

Hands-On

# Underground Utility Locating



## BICSI CECs

This course has been approved for CEC credits by BICSI. Please read below for a breakdown of the credits that we offer for this course. For more information regarding BICSI please visit our website.

RCDD: 14	OSP: 14	Inst: 14	Tech: 14	RES: 14	Cert. Trainer: 14
----------	---------	----------	----------	---------	-------------------

## Course Description

This Hands-On course is a must for your cable locating technicians. Today's congested underground environments with the massive deployment of fiber optic cables, existing copper in the ground, underground utilities (facilities) for telephone and internet services, cabling systems, electric services, gas lines, liquid pipelines, water and sanitary sewage systems, etc. There are too many uncertainties out in the field. Without the proper training, one missed locate can cost you a lot of money and major headaches.

This course can be tailored to any Utility Environment and can include any customer equipment.

Today's digital locators have pinpoint accuracy, and are superior to locators of the past. We will show you how to use these new locators and the locators you have on-site.

Students can learn to locate and mark underground utilities (facilities) for telephone and internet providers, cabling system providers, electric services providers, natural gas providers, liquid pipeline providers, water and sanitary sewage providers, excavators, contractors and subcontractors.

Before any excavation or digging can take place... underground facilities must be located and marked... it's not only the law... it's vital to protecting our nation's critical infrastructures. This course will cover all the techniques for locating and marking ALL types of facilities/utilities to current Industry Standards.

NOTE BTS ensures that each student will demonstrate his or her abilities according to current utility locating laws, Industry Best Practices and current Industry Standards. There is no better way to prove your skills, other than Hands-On Practical Real-World Experience.

## Students Will Learn

- **Electrical Safety Energize**
- **Peak and Null**
- **Round Fields & Path of Least Resistance**
- **Frequencies & Current**
- **Vertical Inspection of Field**
- **Horizontal Inspection of Field**
- **Changing Current Levels**
- **Changing Field Shape**
- **Endpoint**
- **Locator Theory**
- **Locator Operation**
- **Choosing the Right Frequency**
- **Locating Cables, Pipes, etc.**
- **and More...**

## **Target Audience**

Anyone responsible for Underground locating in any environment.

## **Prerequisites**

This course is designed for individuals with no prior experience as a Utility Locator and/or for those already working in this field.

## **Course Outline**

To be customized to

This course can be tailored to any Utility Environment and can include any company equipment and in-the-field Hands-On labs.

## **Delivery Method**

Instructor-Led with numerous Hands-On labs and exercises.

## **Equipment Requirements**

**(This apply's to our hands-on courses only)**

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

## **Course Length**

2 Days