

# LIUNA!

## LOCAL 183

### Training Centre

## PROGRAM GUIDE

September 2018 - June 2019

[www.183training.com](http://www.183training.com)

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## Message from the **BUSINESS MANAGER**

Dear Brothers and Sisters

LiUNA Local 183 continues to remain one of the strongest construction Unions in North America and the LiUNA Local 183 Training Centre's ability to train a membership which is already one of the most advanced, highly skilled and versatile workforces in the construction industry, is a testament to the great work being done across our five specialized training campuses in Toronto, Vaughan, Cobourg, Barrie, Kingston and soon to be Cambridge.

The number one priority of the Union's Executive Board and our entire Training Centre Board of Trustees, remains having our members arrive home safely each and every night after a hard day's work.

We encourage all of our members to maintain all of their health and safety certifications, not only the provincially mandated programs, but health and safety training specific to the sector they may be working in. In addition, members are encouraged to connect with the Training Centre to inquire which skills upgrading programs are available and how they may enroll and participate.

In closing, I would like to thank the staff of the Training Centre for their ongoing dedication in providing some of the best health and safety, skills and apprenticeship programs in North America.

In Solidarity,

Jack Oliveira  
Business Manager, LiUNA Local 183



## Message from the EXECUTIVE DIRECTOR

The LiUNA Local 183 Training Centre is proud to launch its 2018-2019 Program Guide.

We continue to offer a vast number of comprehensive construction skills and apprenticeship programs, covering the many sectors of the construction industry. We recommend to our membership that they continue to upgrade their skills and we ask for your assistance and leadership when interacting with young men and women, encouraging them to explore a career in construction.

The membership of LiUNA Local 183 is by far the number one source of promotion for the Training Centre. We continue to look for ways to continue improving our service to the membership of LiUNA Local 183 and we thank you for your ongoing support and continued dedication, in providing a safer work environment for the entire construction industry.

In Solidarity,

Sandro Pinto  
Executive Director, LiUNA Local 183 Training Centre

# WHO WE ARE

## WHO IS LIUNA LOCAL 183?

LiUNA Local 183 is the largest construction union local in North America, representing more than 53,000 construction workers across the Greater Toronto Area. LiUNA Local 183 members work in all major industries of construction including; Low and High Rise Residential Construction, Sewer and Water Main, Road Construction, Concrete and Drain, Bridge Building, Pipeline Construction, Railroad Construction, Landscaping, Utilities, Tiles, House Framing just to name a few.

## WHAT IS THE LIUNA LOCAL 183 TRAINING CENTRE?

The LiUNA Local 183 Training Centre provides Apprenticeship Training, Construction Skills Training and Health and Safety Training from 5 Key Campus sites: Vaughan, Cobourg, Toronto, Barrie and Kingston.

The LiUNA Local 183 Training Centre is dedicated to providing the most comprehensive training programs to apprentices and members. Our goal is to provide every trainee with the highest standard of skills and safety training. As a new era begins for the LiUNA Local 183 Training Centre, we see ourselves embracing new technologies and methods of training delivery. We provide training that includes the use of new materials, tools and techniques that are making their way onto the job sites, or are already present in the day to day work that our members perform. Our hands-on training is meant to simulate a true construction sector setting to ensure that contractors receive workers who are competent and productive.

Through our apprenticeship programs we recruit and train the future workforce for our contractor partners. We pride ourselves on delivering the most extensive health and safety courses to ensure the safety of each and every one of our trainees and members. Being proactive to the health and safety needs of the industry is central to our goal of delivering the best training available. At the LiUNA Local 183 Training Centre, we want each and every member and trainee to take pride in their training and our Training Centre.

# OUR CAMPUSES

## TORONTO TRAINING CENTRE

1263 Wilson Avenue, Suite 301  
Toronto, ON M3M 3G2  
Tel: (416) 242-7551  
Fax: (416) 242-7785



## VAUGHAN TRAINING CENTRE

8700 Huntington Road  
Vaughan, ON L4H 3T3  
Tel: (416) 242-7551  
Fax: (416) 242-7785



## BARRIE TRAINING CENTRE

64 Saunders Road  
Barrie, ON L4N 9A8  
Toll Free: 1 (888) 378-1183  
Tel: (705) 735-9890  
Fax: (705) 735-3479



## COBOURG TRAINING CENTRE

560 Dodge Street  
Cobourg, ON K9A 4K5  
Tel: (905) 372-1183  
Fax: (905) 372-7488



## KINGSTON TRAINING CENTRE

145 Dalton Avenue, Unit 1  
Kingston, ON K7K 6C2  
Tel: (613) 542-5350  
Fax: (613) 542-2781



# TRAINING & RECRUITMENT PROCESS

In order to be considered for acceptance into any of our programs the following criteria should be met:

## FOR APPRENTICESHIP PROGRAMS:

In order to apply for the Apprenticeship programs, the trainee/member must be at least 18 years of age and have completed their grade 10 education; transcripts will be required. The trainee/member must have a valid Ontario Driver's License (G or G2) and access to a vehicle, along with a valid Social Insurance Number and a provincially accepted piece of identification noting their date of birth. Work experience in the construction sector will be a definite asset. Please note that the trainee/member will be required to complete a pre-sceneing aptitude test and achieve a mark of at least 70%.

## FOR CONSTRUCTION SKILLS PROGRAMS:

In order to apply for the Construction Skills programs, the trainee/member must be at least 18 years of age and must have a valid Ontario Driver's License (G or G2). Work experience in the construction sector will be a definite asset.

## OTHER REQUIREMENTS FOR POTENTIAL ACCEPTANCE INTO ANY OF OUR PROGRAMS:

The trainee/member should be eager to develop new skills and show initiative in all aspects of the program. There must be a willingness to work outdoors and/or perform physically demanding work. Excellent communication and listening skills are required in order to interact with your peers and instructors. The trainee/member should be able to work as a part of a team and/or independently. A strong work ethic and a positive attitude will help the trainee/member excel in their day to day workload. Lastly, the trainee/member should be well organized, punctual and reliable.

## HOW TO APPLY:

The trainee/member can apply either in person at our Toronto Administration Office located at 1263 Wilson Avenue, Suite 301, East Wing Toronto, Ontario or online by visiting our website at [www.183training.com](http://www.183training.com). If you are a member of LiUNA Local 183 there is no cost for any of these programs, if you are not a member and would like to inquire on the cost of a program please call our Administration Office at (416) 242-7551.

\* Please note that members of the LiUNA Local 183 will receive priority for all courses.

# INNOVATIVE TRAINING

## LiUNA Local 183 Training Centre Mobile Training Classroom (MTC)

The Mobile Training Classroom (MTC) is available to employers who wish to schedule health and safety training on their work site. The MTC is fully furnished with a classroom, audio/video equipment, heating and air conditioning and a separate power supply. Employers may schedule training for up to 14 people at a time with the convenience of having the training come to the job site. Members can simply walk into the training classroom and receive health and safety training in programs such as Workplace Hazardous Materials Information Systems (W.H.M.I.S.), Traffic Control, Occupational Health and Safety Awareness (O.H.S.A.), Working at Heights and many more. The Mobile Training Classroom can also be seen at various career and trade days the Training Centre attends and other promotional events like Local 183 Family Day and Annual Charity Golf Tournament. The Training Centre encourages all of our employer partners to take advantage of the LiUNA Local 183 Training Centre's Mobile Training Classroom.

## Member and Employer Login

### *MEMBER LOGIN*

The Member Login is where members of LiUNA Local 183 can access their current training record from just about anywhere. The information provided through the login, assists our members in ensuring that they are up to date on their health and safety training and therefore, are working safely on the job. The portal can be accessed through our website: [www.183training.com](http://www.183training.com), click on **MEMBER LOGIN**. Follow the steps for log in (Member Number will be required), a current training record will be displayed. If updated training is required you can submit an application online indicating the course you require or call our office at (416) 242-7551 to book an appointment. It's that easy!

### *EMPLOYER LOGIN*

The LiUNA Local 183 Training Centre Employer Login is available to assist our Employer Partners in gaining access to their workers' training records. This will assist employers' in ensuring that their employees possess the proper health and safety certification to work, as well as, contribute to safer overall working conditions on the job site. In order for an employer to gain access to the login, they must contact our Administrative Office at (416) 242-7551 ext. 2303 or email at [helena.guedes@183training.com](mailto:helena.guedes@183training.com) to register for a user name and password. Once the employer is registered the portal can be accessed through our website: [www.183training.com](http://www.183training.com), click on **EMPLOYER LOGIN**. Follow the steps for log in to verify a training record you will require the employee's Social Insurance Number. A current training record will be displayed and can be printed for record keeping. Should it be determined that an employee requires updated training, they are advised to fill out an application online or call our office at (416) 242-7551 to book an appointment. Should multiple registrations for a health and safety course be required, employers' must contact our scheduler at (416) 242-7551 Ext. 2307 to register employees for training.

# INNOVATIVE TRAINING

## Apprentice Portal

The Training Centre was pleased to launch our Apprenticeship Portal earlier this year. Apprentices and trainees that successfully complete our apprenticeship or construction skills programs will be granted access to this portal where they can indicate their availability for work placement. Work placement will be tied to the specific program that they completed. Availability status needs to be updated every 30 days and is the responsibility of the apprentice or trainee. This portal is only for those apprentices or trainees that successfully complete one of our training programs.

How to access the portal noted below:

- Access to the portal is on the home page of our website in the upper right corner
- Trainees will then need to enter their username and password as directed on the log in page
- You can then set your availability which must be updated every 30 days

The screenshot shows the homepage of the LiUNA! Local 183 Training Centre website. The browser address bar shows '183training.com'. The navigation menu includes 'ABOUT', 'APPRENTICESHIP', 'CONSTRUCTION SKILLS', 'HEALTH & SAFETY', 'NEWS & EVENTS', and 'STRATEGIC PARTNERSHIPS'. The 'APPRENTICESHIP' menu item is highlighted. A search bar is located at the top left of the page. A blue callout box points to the 'APPRENTICESHIP' link in the navigation menu, stating: 'New Apprentices would log into the Portal from the unique link on the Public Website'. The main content area features a large image of construction workers in safety gear, with the text 'WE ARE EXCELLENCE IN TRAINING' overlaid. Below this text is a search bar with the placeholder text 'Search for a training course' and a 'SEARCH' button.

# INNOVATIVE TRAINING

## Apprentice Portal Cont'd

member.183training.com/SignIn?returnUrl=%2F

**LiUNA!** LOCAL 183 Training Centre | Apprentice Portal [Sign In](#)

### Apprentice Portal

To login to the APPRENTICE PORTAL, please use your LIUNA Local 183 Training Centre APPRENTICE NUMBER (ST-12345) provided to you.

The default password is 'portal'—you will be prompted to change it once you log in for the first time.

Please contact the Training Centre at 416-242-7551 or [info@183training.com](mailto:info@183training.com) for any questions.

[Click here to go to the LiUNA Local 183 Training Centre Website.](#)

**PLEASE NOTE: This Portal is for APPRENTICE TRAINEES ONLY; Apprentice Job Rate may apply. See footer for details**

### Sign In

Username

Password

Remember me?

[Sign In](#) [Forgot Your Password?](#)

### Locate Your Apprentice Number

Your APPRENTICE Number is located on the LIUNA Local 183 Training Centre Student Card issued to you under 'ID NUMBER'

**LiUNA!** LOCAL 183 Training Centre  
1303 White Ave., Suite 101, East York, Toronto, ON M3B 3K2

First Name: \_\_\_\_\_  
Last Name: \_\_\_\_\_  
Book #: \_\_\_\_\_  
Card Issued: \_\_\_\_\_  
ID Number: ST-14876

*[Signature]*  
Record of Training

We warrant that the apprentice named above has completed the necessary application to the Union in accordance with the Occupational Health and Safety Act and Regulations.

The Apprentice Portal is a database to track and remain in contact with Apprentice Trainees that are looking for placement after completion of their Program. The LiUNA Local 183 Training Centre acts as a liaison between the Union, Employer and Apprentice, however it in no way guarantees job placement.

\* Please note that this portal is to maintain contact with apprentices and trainees that are available for employment, and assist them in liaising with the Union, however it does not guarantee job placement.

# WORKING AT HEIGHTS REFRESHER

## Working at Heights Refresher (WHSC) - 4 Hours

This program for construction workers is based on the requirements of the new Ministry of Labour (MOL) training program standard. This half day program is divided into two sessions, a one and a half hour basic theory review session and a two and a half hour working at heights practical equipment review session that includes a practicum. Class size is limited to twelve participants. Due to the nature of the Hazards and required standards both written and practicum are required.

*\* Each participant must score a 75% to pass and receive a record of training card (ROT).*

In the first session Basic Theory, participants will learn:

- The roles and responsibilities of the employer, supervisor and worker, including the worker's right to refuse unsafe work
- The regulations that address fall hazards, fall protection equipment and working at heights projects
- Working at heights hazards and the hierarchy of controls to protect workers
- Safe work procedures and plans to identify and control working at heights hazards
- Review on ladders
- Selection, inspection and positioning requirement for barriers
- The distinctions between and use of travel restraint
- Fall restricting and fall arrest system and the basic components of each system (setup, use, maintenance and storage of travel restraint and fall arrest system)
- The use of bump lines, barriers, guardrails and safety nets to determine fall distance to prevent a worker from striking the ground or object below the work level
- The health effects of bottoming out,
- The pendulum effect and suspension trauma on the body once the fall arrest system has been initiated

In the second session Practical Equipment Use, participants get a hands-on demonstration of fall protection equipment and systems. Topic addressed in the module include:

- Regulatory requirements and procedures for the use of bump lines, barriers, guardrails and safety net regulations
- Use, inspection, limitations, storage and procedures for travel restraint, fall restricting and all arrest systems
- Use of vertical, horizontal and retractable lifelines.
- Set up and use of rope grabs for both fall arrest and ladder use
- Determining correct anchor points
- Regulations and procedures for safe use of anchor points
- Procedures to maintain tie-off including when changing anchor points
- Elevating work platforms and scaffolds
- Key components of a fall rescue plan and emergency procedures

*\*Please note this is not a complete list of topics for the program.*

# APPRENTICESHIP PROGRAMS

## Construction Craft Worker Apprenticeship

The Construction Craft Worker (CCW) Apprenticeship is an extremely versatile program that offers the trainee the capacity to work in a variety of sectors and construction fields. Our program covers a broad base of skills including form setting, scaffolding, and concrete placement skills. Some of the tasks completed by a CCW trainee include, erecting and dismantling concrete forms, scaffolding, ramps, catwalks, shoring and barricades required at construction sites. They mix, pour and spread materials such as, concrete and asphalt. They may assist with demolition, remove rubble and other debris from a site and operate various power tools, machines and other equipment as directed.

Construction Craft Workers work on a wide variety of structures such as, residential, commercial and industrial buildings, as well as, hydroelectric dams, roadways, bridges and railways. With experience, Construction Craft Workers who complete additional training may specialize in many different areas of construction. This can include operating off road vehicles, drilling and blasting, diving and tunnelling.

Key attributes for workers in this trade are mechanical aptitude, manual dexterity and an ability to perform hard physical work. Organizational, leadership and blueprint reading skills are an asset for anyone wanting to progress in this trade.

This Apprenticeship has two (2) in class levels which are eight (8) weeks in length and is a Red Seal Trade.

## Program Delivery Dates

### Vaughan Campus

- CCW Level 1 - January 7 to March 1, 2019
- CCW Level 2 - January 7 to March 8, 2019  
(Includes Red Seal Exam Prep)
- CCW Level 2 - January 14 to March 15, 2019  
(Includes Red Seal Exam Prep)
- CCW Level 1 - May 20 to July 12, 2019

### Cobourg Campus

- CCW Level 1 - September 10 to November 2, 2018
- CCW Level 2 - January 14 to March 15, 2019  
(Includes Red Seal Exam Prep)
- CCW Level 1 - May 6 to June 28, 2019

### Barrie Campus

- CCW Level 1 - September 10 to November 2, 2018
- CCW Level 2 - January 28 to March 29, 2019  
(Includes Red Seal Exam Prep)

### Kingston Campus

- CCW Level 1 - November 19, 2018 to January 16, 2019
- CCW Level 2 - January 28 to March 29, 2019  
(Includes Red Seal Exam Prep)

# APPRENTICESHIP PROGRAMS

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## Brick and Stone Mason Apprenticeship

A Brick and Stone Mason is also known as a Bricklayer. A Bricklayer prepares and lays brick, concrete blocks, stone and structural tiles and other masonry units as well as repair walls, partitions, patios, arches, paved surfaces, fireplaces and chimneys. Some of the duties that the trainees will perform during their apprenticeship includes laying brick, stone, concrete blocks, structural tiles and other masonry in residential, commercial and/or industrial settings. They learn to cut and trim bricks and concrete blocks as well as, construct, install and/or repair various structures including wall, arches, paved surfaces, floors, fireplaces, chimneys and smokestacks. They will learn to lay brick and other masonry for the purpose of building patios, garden walls and other decorative installations. Bricklayers use wheelbarrows and forklifts to transport materials. They use hand and power tools to cut and trim masonry units to required size. Trowels are used to spread mortar which bonds layers of masonry units together. Measuring and layout tools like plumb line and levels are used to ensure proper alignment.

Key attributes for people interested in this trade are mental dexterity, mechanical aptitude, the ability to problem solve and think sequentially, as well as, possessing the ability to work at heights. Bricklaying is physically demanding work and requires considerable effort in lifting heavy materials, climbing, bending, kneeling and working on scaffolding.

This Apprenticeship has three (3) in class levels which are eight (8) weeks in length and is a Red Seal Trade.

## Program Delivery Dates

### Vaughan Campus

- Brick and Stone Level 3 - January 7 to March 8, 2019 (Includes Red Seal Exam Prep)
- Brick and Stone Level 3 - March 11 to May 10, 2019 (Includes Red Seal Exam Prep)

### Barrie Campus

- Brick and Stone Level 2 - September 10 to November 2, 2018

### Cobourg Campus

- Brick and Stone Level 2 - March 11 to May 3, 2019

# APPRENTICESHIP PROGRAMS

## Cement Finisher Apprenticeship

In our Cement Finisher Apprenticeship, trainees will learn how to place, finish and protect concrete surfaces. Cement Finishers work on a wide variety of vertical and horizontal surfaces and structures such as, concrete floors, wall, sidewalks, stairs, driveways, curbs, gutters, dams, bridges and tunnels. They also texture, chip, grind, and cure finished concrete work and are responsible for repair and restoration of damaged concrete.

They apply various finishes to concrete surfaces such as, architectural, exposed, acid-stained, patterned, stamped, broomed finish overlays and smooth finishes. They install expansion joints and edge concrete services, and install fixtures such as, anchor bolts, steel plates and doors sills. They may also apply membranes and waterproofing products to concrete. Cement Finishers must possess a sound knowledge of the properties of various types of concrete and how mixes, proportions and additives affect concrete strength, setting and curing times, finishes and durability. Materials that Cement Finishers work with include concrete, grout, site-cured plastics, exotics, epoxies, polyurethanes and acrylic.

Cement Finishers work in the construction sector in both indoor and outdoor conditions. Outdoor work is weather-dependent and there may be less work available in the winter. Conversely, overtime work is often required when the weather demands it.

This Apprenticeship has two (2) in class levels which are each eight (8) week in length and is a Red Seal Trade.

## Program Delivery Dates

### Vaughan Campus

- Cement Finisher Level 2 - March 25 to May 17, 2019
- Cement Finisher Level 1 - May 27 to July 19, 2019

# CONSTRUCTION SKILLS PROGRAMS

## Asphalt Worker

The Asphalt Worker program provides hands on training in the placement, spreading, raking, as well as, compaction of asphalt materials. Safety issues pertaining to working with asphalt are also covered; these include burns, fumes, chemicals and heat stress. Trainees are introduced to the properties, uses and mix designs of asphalt and the equipment and tools used in paving operations. Placement methods are shown in detail, as well as, repair and patching, clean up and maintenance. Working on an asphalt crew is a demanding job. The worker must be able to work hard and long hours, however, this effort can also be accompanied with great rewards. Participants should have a good understanding of basic construction math.

## Program Delivery Dates

### Vaughan Campus

- Asphalt - March 18 to April 26, 2019

## Demolition Worker

This program will provide trainees with an overall understanding of the Demolition Sector. Beginning with the history and development of the Demolition Sector and continuing into course content on the knowledge of commonly used methods and techniques. Providing an overview of controlled demolition for both conventional and special structures with an emphasis on safety planning and procedures is also included in the course.

The program will provide trainees with a basic understanding of the regulations, tools, equipment and techniques used throughout this field in both theoretical and hands-on experience. The trainees will be exposed to Torch Cutting (practicing the use of the torch to cut scrap metal of different types and thicknesses) at both heights and ground level. There will also be work on Power Elevating Work Platforms (practice exercises using the Boom and Scissor Lift), and Skid Steer (practical exercises such as moving a load, load bin and use of hydraulic breaker). Also included are courses in Electrical Hazard Awareness, Power Actuated Tools, Demolition Site Hazard Analysis, Quick Cut Safety Saw and many more.

## Program Delivery Dates

### Cobourg Campus

- Demolition - November 19 to December 14, 2018

# CONSTRUCTION SKILLS PROGRAMS

## High Rise Forming

The High Rise Construction Sector consists of various trades all working on one building. The LiUNA Local 183 Training Centre's High Rise Forming program allows trainees to work on a dedicated high rise structure designed specifically for this program which has been made to simulate a true to life work site experience. Form Setters build the walls and floors that make up the main structure of the building.

Trainees in this program are exposed to "Fly Forms" as well as many other tasks specific to this sector. It will also include working with bracing and forming materials, and additional construction materials specific to this sector. Work in this sector does involve heights as possible exposure to high winds, as well as, cold temperatures. The High Rise Form Setter program has quickly become one of the most popular programs that the LiUNA Local 183 Training Centre has to offer.

## Program Delivery Dates

### Vaughan Campus

- High Rise Forming - October 8 to November 30, 2018
- High Rise Forming - April 1 to May 24, 2019

## House Framing

Wood Framing continues to be one of the most common methods used to build homes in Canada. The LiUNA Local 183 Training Centre offers an 8 week hands-on program which allows trainees to build the framework of a two story detached home from the ground up inside our facility. Trainees will learn to build exterior load bearing walls, interior walls (partitions), floors, and learn all appropriate calculations involved when framing a home. As in all of our skills programs, Health and safety is at the forefront of this program and is a significant part of the curriculum.

If you enjoy working in a field that allows you to be creative with your mind as well as, your hands then our House Framing program may be the program for you!

## Program Delivery Dates

### Vaughan Campus

- House Framing - September 17 to November 9, 2018
- House Framing - January 14 to March 8, 2019
- House Framing - May 13 to July 5, 2019

# CONSTRUCTION SKILLS PROGRAMS

## Welding

Welders permanently join pieces of metal together by applying heat, using the filler metal or fusion process. They join parts being manufactured, build structures and repair damages or worn parts. They use various welding and cutting processes to join structural steel and cut metal vessels, piping and other components. They also fabricate parts, tools, machines and equipment used in the Construction and/or Manufacturing Industries. Welders may specialize in certain types of welding such as, custom fabrication, ship building and repair, aerospace, pressure vessel, pipeline, structural welding and machinery and equipment repair.

Welders require attributes such as, good mechanical ability, manual dexterity, good vision, excellent hand-eye coordination, the ability to concentrate in detail work as a part of a team. They also require the ability to work quickly and accurately, visualize a finished product, reason logically and understand metallurgy. Occupational hazards in this trade include sparks, gases, hazardous fumes, burns, heavy lifting, exposure to ultra-violet light and infra-red rays, working at heights, working in confined spaces and in trenches. With experience, welders may advance to positions such as, Welding Inspector, Lead Hand or Welding Supervisor.

## Program Delivery Dates

### Vaughan Campus

- Welding (Day) - January 7 to February 15, 2019
- Welding (Night) - January 7 to March 29, 2019
- Welding (Day) - March 4 to April 12, 2019
- Welding (Night) - April 15 to July 5, 2019
- Welding (Day) - April 22 to May 31, 2019
- Welding (Night) - TBD
- Welding (Day) - TBD

# CONSTRUCTION SKILLS PROGRAMS

## Concrete and Drain

In this four week program offered by the LiUNA Local 183 Training Centre, trainees will be taught the industry standard techniques used to install sanitary drainage systems including traps and clean outs. They will also learn types of pipes and fittings needed to complete both sanitary and storm sewer systems. Trainees will practice steps for proper grading, concrete pouring and placement, as well as, cement finishing techniques. Work will also include forming of staircases, porches, sills and installation of reinforcement steel to strengthen concrete.

Upon successful completion of this training, trainees can apply their skills in the Concrete and Drain Sector (Residential, High Rise and ICI) or anywhere drain pipe layers and concrete finishers are needed. Trainees are taught the importance of health and safety on the job site throughout the program. Included in the program curriculum are a variety of health and safety courses such as W.H.M.I.S., Working at Heights, Traffic Control, Personal Protective Equipment, Standard First Aid and many more.

## Program Delivery Dates

### Vaughan Campus

- Concrete and Drain - March 25 to April 26, 2019

## Bridge Construction

The Training Centre offers a Bridge Construction program where trainees will learn to construct and install footing forms by establishing starting points and learning to cut and install side boards, as well as, aligning and supporting forms. Trainees will learn how to install spreaders and ties on various structures. The Heavy Civil Sector represents some of the following areas of construction; bridge building, subway and tunnel work. The program will also encompass the erection of columns and piers, construction of ramps, runways, building beams, the building of bridge abutments and girders. Trainees will learn to use tube and clamp scaffolding to perform their work. This work mostly takes place outdoors and working at heights is required.

## Program Delivery Dates

### Vaughan Campus

- Bridge Construction - April 15 to May 24, 2019

### Cobourg Campus

- Bridge Construction - March 18 to April 26, 2019
- Bridge Construction - May 6 to June 14, 2019

# CONSTRUCTION SKILLS PROGRAMS

## High Rise Rodman

In the High Rise Rodman program trainees will learn to cut, bend, lay out and place reinforcing steel rods, welded wire fabric and composite materials in a wide variety of poured concrete products and structures such buildings, highways, bridges, stadiums and towers. Rodman workers pre-assemble reinforcing material by laying it out and connecting sub-assemblies on the ground prior to final placement. They position, align and secure components according to drawings, using a variety of methods. They also place and stress various post-tensioning systems in structures such as, parking garages, bridges and stadiums where longer unsupported spans are required. After placing post-tensioning systems they stress the tendons to predetermined specifications using hydraulic jacks and pumps.

High Rise Rodman workers generally work outside in all weather, and some work indoors in manufacturing plants or underground work sites. Work sites may be in a variety of locations ranging from remote areas where they could be working on dams, bridges or mining projects to urban environments where they could work on high rise buildings, parking garages, transit systems, tunnels or stadiums.

This type of work requires considerable amount of standing, bending, crawling, lifting, climbing, pulling and reaching and is often conducted in cramped, confined spaces or at heights. Hazards of this type of work would include injury from electrocution, falls or falling objects. Inclement weather can shut down projects for extended periods which may result in overtime work in order to meet deadlines. Team coordination is a large component of the occupation especially when hoisting and placing large heavy components high above the ground.

## Program Delivery Dates

### Vaughan Campus

- High Rise Rodman - October 29 to November 16, 2018
- High Rise Rodman - April 22 to May 10, 2019

# CONSTRUCTION SKILLS PROGRAMS

## Landscaping

In the Landscaping program trainees will learn various aspects of landscaping such as surveying, interlocking brick and basic blueprint reading. Landscapers construct and maintain gardens, parks, golf courses and other landscape environment. In addition, they advise clients on issues related to horticulture and landscape construction. They can be self-employed or employed by landscape designers, architects and contractors, lawn service, tree care establishments, recreation facilities, nurseries, and greenhouses just to name a few.

Landscaping skills are utilized throughout the construction industry. Some landscapers specialize in areas such as landscape design, construction and maintenance of greenhouses, sodding and nursery production. Landscapers require good communication skills to coordinate and facilitate work with clients, coworkers and other trades. They also require strong analytical and organizational skills.

Employment in this trade is quite often seasonal with long hours in the summer months. Much of this work is done outdoors, while indoor work may involve greenhouse production, interior landscaping and sales of plants, landscape materials and supplies. The work may be strenuous and may involve activities such as lifting, climbing and bending

## Program Delivery Dates

### Vaughan Campus

- Landscaping - May 13 to June 21, 2019

## Residential Handyman

The Residential Handyman program is tailored to suit the needs of those wanting to learn the fundamentals of various trades. Trainees will be exposed to plastering, kitchen fitting, bathroom installation, minor tile replacement and some basic carpentry. The program will cover taping, caulking and sanding areas requiring preparation for various treatments such as priming or sealing. Furthermore, the trainee will learn general painting and decorating as a part of this program. This program is important to our Membership as the role of a Handyman in the Residential Sector is high in demand.

## Program Delivery Dates

### Vaughan Campus

- Residential Handyman - February 18 to April 5, 2019
- Residential Handyman - April 29 to June 14, 2019

# CONSTRUCTION SKILLS PROGRAMS

## Road Construction

The LiUNA Local 183 Training Centre Road Construction program has been one of the Centre's signature programs and has run successfully over the last 15 years. During the program, trainees cover many areas of this sector, including but not limited to, general labour, curb machine operation, maintenance, as well as, concrete forming and finishing. Sidewalk, curb construction and finishing techniques are all covered in the program. Instructors provide real life scenarios during the hands-on training portion of the program. Health and Safety courses such as W.H.M.I.S., Traffic Control, House Keeping and Personal Protective Equipment (PPE) are also covered in this program.

The Roads sector is primarily a seasonal one and extremely busy during the peak months of late spring and throughout the summer. Work in this sector could also lead to a position as a General Labourer, Rake Man or Curb Machine Operator. Workers work outdoors and jobs may include sidewalk construction, patch work, parking lots, bridges, roads and highways, just to name a few.

## Program Delivery Dates

### Vaughan Campus

- Road Construction - January 28 to March 8, 2019

## Utilities

The LiUNA Local 183 Training Centre offers a Utilities program which exposes trainees to work in many aspects of the Utility Sector. In this hands-on program trainees will work on rebuilding existing, as well as, new cable chambers. This type of work involves exposure to high voltage, therefore trainees should be aware of this prior to starting the program. They will work on street light projects, pole bases torpedo shots (trench less technology), hydro and communication fields as well.

Training will also include work in day light which is exposing cable prior to digging with equipment. Training in this field can lead to work with many utility companies in the Greater Toronto Area. Most of the work in the Utility Sector is outdoors and is done all year round.

## Program Delivery Dates

### Vaughan Campus

- Utilities- April 22 to May 31, 2019

# CONSTRUCTION SKILLS PROGRAMS

## GPS Surveying

The GPS/Surveying program gives workers who are performing layout duties for contractors an opportunity to learn the latest in technology and bring their skills up to date. This program would apply to the Roads, High Rise and Sewer and Water Main Sector.

### Program Delivery Dates

#### Vaughan Campus

- GPS - January 28 to February 15, 2019
- GPS - February 18 to March 8, 2019
- GPS (Day/Evening - Based on demand) - TBD



## Tile Setting

The Tile Setting program will focus on installing tiles in the Residential Sector. As the industry changes, evolves and new types of adhesives and tiles are used, the demand to train the existing workforce on new materials increases. It is necessary for the Training Centre to ensure that the demand for trained workers in this sector is met.

### Program Delivery Dates

#### Vaughan Campus

- Tile - September 24 to November 30, 2018
- Tile - April 8 to June 14, 2019



## Low Rise Forming

The Low Rise Forming program focuses on building the foundation of residential homes. This is one of the most physically demanding sectors in construction. With changing technologies and the use of different forming structures, up to date training for our members is required.

### Program Delivery Dates

#### Vaughan Campus

- Low Rise Forming - April 15 to May 10, 2019

# CONSTRUCTION SKILLS PROGRAMS

## Residential Trim

To coincide with the economic growth in the High Rise Construction Sector, a Residential Trim program has been added to the program guide. This program has been developed based on a need expressed to the Training Centre by our employer partners.

Members working in this sector need to be updated on new technologies and techniques relevant to their jobs. The program will cover topics such as, installing casing, baseboards, related hardware and understanding the difference and usage of various high rise trim materials.

## Program Delivery Dates

### Vaughan Campus

- Residential Trim - March 18 to May 3, 2019



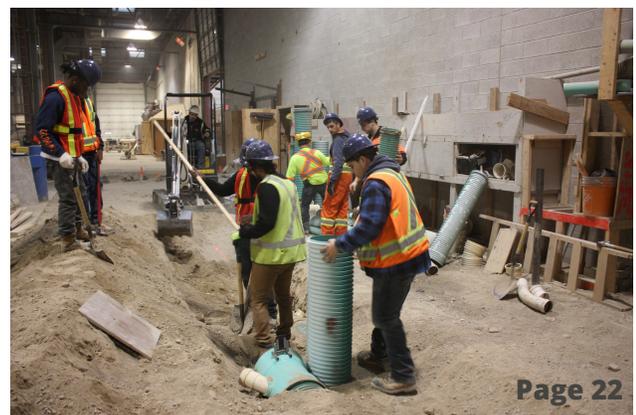
## Sewer and Water Main

In this eight (8) week program, trainees will be introduced and become familiar with blueprint reading and surveying. They will be required to review various sets of plans, understand what information is contained in the different types of drawings, be able to find the information required to construct various construction projects specific to the Sewer and Water Main Sector. Trainees will also learn proper laser set up, check benchmarks, levels, elevations and grades continuously throughout the program.

## Program Delivery Dates

### Vaughan Campus

- Sewer and Water Main - February 4 to March 29, 2019



# CONSTRUCTION SKILLS PROGRAMS

## Vac Truck

This 2 day program focuses on the safety around vac trucks and covers such topics as:

- Why is proper training needed
- Worker health and safety
- Competency
- Over all system overview
- Hazards and controls associated with vac trucks
- Soils and protective methods
- Locates
- Hydro excavation and flushing
- Spills and emergency response
- And much more...

This program is ideally for experienced users that require an update on the proper safety and handling around vac trucks.

## Program Delivery Dates

### Vaughan Campus

- Vac Truck - March 20 to March 21, 2019
- Vac Truck - April 3 to April 4, 2019



# HEALTH AND SAFETY COURSES

## Mandatory Health & Safety Training

Occupational Health and Safety Awareness Training (OHSA)

Working at Heights - WHSC

Workplace Hazardous Materials Information System

(WHMIS 2015 available online and in class)

## Small Machine Health & Safety Training

0-8 Ton Boom Truck (3 days) - Rigging Aware. Req. (1400 hrs)

0-8 Ton Boom Truck (5 days) - No Experience

Forklift Certification - 1400 Hours Experience Req.

Forklift Rough Terrain ROT (2 Days) - WHSC

Mini Excavator (2 Days) ROT - WHSC

Scissor Lift - Genie Boom (1 Day) ROT

Skid Steer (2 Days) ROT - WHSC

Small Equipment Safety Certification (1400 Hours)

## General Health & Safety Training

Basic Certification Part 1 (3 Days) - WHSC

Basics of Supervising - (2 Days) - IHSA

Chainsaw Operator Safety Training

Concrete and Drain Health and Safety

Confined Space Awareness Training

Drain Layers Best Practices

Electrical Safety - WHSC

Fire Extinguisher Safety Training

Ground Disturbance - Worker

Health & Safety Utility Program - (6 Days)

Hoisting and Rigging Safety Awareness - Swamping

Hoisting and Rigging Basic Training (2 Days)

Housekeeping Safety Training

Level 1 Health and Safety Construction (4 Days) - WHSC

Level 2 Health and Safety - Law (4 Days) - WHSC

Level 2 Health and Safety - Committee (4 Days) - WHSC

Low Rise Forming Safety Training (3 Days)

Man and Material Hoist Safety Training

Natural Gas Safety (ROT) - CH 02 NG

Personal Protective Equipment Safety Awareness

Powder Actuated Tool Training - Hilti

Propane Safety (ROT) - CH-02

Sector Specific - Construction Certification Part 2  
(2 Days) - WHSC

Scaffolding Safety Awareness

Small Tool Safety Training

St. John's Ambulance First Aid Standard CPR + AED

Traffic Control Book #7 - IHSA

Traffic Control Safety Training

Transportation of Dangerous Goods  
(Company Request Only) - IHSA

Trenching Safety Awareness

Type 1 & 2 Asbestos Work in Construction

Type 3 Asbestos Work in Construction

Welding Certification Test - CWB

**Scheduling for **Barrie, Cobourg and Kingston** campuses are based on course demand.**

**\* Missed appointments for Health & Safety classes will result in a rebooking fee\***

# PROGRAM DELIVERY DATES

## Vaughan Campus Construction Skills

<b>Program Name</b>	<b>Start Date</b>	<b>End Date</b>
Asphalt (6 weeks)	March 18, 2019	April 26, 2019
Bridge Construction (6 weeks)	April 15, 2019	May 24, 2019
Concrete and Drain (5 weeks)	March 25, 2019	April 26, 2019
GPS (3 weeks)	January 28, 2019	February 15, 2019
GPS (3 weeks)	February 18, 2019	March 8, 2019
GPS (Evening/Day) - Based on demand (3 weeks)	TBD	TBD
Residential Handyman (7 weeks)	February 18, 2019	April 5, 2019
Residential Handyman (7 weeks)	April 29, 2019	June 14, 2019
High Rise Forming (8 weeks)	October 8, 2018	November 30, 2018
High Rise Forming (8 weeks)	April 1, 2019	May 24, 2019
High Rise Rodman (3 weeks)	October 29, 2018	November 16, 2018
High Rise Rodman (3 weeks)	April 22, 2019	May 10, 2019
House Framing (8 Weeks)	September 17, 2018	November 9, 2018
House Framing (8 weeks)	January 14, 2019	March 8, 2019
House Framing (8 weeks)	May 13, 2019	July 5, 2019
Landscaping (6 weeks)	May 13, 2019	June 21, 2019
Low Rise Forming (4 weeks)	April 15, 2019	May 10, 2019
Road Construction (6 weeks)	January 28, 2019	March 8, 2019
Sewer and Water Main (8 weeks)	February 4, 2019	March 29, 2019
Tile Setter (10 weeks)	September 24, 2018	November 30, 2018
Tile Setter (10 weeks)	April 8, 2019	June 14, 2019
Residential Trim (7 weeks)	March 18, 2019	May 3, 2019
Utilities (6 weeks)	April 22, 2019	May 31, 2019
Vac Truck (2 days)	March 20, 2019	March 21, 2019
Vac Truck (2 days)	April 3, 2019	April 4, 2019
Welding (Day) (6 weeks)	January 7, 2019	February 15, 2019
Welding (Night) (12 weeks)	January 7, 2019	March 29, 2019
Welding (Day) (6 weeks)	March 4, 2019	April 12, 2019
Welding (Night) (12 weeks)	April 15, 2019	July 5, 2019
Welding (Day) (6 weeks)	April 22, 2019	May 31, 2019
Welding (Day) (6 weeks)	TBD	TBD
Welding (Night) (12 weeks)	TBD	TBD
Intro to Blueprint Reading (Wilson Campus)	TBD	TBD
Advanced Blueprint Reading (Wilson Campus)	TBD	TBD

## Cobourg Campus Construction Skills

<b>Program Name</b>	<b>Start Date</b>	<b>End Date</b>
Bridge Construction (6 weeks)	March 18, 2019	April 26, 2019
Bridge Construction (6 weeks)	May 6, 2019	June 14, 2019
Demolition (4 weeks)	November 19, 2018	December 14, 2018

# PROGRAM DELIVERY DATES

## Vaughan Campus Apprenticeships - (All Apprenticeships are 8 Weeks in Length)

<b>Program Name</b>	<b>Start Date</b>	<b>End Date</b>
Brick and Stone Level 3 (Includes Red Seal Exam Prep)	January 7, 2019	March 8, 2019
Brick and Stone Level 3 (Includes Red Seal Exam Prep)	March 11, 2019	May 10, 2019
CCW Level 1	January 7, 2019	March 1, 2019
CCW Level 2 (Includes Red Seal Exam Prep)	January 7, 2019	March 8, 2019
CCW Level 2 (Includes Red Seal Exam Prep)	January 14, 2019	March 15, 2019
CCW Level 1	May 20, 2019	July 12, 2019
Cement Finisher Level 2	March 25, 2019	May 17, 2019
Cement Finisher Level 1	May 27, 2019	July 19, 2019

## Barrie Campus Apprenticeships

CCW Level 1	September 10, 2018	November 2, 2018
CCW Level 2 (includes Red Seal Exam Prep)	January 28, 2019	March 29, 2019
Brick and Stone Level 2	September 10, 2018	November 2, 2018

## Cobourg Campus Apprenticeships

CCW Level 1	September 10, 2018	November 2, 2018
CCW Level 2 (includes Red Seal Exam Prep)	January 14, 2019	March 15, 2019
CCW Level 1	May 6, 2019	June 28, 2019
Brick and Stone Level 2	March 11, 2019	May 3, 2019

## Kingston Campus Apprenticeships

CCW Level 1	November 19, 2018	January 16, 2019
CCW Level 2 (Includes Red Seal Exam Prep)	January 28, 2019	March 29, 2019



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