



Certification in Utility Locating, Damage Prevention

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Take the first step to
a rewarding career in
infrastructure





Develop a deep understanding of underground utility locating and damage prevention to prepare for a career as a utility locator, field manager, and more.

What Is Utility Locating & Damage Prevention?

City infrastructure is constantly expanding and becoming more complex. New infrastructure construction can come into conflict with pre-existing infrastructure and poses serious challenges due to underground congestion.

In order to properly build, manage and maintain utility infrastructure, proper damage prevention procedures are necessary to secure and safeguard all those existing and yet to be installed. Without proper utility damage prevention practices in place, the safety and resources of all stakeholders is put at serious risk.

With any type digging or excavation, there is always the possibility of striking a buried utility such as gas, hydro, and electric. A potential utility strike can cause explosions, flooding, electricity

leakage, or most importantly loss of life. These situations are extremely expensive to fix and cause vital service disruptions that can negatively affect all aspects of proper city operation.

Utility locating is the process of finding underground utility lines with special equipment, properly marking the ground with paint where these lines exist, as well as creating digital drawings on maps to specify where exactly that utility line is located. This is done to prevent damage to pre-existing utilities when any type of excavation is done.

What You'll Learn

This course will provide you with a deep understanding of underground infrastructure and utilities, including gas/pipeline, telecom, electrical, water/sewer, and more. You will also learn how to read maps, use utility

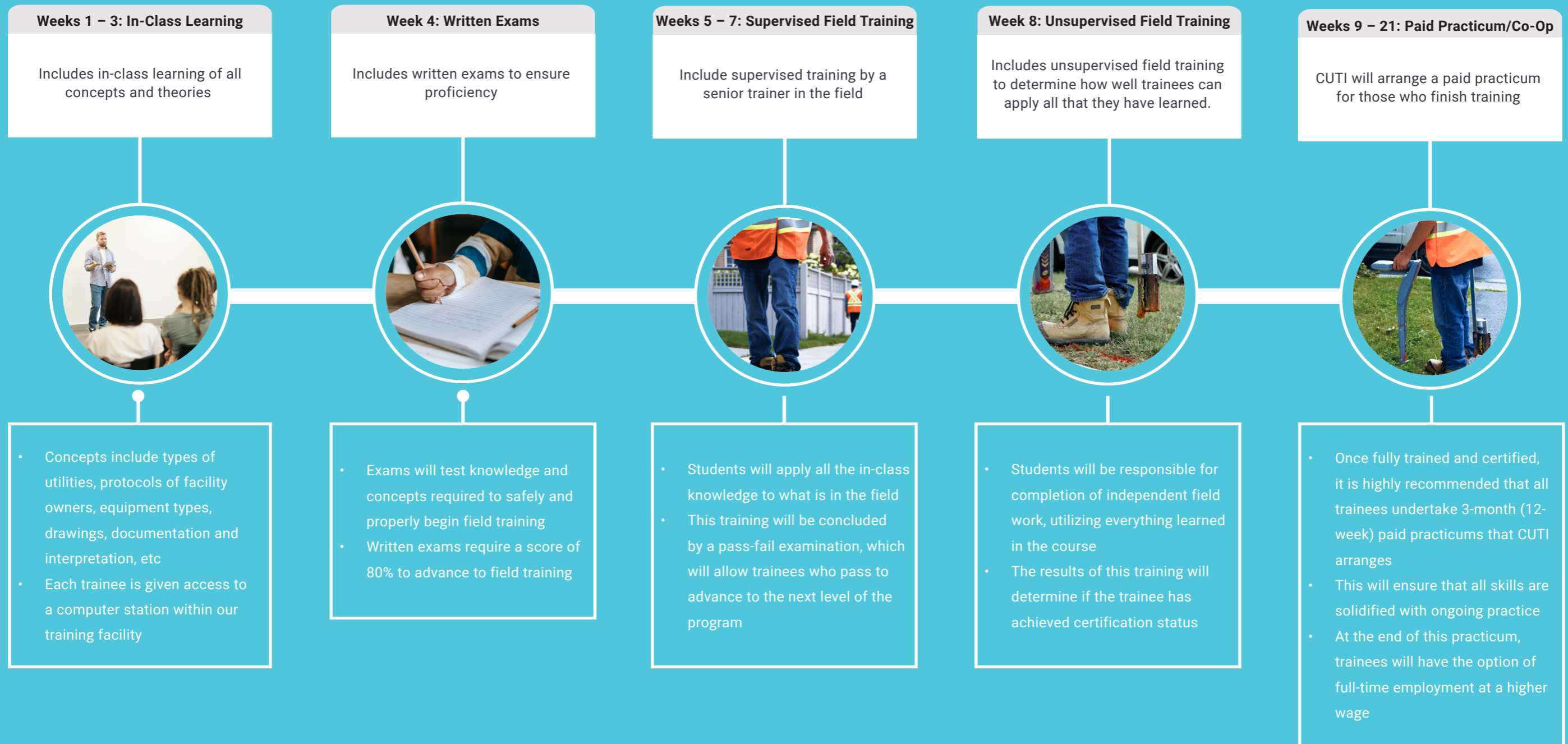
locating equipment, and follow all safety regulations, and get real experience in the field. Successful completion of this course will result in a certification. Read the course curriculum section to learn more.

Course Curriculum

This 8-week program covers the following topics:

- Training on locating gas/pipeline facilities, telecom, electrical facilities, and water sewer infrastructure (including map reading for all utilities)
- DPT certification course
- Computer operations and map reading skills
- Theory and operations of locating instrumentation, communications and wireless devices
- Safe locating field practices and individual utility operational standards and requirements
- Occupational health and safety training
- Work procedures and safe work practices
- Government safety regulations and codes
- Certified safety auditing training program
- Ground Disturbance Course – standards of safety practices when working in the field
- Level 1-2 Confined Space Course
- Theory and operations of locating instrumentation, communications and wireless Devices
- Equipment and operational procedures
- Safe locating field practices and individual utility operational standards and requirements
- Government safety regulations, codes and Personal Protective Equipment (PPE) use
- Advanced locating course (Pipeline Locating)
- WHMIS course
- First Aid rescue course
- H2S Alive course

CUTI Course Timeline



Admissions

Admission to this program is based on several factors. You must complete our online application form, which can be found [here](#). Applications are accepted on a rolling basis, with multiple course start dates throughout the year. Limited spots are available in each training cohort, and applications must be received at least 7 days in advance of the course start date you wish to apply for.

Requirements

Admission requirements & pre-requisites for this program include:

- Ontario Secondary School Diploma (OSSD) or equivalent, including: Grade 12 English, or equivalent
- Ability to distinguish between colours for marked utilities
- Ability to carry up to 15 pounds
- Intermediate computer skills
- Valid driver's license with clean driver's abstract

Applicants should note that:

- Most employment opportunities require that certain physical standards, driving abstracts and health standards, including vision, must be met
- A Police Criminal Record Check (PCRC) (pardons are possible, seek legal counsel) and additional selection criteria may be used to assess applicants in this program
- Applicants should be advised that most employers require a criminal records check (PCRC)
- Applicants are advised that there are specific requirements that must be completed prior to participating in a co-op placement and that it is their responsibility to ensure the requirements are met
- Students are required to successfully complete several tests designed for damage prevention careers and a written assessment to achieve certification

Learning Outcomes

Once certification is achieved, trainees will be able to:

- Read site plans, area maps and blueprints to determine location of underground high-voltage electrical cables, water lines, sewer lines, steam lines, gas lines, telephone and other communications lines, as well as duct banks and electric/water/gas taps to buildings.
- Utilize site plans, area maps, blueprints, computer mapping database and other location information along with conduit-location equipment to locate conduits; correct and update records using field findings.
- Mark buried utility locations and communicates relevant information to excavation personnel or other appropriate authorities. Operate line locator equipment, including metal detectors.
- Provide accurate documentation and/or sketches with measurements using an electronic drawing tool for the requested work area. Maintain accurate records of work time and client identities to allow proper assignment of charge codes.
- Complete tickets in a timely manner and upload to management programs
- Maintain start and end logs of work perform.
- Operate company vehicle in a safe manner, and maintain professional appearance.
- Transport equipment/supplies to assigned job sites; clean and maintain locating equipment.
- Adhere to all health and safety procedures, including completing daily forms and reports.

In addition, some benefits of completion include:

- Gaining a thorough understanding of utility construction and operation
- Gaining confidence in dealing with customers and clients
- Learning to work independently and within a team setting
- Going to different work sites everyday
- Growing knowledge of different companies while working on-site at different projects
- Keeping physically active and getting to work outdoors
- Gaining knowledge of different areas in local cities/regions
- Being able to travel to other provinces/areas

Career Opportunities

Your future career options

- Utility Locating Technician
- Locating Field Manager
- Utility Locating Trainer
- Safety Inspector

Where you could work

- **Utilities Companies:** Canadian Locators Inc., Tierra Geomatics
- **Safety Authorities:** TSSA

Testimonials

Andre Bromfield

Field Operations Manager

"It is a job that requires you to be on point at all times, but you have amazing support - we were able to get out there and achieve on the highest level - the systems and programs used for the job enabled us to fit in and do well. I was quickly able to earn to support and settle my family - that was motivation enough."



Matt Cooper

Field Operations Manager

"This industry is a world wide translational career opportunity - you can learn locating through CUTI and translate that knowledge into any utility locating/related position worldwide. The methodology and processes, and knowledge you garner here, can be applied anywhere in the world where utilities are buried."



Tuition

Admission requirements & pre-requisites for this program include:

Application Fee \$25.00 CAD

Course Fee \$1975.00 CAD

Paid Practicum Fee \$0.00 CAD

Above fees based on 2022 program start dates. Contact us to confirm fees for other start dates.

Once successfully completed a 3-month Paid Practicum, trainees will receive a \$1000.00 Course Fee reimbursement.

Course Start Dates 2021 - 2022

Upcoming course dates:

Please visit www.cuti.ca for the most current registration dates. Alternatively, you can scan the QR code below with your smart phone to be re-directed to our program page.





Get In Touch Today!

Contact Our Information Hub

Haven't applied yet and have questions?

Contact our Information Hub for details on programs, how to apply, and more.

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Contact Admissions

Contact our Admissions advisors for help with your application.

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