



CNC MACHINIST [Level 1] SELECTION AND LEARNING PROGRAM

OVERVIEW OF THE PROGRAM

Job Opportunities For CNC Machinists In Manufacturing

This program bridges the gap between employers with skilled job vacancies for CNC Machinists and job seekers lacking sufficient skills for this job who want to acquire these skills and pursue a rewarding career.

WBLC has conducted extensive consultations and held in-person meetings with more than 35 CNC machining companies in the advanced manufacturing sector (aerospace, automotive, tool/die/mold, robotics, etc.) in the GTA. They report a severe shortage of experienced, skilled people to fill CNC machinist job vacancies and expect this situation to continue, and perhaps worsen, as many current employees will retire in the next few years. With these companies alone, the estimated demand for CNC Machinists is over 500 over the next several years.

The innovative WBLC CNC MACHINIST [Level 1] SELECTION AND LEARNING PROGRAM was developed in conjunction with the advanced manufacturing industry. Graduates of this program will have the following benefits:

- The program is built with and recognized by the advanced manufacturing sector
- The program is well designed to meet the job requirements of a CNC Machinist [Level 1]
- Trainees are supported throughout the program by a Monitor/Coach
- Trainees that are selected will have over 90% probability of being certified as a CNC Machinist [Level 1]
- Trainees that complete the program and stay in the industry have greater long-term job opportunities

Selection

We have developed a rigorous screening process that is being administered by the Manpower Group, a global staffing services firm with significant operations in Ontario. If selected for an interview with a participating firm, you can feel confident that we believe you have the aptitude and capability to complete the program.

As an Applicant, you will be considered for the position of CNC Machinist [Level 1]. However, the participating firms have the final say in whom they employ.

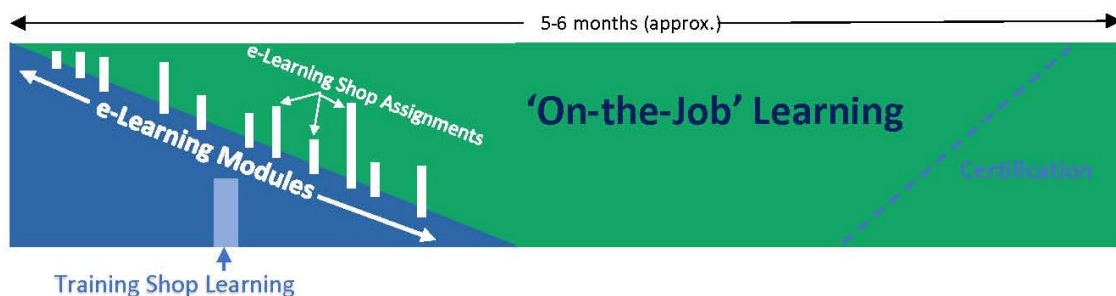
Once hired, you will be an employee of the firm and will start to receive a pay cheque!

DETAILS OF THE PROGRAM

Program Snapshot

The program is a blended learning program that includes e-learning, shop floor learning, online meetings, training shop learning, and access to trainers and coaches. Over 6 months, you will have the opportunity to learn all about CNC machining, including:

Week 1 Orientation Welcome To E-Learning Introduction To CNC Machining	Week 2 Mathematics	Week 3 Work Documents Blueprints, Work Orders, and Quality Assurance
Daily Work Experience At Employer ♦ Weekly Online Discussion With Instructor ♦ Regular Visits By Coach		
Week 4 Measurement, Cutting, and Hand Tools	Week 5 Measurement, Cutting, and Hand Tools Materials Used In CNC Machining	Week 6 Exam 1
Daily Work Experience At Employer ♦ Weekly Online Discussion With Instructor ♦ Regular Visits By Coach		
Week 7 CNC Machines / Milling	Week 8 CNC Machines / Turning	Week 9 CNC Machines / Controllers
Daily Work Experience At Employer ♦ Weekly Online Discussion With Instructor ♦ Regular Visits By Coach		
Week 10 Training Shop + Exam 2	Weeks 11 – 24 Shop Floor Learning	Weeks 25-26 Certification / Graduation
Daily Work Experience At Employer ♦ Regular Visits By Coach		



Orientation

You will begin the program with a one-day orientation where you will meet your Monitor / Coaches and the rest of the trainees in the program. You will learn about the Technical Learning Outcomes for the program, start your e-learning program, and have a tour of a CNC Machining facility.

Shop Floor Learning

You will start working at your employer on Day 2 of the program. A Trainer / Facilitator will guide you and provide you with tasks to do everyday. Your trainer will review the Technical Learning Outcomes with you and be responsible for making sure you are completing them by the end of the training period.

E-Learning

While you are working, you will study the CNC Machinist [Level 1] e-learning program. This is a comprehensive multimedia program developed to teach you the knowledge you require to become competent in the Technical Learning Outcomes defined for the program.

Shop Floor Assignments

Within the e-learning program, you will be assigned shop floor assignments. These assignments give you tasks to complete to reinforce the e-learning.

Weekly Online Sessions With Instructor

You will attend a weekly online meeting with a CNC Instructor and the other trainees. At this session you will be discussing what you have learned in the past week and be given group challenges to complete.

Training Shop

In the third month of the program, you will attend a 3 day session in the CNC Training Shop where you will get practical hands-on experience on a CNC mill and CNC lathe.

Quizzes, Tests, and Exams

In the e-learning program, there are quizzes, tests, and exams that will be administered. Quizzes are scored, but do not count to your final mark – they are more to help your learning. There will be a test at the end of every module. There will be two exams in the program. The passing grade for tests and exams is 70%.

Monitor / Coaches

You will have access to a Monitor/Coach.

Your Monitor/Coach will visit you and your Trainer at your work site from time to time. The Monitor/Coach will help you as needed. You should feel comfortable at any time asking for assistance. They are committed to providing you with all the support needed to be certified.

Certification

At the end of successful completion of the program, you will be certified as a **CNC Machinist (Level 1)**.

Certification is a public statement that you have passed and are highly qualified to perform specified duties – in this case, those of a CNC Machinist (Level 1). The certification process consists of the following components:

- Your successful passing of tests administered during the orientation and classroom training
- Demonstrating that you can operate and produce parts/items as per work orders or approved drawings while meeting all required quality standards and scrap standards. This outcome will be assessed by having the assessor visiting your firm and observing you operating a variety of CNC machines.
- Demonstrating your knowledge of general manufacturing technical practices and procedures and knowledge of CNC specific technical work practices by completing an on-line examination.

The certification will be issued by the Work Based Learning Consortium and over time will be accepted by employers as evidence of your capability and expertise.

Decision Time

This program has been designed and developed to:

- assist advanced manufacturing companies hire individuals with the capabilities to succeed in the job
- provide individuals who want a career in manufacturing an opportunity to be successful.

You now need to decide if a career in manufacturing is what you want to do in life. If accepted, you will have the opportunity to earn a competitive wage while being trained.

Further, if accepted, you need to understand that you will be treated as a responsible adult. Our expectations are twofold:

For your employer, we expect you to:

- be punctual
- have an open mind to learning everything on the shop floor
- work hard and apply new skills to whatever tasks are given
- show curiosity and ask questions as needed, and
- **always work safely**

For your learning, we expect you to:

- follow the e-learning schedule to complete modules
- do the shop floor assignments
- attend the weekly online sessions with your peers
- attend the Training Shop session
- do the tests / exams in a timely manner

In doing so, you will have made a career decision that marks you as a CERTIFIED CNC MACHINIST (LEVEL 1) at the conclusion of the program. WELL DONE!

To apply, go to: www.workbasedlearning.ca/cncmjobseekers and hit APPLY NOW