Duration						
Pre-requisite	Grade 12					

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	640D	84120	N/A

Agricultural - Dairy Herdsperson

WHAT THEY DO:

An Agricultural – Dairy Herdsperson performs the following duties:

- Maintains the health, nutrition, and breeding of milk cows
- Works with milk processing and sterilizing equipment
- Operates and maintains barn mechanical and electrical systems and farm mechanical equipment
- Performs milking
- Performs feeding and watering
- Performs herd health procedures
- Performs routine herd maintenance
- Operates and maintains farm mechanical and electrical systems
- Operates and maintains farm mechanical equipment

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job		• The Curriculum Training Standard for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training		• There is no exam for this trade.
Duration		
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Service	Non-Compulsory	640F	80020	N/A			
	Agricultural - Fruit Grower						
		WHAT THEY DO:					
 Planting, cl fruit 	ruit Grower performs the fol ultivating, propagating, spray and maintaining mechanical	ring, irrigating, transpla					
APPRENT	ICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		on the Skilled	Trades Ontario website	r this trade can be found e.			
Total Hours In-Class Training	There is no exam for this trade.						
Duration							
Pre-requisite	Grade 12						

Sector						
	Type of Trade	Trade Code	NOC Code	Red Seal		
Service	Non-Compulsory	640S	84120	N/A		
Agricultural - Swine Herdsperson						
		WHAT THEY DO:				
Audit Proce Performs h Performs b Performs f Manages r Performs r	interprets Code of Practices edures, and veterinarian reco nerd health and comfort mai preeding/gestation procedure arrowing procedures nursery stock manure management proceo and maintains farm systems,	ommendations/prescri ntenance es dures	ptions	, , , , , , , , , , , , , , , , , , , ,		
	ind maintains farm mechani					
Operates a		cal equipment	SCHOOL TRAINING DE	TAILS		
Operates a	nd maintains farm mechani	equipment	SCHOOL TRAINING DE of Training for this trac Ontario website.			
Operates a APPRENT Total Hours On The Job Total Hours	nd maintains farm mechani	equipment	SCHOOL TRAINING DE of Training for this trac			
Operates a APPRENT Total Hours	nd maintains farm mechani	equipment	SCHOOL TRAINING DE of Training for this trac Ontario website.			

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	445A	72421	CANADA

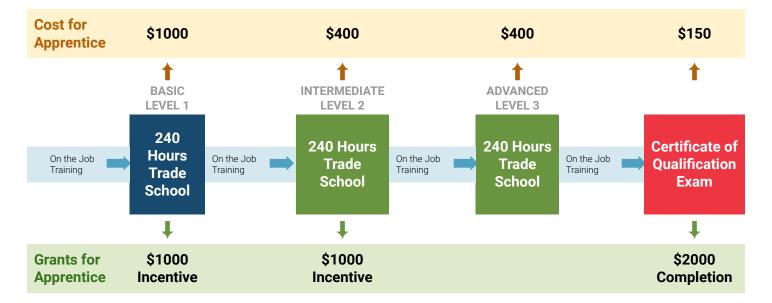
Appliance Service Technician

WHAT THEY DO:

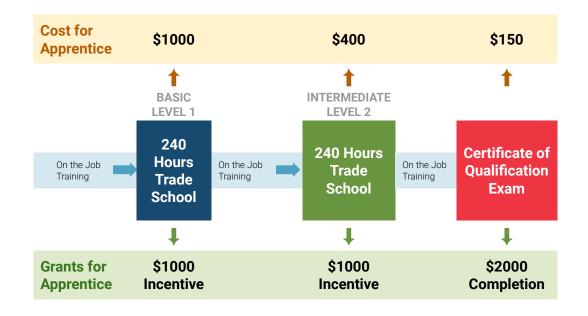
An Appliance Service Technician installs, assembles, disassembles, removes, services, repairs, maintains, and disposes of domestic appliances and electrical household products. Some examples include refrigerators, dishwashers, washers, dryers, and ovens. Specifically, an Appliance Service Technician:

- Performs work on multiple appliance and household product systems such as: electrical, electronic control and component, mechanical, water, air, and sealed
- Reads and interprets work orders and manufacturer's specifications, and follows service manual instructions
- Installs, services, and repairs appliances and household products including performing inspections, determining leaks and malfunctions, cleaning, lubricating, adjusting and aligning systems and components, verifying operation, and confirming electrical supply
- Uses specialized tools and methods to test, calibrate, adjust, and fabricate appliances, household products, their components and accessories
- Recovers existing refrigerant and transfers the gases into approved storage containers for disposal

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6,000 Total Hours Approximately 3 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	444A	22114	N/A
		Arborist		
		WHAT THEY DO:		
treatments for opt plants. Specifically • Transplant	ts, prunes, maintains and rer	pests, diseases, wounds	s, and defects that imp	
Identifies aImproves tEnhances	es and works at heights and treats diseases and pest the health and integrity of da soils by fertilizing, irrigating, dvice on trees and woody pl atives	maged trees and wood mulching and aerating	y plants	rcial and government
 Identifies a Improves t Enhances Provides a representa 	and treats diseases and pest the health and integrity of da soils by fertilizing, irrigating, dvice on trees and woody pl	maged trees and wood mulching and aerating ants with others includi	y plants	-
 Identifies a Improves t Enhances Provides a representa 	and treats diseases and pest the health and integrity of da soils by fertilizing, irrigating, dvice on trees and woody pl atives	Imaged trees and wood mulching and aerating ants with others includi IN-S • Depending on	y plants ng residential, comme	TAILS may be available in
 Identifies a Improves t Enhances Provides a representa APPRENT Total Hours On The Job Total Hours	and treats diseases and pest the health and integrity of da soils by fertilizing, irrigating, dvice on trees and woody pl atives FICESHIP DETAILS	Imaged trees and wood mulching and aerating ants with others includi IN-S Depending on block release, through an alte Grants may be	y plants ng residential, commen CHOOL TRAINING DE TDA, in-school training day release, part-time (ernative delivery (online available for completi	TAILS may be available in (night school) or
 Identifies a Improves t Enhances Provides a representa APPRENT Total Hours	and treats diseases and pest the health and integrity of da soils by fertilizing, irrigating, dvice on trees and woody pl atives FICESHIP DETAILS 5,340	IN-S Depending on block release, through an alte and apprentice	y plants ng residential, commen CHOOL TRAINING DE TDA, in-school training day release, part-time (ernative delivery (online	TAILS may be available in (night school) or e, etc.) on of in-school training



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	415B	63200	N/A

Assistant Cook

WHAT THEY DO:

An Assistant Cook prepares and cooks a wide range of foods for public consumption in various settings such as restaurants and hotels. Specifically, an Assistant Cook:

- Prepares, cooks, and assembles complete breakfasts
- Prepares short order dishes including hot and cold sandwiches
- Prepares stocks, soups and sauces, salads, dressings, vegetables, and desserts
- Uses a variety of preparation methods including roasting, deep-frying, poaching, sautéeing, braising, and grilling to prepare meats, poultry, and fish
- Practises safe work practices, hygiene, equipment handling, sanitation, and workplace safety

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2.640	• The Curriculum Training Standard for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	360	
Duration	3,000 Total Hours Approximately 3 years	
Pre-requisite	Grade 10	



Sector	Тур	e of Trade	Trade	Code	NOC Cod	e	Red Seal
Service	Non-0	Compulsory	42	23A	63202		N/A
			Ba	ker			
			WHAT 1	THEY DO:			
 Makes sav Finishes ar Prepares c Makes ice 	nts as well traight or s oury produ- nd decorate onfectional creams, so	as restaurants ponge dough, cts such as fill es cakes, prepa ry, specialty go rbets/sherbets	S. Specifically, a yeast-raised p led pies, pattie ares fillings, m bods, and dess s, gelatos, and	a Baker: astry, puff pa s, rolls, biscu ousses, saud serts for dieta other frozer	astry, and aerat uits, crackers, a ces, compotes, ary restrictions	ed products nd flat breads and glazes	
APPRENT	ICESHIP D	ETAILS		IN-S	CHOOL TRAIN	ING DETAILS	
Total Hours On The Job		5,280	 Depending on TDA, in-school training may be av block release, day release, part-time (night school 				
Total Hours In-Class Training		720	through an alternative delivery (online, etc.)Grants may be available for completion of in-so				
Duration		Total Hours mately 3 years	• Ap	 and apprenticeship completion Apprentices may be eligible to access employment insurance (El) 			loyment
Pre-requisite	G	rade 12					
Cost for Apprentice	\$1000		\$400		\$400		\$150
	BASIC LEVEL 1		INTERMEDIATE LEVEL 2	:	ADVANCED LEVEL 3		†
On the Job Training	240 Hours Trade School	On the Job Training	240 Hours Trade School	On the Job Training	240 Hours Trade School	On the Job Training	Certificate of Qualification Exam

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\$2000 Completion

Grants for Apprentice

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	423C	63202	CANADA

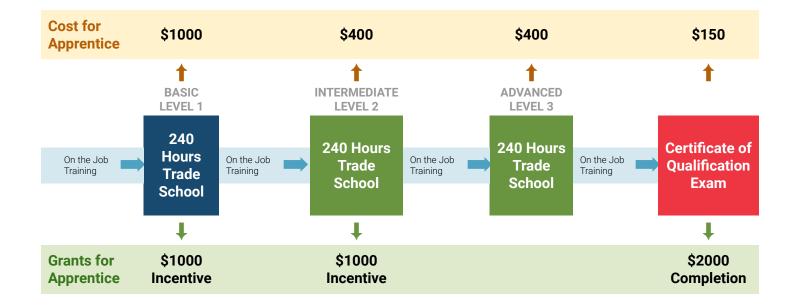
Baker-Patissier

WHAT THEY DO:

A Baker-Patissier prepares and bakes pies, tarts, squares, bread, rolls, cookies, cakes, and other items for commercial and retail establishments as well as restaurants. Specifically, a Baker-Patissier:

- Prepares straight or sponge dough, yeast-raised pastry, puff pastry, and aerated products
- Makes savoury products such as filled pies, patties, rolls, biscuits, crackers, and flat breads
- Finishes and decorates cakes, prepares fillings, mousses, sauces, compotes, and glazes
- Prepares confectionary, specialty goods, and desserts for dietary restrictions
- Makes ice creams, sorbets/sherbets, gelatos, and other frozen desserts
- Calculates raw product requirements to meet production demand and controls inventory

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,130	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	870	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	7,000 Total Hours Approximately 3.5 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	415C	62200	N/A
		Chef		
		WHAT THEY DO:		
 Demonstra safety, and 	ates knowledge of food p I the use of wines, liquors	ainment clubs, country cl preparation and presentat s, and spirits in cooking of Qualification in the tra	ion, menu management,	
APPRENT	TICESHIP DETAILS	IN	-SCHOOL TRAINING DE	TAILS
stal Haura		Doponding o	n TDA in cohool training	
		block release	n TDA, in-school training e, day release, part-time (may be available in night school) or
n The Job otal Hours		 block release through an a Grants may b 	e, day release, part-time (Iternative delivery (online pe available for completio	may be available in night school) or e, etc.)
n The Job otal Hours I-Class Training		 block release through an a Grants may b and apprenti Apprentices 	e, day release, part-time (Iternative delivery (online be available for completion ceship completion may be eligible to access	may be available in night school) or e, etc.) on of in-school trainin
n The Job otal Hours -Class Training uration	Grade 12	 block release through an a Grants may b and apprenti 	e, day release, part-time (Iternative delivery (online be available for completion ceship completion may be eligible to access	may be available in night school) or e, etc.) on of in-school trainin
n The Job otal Hours -Class Training uration	Grade 12	 block release through an a Grants may b and apprenti Apprentices 	e, day release, part-time (Iternative delivery (online be available for completion ceship completion may be eligible to access	may be available in night school) or e, etc.) on of in-school trainin
	<u> </u>	 block release through an a Grants may b and apprenti Apprentices insurance (El 	e, day release, part-time (Iternative delivery (online be available for completio ceship completion may be eligible to access I)	may be available in night school) or e, etc.) on of in-school trainin s employment

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	620A	42201	N/A

Child and Youth Worker

WHAT THEY DO:

A Child & Youth Worker works to improve the physical, emotional, intellectual, and social development of vulnerable children, youth, and families. They focus on the growth and development of children and youth based on direct, day-to-day work with children and youth in their environment and develop relationships with children, their families, their communities, and other inter-disciplinary team members. Specifically, a Child and Youth Worker:

- Maintains safe environments
- Promotes health and well-being
- Builds relationships
- Plans programs
- Applies intervention strategies
- Provides counselling and supports
- Works in an interdisciplinary team environment and communicates with other professionals
- Supports the needs of children, adolescents, and their families

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	6,240	• A Child and Youth Worker apprenticeship includes four levels of curriculum. You will find the Apprenticeship Curriculum
Total Hours In-Class Training	960	 Standard on the Skilled Trades Ontario website. Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Duration	7,200 Total Hours Approximately 4 years	 Grants may be available for completion of in-school training
Pre-requisite	Grade 12	 and apprenticeship completion Apprentices may be eligible to access employment insurance (El) The flowchart for Child and Youth Worker can be found on the Skilled Trades Ontario website.

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	620C	42202	N/A

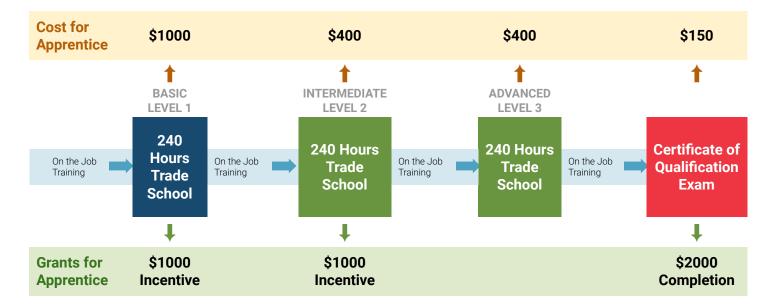
Child Development Practitioner

WHAT THEY DO:

A Child Development Practitioner (CDP) plans and implements age-appropriate service, supports, and programs for children that facilitate physical, social, emotional, and cognitive growth. CDPs deliver services in multiple settings, including, but not limited to, childcare centres/facilities, the preschool sections of hospitals and schools, and Ontario Early Years Centres. Specifically, a Child Development Practitioner:

- Practises and promotes health
- Fosters relationships with children
- Plans developmentally appropriate programs and supports emergent learning practices
- Cultivates family, cultural, and social relationships
- Applies intervention strategies
- Participates in a team environment with families, colleagues, community members, and support services providers
- Works in an interdisciplinary team environment and communicates with other professionals
- Practices professionalism and adheres to ethical standards

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,280	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6,000 Total Hours Approximately 3 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Service	Non-Compulsory	415A	63200	CANADA		
Cook						
		WHAT THEY DO:				
 A Cook prepares a wide range of foods for public consumption in various settings, for small or large groups or individual dishes in restaurants and test kitchens. Specifically, a Cook: Prepares, cooks, and assembles food such as meats, salads and dressings, soups, sauces, sandwiches, vegetables, desserts, pastries, baked foods, hot and cold buffets, and non-alcoholic beverages Creates specialty dishes and develops recipes Performs menu and nutrition planning, food costing, purchasing, scheduling and receiving deliveries, and checking product quality and quantity Estimates food, liquor, wine, and other beverage consumption to anticipate purchases or requisitions Practices according to food safety standards for hygiene, sanitation, and safety 						
APPRENT	ICESHIP DETAILS	I	N-SCHOOL TRAINING DE	TAILS		
Total Hours On The Job	5,280	training	renticeship includes two			
Total Hours In-Class Training	720	block releas	on TDA, in-school training se, day release, part-time alternative delivery (onlin	(night school) or		
Duration	6,000 Total Hours Approximately 3 years	Grants may and appren	be available for completi	ion of in-school training		
Pre-requisite	Grade 12	Apprentices insurance (s may be eligible to acces El)	s employment		
Cost for Apprentice	\$1000	\$400	\$400	\$150		
	BASIC LEVEL 1	TINTERMEDIATE LEVEL 2	ADVANCED LEVEL 3	1		
On the Job Training	240 Hours Trade School	240 Hours Trade School	240 Hours Trade School	ob Qualificate of Exam		

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Grants for

Apprentice

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\$2000 Completion

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	620D	42201	N/A

Developmental Services Worker

WHAT THEY DO:

A Developmental Services Worker supports people who have a developmental disability to realize their full potential. Developmental Services Workers are employed by organizations that provide support to individuals with special needs, including faith and culture-based agencies and by school boards to assist in the classroom. Specifically, a Developmental Services Worker assists people with developmental disabilities by:

- Promoting their adaptive skills
- Maintaining a safe environment
- Modelling and promoting a healthy lifestyle
- Assisting with medications
- Applying crisis prevention and intervention strategies
- Participating in the development and implementation of person-directed plans
- Supporting the individual in the development and maintenance of family, community, and other relationships

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	3,720	 Details on becoming a Developmental Services Worker can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	780	DSW Flowcart
Duration	4,500 Total Hours Approximately 2.5 years	
Pre-requisite	Grade 12	

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	620E	42202	N/A

Educational Assistant

WHAT THEY DO:

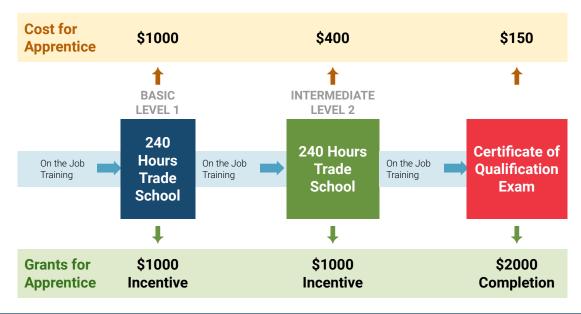
An Educational Assistant supports educators in working with students, including those with exceptional education needs to implement education, safety, and behaviour support plans. Develops intervention strategies to support successful student outcomes. Promotes a positive environment for learning and assisting with life and living skills development. Specifically, an Educational Assistant:

- Works with a team
- Assists in implementing the education plan
- Applies intervention strategies
- Creates a climate for learning
- Assists with life and living skills development
- Supports the student and the use of specialized equipment
- Demonstrates safe work practices and techniques
- Practices professionalism and ethics
- Utilizes reflective practice

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	2,268	• Details on the Educational Assistant curriculum can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	432	 There is no exam for this trade.
Duration	2,700 Total Hours Approximately 1.5 years	
Pre-requisite	Grade 12	

Contor	Turne of Trode	Trade Code	NOC Code	Red Seal				
Sector	Type of Trade	Trade Code		Red Seal				
Service	Compulsory	332A	63210	CANADA				
Hairstylist								
		WHAT THEY DO:						
 relaxing, and straightening. Specifically, a Hairstylist: Performs health, safety, and sanitization procedures Performs routine salon functions and service fundamentals Treats scalp and hair Cuts and styles hair Performs chemical treatments such as waving, relaxing, and straightening Performs colour services Works with wigs, hairpieces, and extensions 								
APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS						
Total Hours On The Job	3,020) may be available in (night school) or					
Total Hours In-Class Training	480	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school tand apprenticeship completion Apprentices may be eligible to access employment insurance (El) 						
Duration	3,500 Total Hours Approximately 2 years							
Pre-requisite	Grade 12							

Hairstylist is an Interprovincial Red Seal trade, but Ontario does not currently offer a Red Seal Endorsement. Candidates who complete the requirements of the Ontario Hairstylist apprenticeship program or qualify through our Trade Equivalency Assessment program and successfully challenge the Certification of Qualification exam, will receive a provincial Certificate of Qualification only.



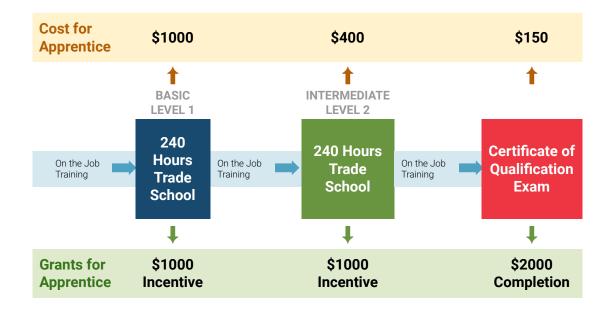
			_				
Sector	Type of Trade	Trade Code	NOC Code	Red Seal			
Service	Non-Compulsory	600H	841120	N/A			
Horse Groom							
		WHAT THEY DO:					
 Performs t Performs t Performs f Performs t Cleans sta 	grooming procedures acking-up of horse untacking of horse eeding procedures norse health maintenance pro Ils stable facilities, tools, equipn						
APPRENT	TICESHIP DETAILS	IN-	SCHOOL TRAINING DE	TAILS			
Total Hours On The Job		• The Schedule of Training for this trade can be four Skilled Trades Ontario website.		le can be found on the			
Total Hours In-Class Training		• There is no exam for this trade.					
Duration							

Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Service	Non-Compulsory	441C	22114	CANADA		
Horticultural Technician						
WHAT THEY DO:						

A Horticultural Technician grows, installs, and maintains indoor and outdoor plants, builds urban and rural landscapes, maintains outdoor properties, cares for turf grass and golf courses, and installs and maintains irrigation systems. Specifically, a Horticultural Technician:

- Grows plants using different propagation techniques
- Identifies nutrient requirements of plants, applies fertilizers, and monitors plants
- Transplants, installs, and prunes plants
- Analyzes plant watering requirements and installs and maintains irrigation systems
- Establishes and maintains turf grass
- Constructs landscapes according to drawings
- Controls plant pests and diseases using integrated pest management techniques
- Recycles waste materials

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,400	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6,120 Total Hours Approximately 2 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	634B	22221	N/A

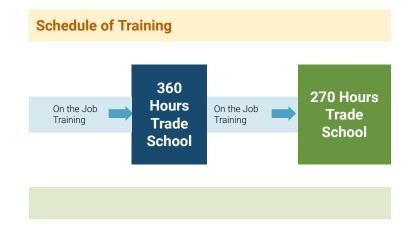
Information Technology - Hardware

WHAT THEY DO:

An Information Technology – Hardware Technician performs the following duties:

- Assembles, repairs, and upgrades microcomputer systems, components, and peripherals
- Installs operating systems and application software

APPRENT	ICESHIP DETAILS	IN-SCHOOL TRAINING DETAILS
Total Hours On The Job		• The Curriculum Training Standard for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	630	 There is no exam for this trade.
Duration		
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal		
Service	Non-Compulsory	634C	22221	N/A		
Information Technology - Network Technician						
		WHAT THEY DO:				
network Applies te 	onfigures, and maintains clier	ommunication, standard	ds, protocols, and inter	net working concepts		
APPREN	TICESHIP DETAILS	IN-S	SCHOOL TRAINING DE	TAILS		
Fotal Hours On The Job			<u>m Training Standard</u> fo Trades Ontario website	r this trade can be four e.		

	On the Job Training	360 Hours Trade School	On the Job Training	-	270 Hours Trade School
--	------------------------	---------------------------------	------------------------	---	------------------------------

Total Hours

Pre-requisite

Duration

In-Class Training

720

Grade 12

Schedule of Training

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	415D	63200	N/A

Institutional Cook

WHAT THEY DO:

An Institutional Cook prepares meals in both small and large quantities using bulk-cooking methods in conventional, cook chill, or cook freeze environments. An Institutional Cook prepares food to meet individual dietary needs, including health, religious needs, ethnic preferences, and budgetary requirements. An Institutional Cook may work in retirement or long-term care homes, hospitals, childcare centres, school dining areas, correctional facilities, and corporate environments. Specifically, an Institutional Cook:

- Prepares meals for special diets and understands nutritional restrictions and portion size to be served
- Uses standardized recipes and specialized equipment for modification techniques during food preparation to achieve the prescribed or recommended textures and viscosity
- Prepares and cooks meats, poultry, and seafood
- Prepares stock, soups, and sauces from scratch or convenience
- Prepares and assembles complete breakfasts, sandwiches, salads, and dressings
- Prepares baked goods, pastries, desserts, and vegetables
- Is knowledgeable about weights and measures, hygiene, equipment handling, sanitation, and workplace safety

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	3,600	• The Curriculum Training Standard for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	360	
Duration	3,960 Total Hours Approximately 2 years	
Pre-requisite	Grade 12	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	631A	72205	N/A

Network Cabling Specialist

WHAT THEY DO:

A Network Cabling Specialist installs, tests, labels, and maintains low voltage communication distribution systems and signal sources to the terminal or equipment at the end of distribution systems, which comprise the architecture that supports voice, video, and data transmissions within industrial, commercial, institutional, and office complexes. Specifically, a Network Cabling Specialist:

- Plans and prepares for installations
- Performs cable installations using hand and power tools
- Installs cable support infrastructure
- Terminates and splices inside and outside plant cables
- Performs labelling, testing, and documentation of installations
- Performs networking installations
- Troubleshoots cable systems
- Develops and maintains positive client relations

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	4,000	• The Curriculum Training Standard for this trade can be found on the Skilled Trades Ontario website.
Total Hours In-Class Training	600	
Duration	4,600 Total Hours Approximately 2.5 years	
Pre-requisite	Grade 12	



d Seal
CANADA

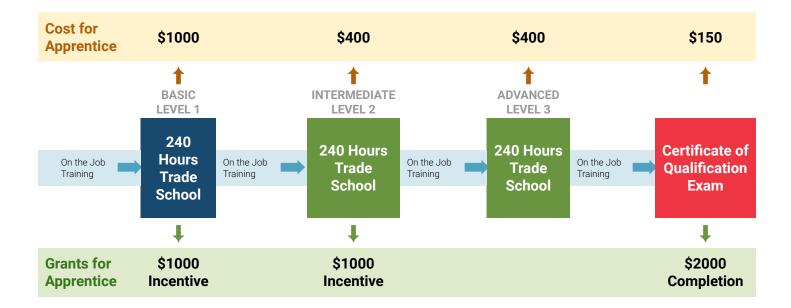
Painter and Decorator - Commercial and Residential

WHAT THEY DO:

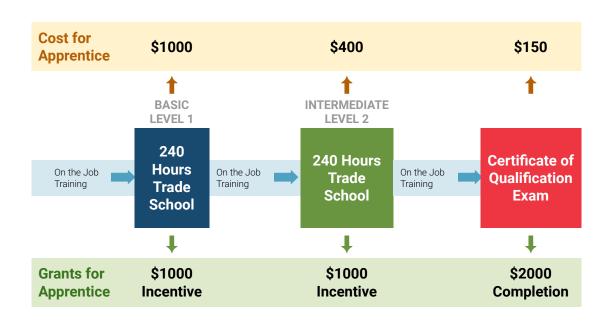
A Painter and Decorator — Commercial & Residential applies decorative and protective finishes in residential, commercial, and institutional settings. Specifically, a Painter and Decorator — Commercial and Residential:

- Reads specifications to determine quantities of materials required
- Prepares and cleans surfaces using methods such as scraping, sanding, sandblasting, hydro-blasting, and steamcleaning
- Mixes coatings according to manufacturer's specifications
- Applies coatings using brushes, rollers, or spray equipment
- Practices quality control
- Assembles and erects scaffolding, swing stages, and other access equipment

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5280	• Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	720	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6000 Total Hours Approximately 3 years	 Apprentices may be eligible to access employment insurance (EI)
Pre-requisite	Grade 10	



Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	240P	14401	CANADA
	Part	s Techni	cian	
		WHAT THEY DO:		
 Identifies a Orders, rec assemblies 	exchanges and returns	semblies	d prices and sells supp	lies, parts, and
	records	1		
APPRENT	TICESHIP DETAILS	IN-5	SCHOOL TRAINING DE	TAILS
otal Hours		Depending on	SCHOOL TRAINING DE TDA, in-school training day release, part-time (may be available in
APPRENT Total Hours On The Job Total Hours n-Class Training	ICESHIP DETAILS	 Depending on block release, through an alte Grants may be 	TDA, in-school training	may be available in night school) or e, etc.)



Pre-requisite

Grade 12

Sector	Type of Trade	Trade Code	NOC Code	Red Seal
Service	Non-Compulsory	444B	22114	N/A

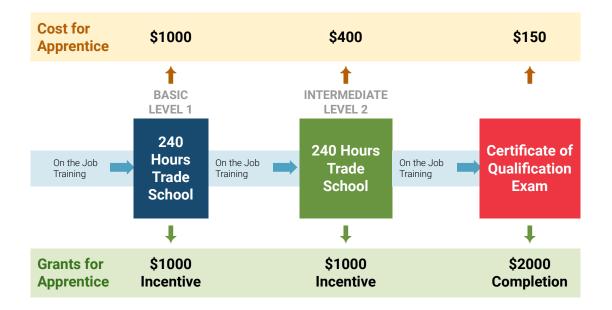
Utility Arborist

WHAT THEY DO:

A Utility Arborist prunes, rigs, or moves tree branches and woody vegetation that is in proximity or could contact any electrical apparatus. A Utility Arborist uses climbing techniques, climbing systems, and mechanized equipment to work at heights in urban, rural, and off-road locations. Specifically, a Utility Arborist:

- Removes dangerous trees using industry-approved techniques
- Conducts condition assessments within the electrical system rights of ways to determine the work to be completed
- Secures authorization to perform work, including from the general public, utility customers, government agencies, first nations communities, and landowner associations
- Uses different types of on- and off-road aerial devices to work at heights in urban, rural, and off-road locations
- Operates on- and off-road equipment such as snow machines, all-terrain vehicles, and large tracked aerial devices for work that is away from main highways
- Works with herbicides to control vegetation

APPRENTICESHIP DETAILS		IN-SCHOOL TRAINING DETAILS
Total Hours On The Job	5,340	 Depending on TDA, in-school training may be available in block release, day release, part-time (night school) or
Total Hours In-Class Training	660	 through an alternative delivery (online, etc.) Grants may be available for completion of in-school training and apprenticeship completion
Duration	6,000 Total Hours Approximately 3 years	 Apprentices may be eligible to access employment insurance (El)
Pre-requisite	Grade 12	





Serving Bruce Grey Huron Perth

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CONTRIBUTING PARTNERS



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