

2020



Apprenticeship in Manufacturing

Fabricating the Future:
Building Tomorrow's Manufacturing Workforce



Manufacturing is thriving in the London Economic Region, helping grow our economy and providing ample job opportunities. As more companies build production facilities in the London region in the years ahead, the role of manufacturing in local employment will continue to grow.

There's never been a better time to consider a career in manufacturing. Learn more about what jobs in manufacturing have to offer through this series of 5 modules:

1. Manufacturing: It's Made for You
2. Essential Skills for Manufacturing
3. Apprenticeship in Manufacturing
4. Manufacturing Job Postings
5. Dinner Is Served: An Introduction to Food Processing



This curriculum was produced by Literacy Link South Central. For questions about it or what adult literacy programs have to offer, please contact LLSC at (519) 681-7307 or visit www.llsc.on.ca



The development of this curriculum was funded by the Elgin Middlesex Oxford Workforce Planning and Development Board. For questions about local labour market information and tools, please contact the Planning Board at (519) 672-3499 or visit www.workforcedevelopment.ca



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

Objectives

By completing this module, you will learn:

- What apprenticeship is
- Some of the apprenticeship opportunities that exist in a manufacturing environment
- Different apprenticeships that are available in the four sectors (Construction, Industrial, Motive Power and Service)



“An apprenticeship is a pathway to a rewarding career in the trades. As an apprentice, you take classes and learn your trade by working under the direction of experienced workers – and get paid while you do it.”

Source: Government of Ontario (<https://www.ontario.ca/page/apprenticeship-ontario>)

Introduction

After you've gained skills and knowledge from working in the manufacturing industry, you might want to specialize in one of the many activities that you see happening at your workplace.

Maybe you see someone welding pieces of metal back together. Maybe you see someone punching codes into some of the robotic machines. Jobs like these are a very necessary part of the manufacturing industry. Although you might not need to be certified to do these jobs, you might want to consider specializing so that you can prepare yourself for future positions that require this certification.

Did you know that there could be government financial support to help you do this? The process to become certified is called "Apprenticeship."

Apprenticeship is a formal type of education where you learn both in class and while at work. You can learn and earn at the same time. The Ontario government offers financial rewards and supports to people who become apprentices and to those who employ or sponsor an apprentice.



What Apprenticeship Might Interest You?

There are many skilled trades you can apprentice to learn here in Ontario. Three of them are:

- Tool and Die Maker
- General Machinist
- Industrial Mechanic Millwright

The Government of Ontario introduces each of these three skilled trades by asking some questions about peoples' interests.

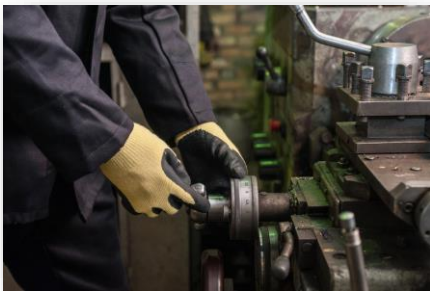
Question: Are you into the latest gadgets, machines, tools and technology?

The trades of **Industrial Mechanic Millwright** and **Construction Millwright** might be for you. Millwrights install and ensure that construction and/or mechanical equipment works and stays working.

Some of the skills involved in this job include understanding different pressure systems and using cutting-edge robotics, machinery and equipment to test equipment.



Question: Are you a detail-oriented, visual person with a great understanding of blueprints and diagrams?



You might be great as a **Tool and Die Maker** or a **General Machinist**. These two specialty trades help create the parts and tools for manufacturing.

They both involve extreme attention to detail, metalwork, and understanding of complex machinery and precision tools.

Activity 1

The Ontario College of Trades website offers an overview of what you will learn on the job and in class if you choose an apprenticeship as a Tool and Die Maker, a General Machinist or as an Industrial Mechanic Millwright.

Below, the link to each overview has been provided. Take time to read about what each apprenticeship involves and consider which position is the most interesting.

Tool and Die Maker

<https://www.collegeoftrades.ca/wp-content/uploads/Tool-and-Die.pdf>

General Machinist

<https://www.collegeoftrades.ca/wp-content/uploads/General-Machinist.pdf>

Industrial Mechanic Millwright

<https://www.collegeoftrades.ca/wp-content/uploads/Industrial-Mechanic-Millwright.pdf>

Which of the 3 career choices sounds most interesting to you? _____

Why did this interest you? _____

The Local Jobs Hub



The **Local Jobs Hub** is an online job search tool that has been developed by the Elgin Middlesex Oxford Workforce Planning and Development Board. This online tool helps to match job seekers to local employers.

When employers post on any of the most popular job posting websites, the Local Jobs Hub site automatically finds the listing and posts it on its own website. This is a great place to find job listings in the London Economic Region (London/Middlesex, Oxford and Elgin).

A screenshot of the Local Jobs Hub website. The top navigation bar includes the Workforce Planning & Development Board logo (WPDB), the Ontario logo, and menu items: ABOUT, JOBS HUB FAQ, RESOURCES, and BLOG. Below the navigation bar, a blue banner contains four main menu items: "EXPLORE CAREER PATHS" with the Local Jobs HUB Careers logo, "REGIONAL JOB LISTINGS" with the Local Jobs HUB logo, "REGIONAL JOB MAP" with the Local Jobs HUB Maps logo, and "LABOUR MARKET INFORMATION" with the worktrends.ca logo. A small text note below the logos states: "This project is funded in part by the Government of Canada and the Government of Ontario."

Activity 2

1. Find the Local Jobs Hub at this website: workforcedevelopment.ca.
2. Click the button called “Regional Job Listings.”
3. In the search window on the left, type the name of the career choice that you said you found most interesting (Tool and Die Maker, General Machinist or Industrial Mechanic Millwright).
4. Find a job posting related to that career.
5. Read the job posting.

Find the answers to the following questions:

What is the name of the position? _____

Does the job description reflect what you read in the previous exercise? _____

What was the same? _____

What was different? _____

What are two activities you would be doing if you got this job?

1. _____

2. _____

What are two skills you need to do this job?

1. _____

2. _____

What is one additional skill that might help you to get this job? _____

What is the rate of pay? _____

Is it full-time or part-time work? _____

What education do you need? _____

What credentials do you need? _____

What questions do you still have about this position? _____

Employment Services

If you're unsure if a job is a good fit for you, or you don't know how to move forward in your job search, there are **free** services to help you.



The provincially funded employment services offered through *Employment Ontario* can help guide you through the job search process.

You can find a local service by going to the *Employment Ontario* website:

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

There's a live chat function on the website, so you can get an answer right away (live chat is available between 8:30 a.m. and 5 p.m., Monday to Friday).

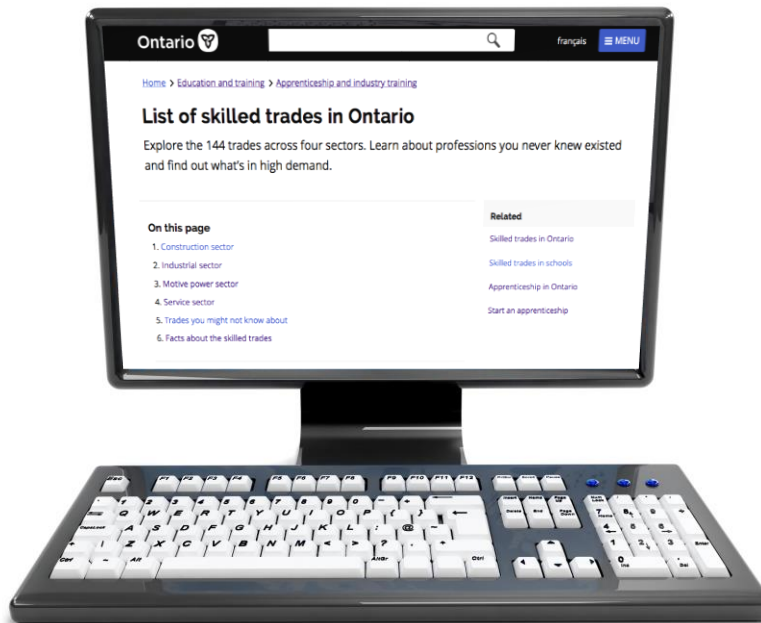


About Apprenticeship in Ontario

Up to this point, maybe you weren't interested in any of the careers that you've been exploring. Did you know that there are over 100 different jobs that could be supported through an apprenticeship?

Apprenticeships fall under these four sectors:

1. Construction
2. Industrial
3. Motive Power
4. Service



The Government of Ontario's website profiles all the jobs that could be considered an apprenticeship. They have the jobs listed under each of the four sectors.

Activity 3

Go to the Government of Ontario’s Skilled Trades website:

<https://www.ontario.ca/page/list-skilled-trades-ontario>

Find three different types of jobs in each sector and write their names in the space provided:

Construction	
Industrial	
Motive Power	
Service Sector	

Did You Know?

In the London Economic Region, there is a group of service providers ready to help you to understand the Apprenticeship system and to guide you through this career choice.

Find out more about “The Apprenticeship Network” at theapprenticeshipnetwork.com

Reflection

Do you know:

- What apprenticeship is?
- Some of the apprenticeship opportunities that exist in a manufacturing environment?
- Different apprenticeships that are available in the four sectors (Construction, Industrial, Motive Power and Service)?