

**Directions:**

From I-84 (Waterbury – East) Exit 35 (left exit) to Route 72 East. Take Exit 9 - Main Street. At end of the exit take a right. At the next light take a right onto Chestnut Street and another right onto Main Street. ITBD is a red brick building located on the right just past ‘Subway’.

From I-84 (Hartford – West) Exit 39A to Route 9 South. Take Exit 27 – Chestnut Street (left exit). At the end of the exit take a right onto Chestnut Street and proceed to the third light. Take a right onto Main Street. ITBD is a red brick building located on the right just past ‘Subway’.

From the South (Routes 9, 91 or 15) Go north on route 9 to Exit 26 – Downtown New Britain. Go straight at the end of the exit. Take a left at the following traffic light (CVS is on the corner) onto Chestnut Street. Take your second right onto Main Street. ITBD is a red brick building located on the right just past ‘Subway’.

**Parking:**

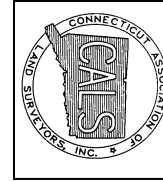
Parking is available in the Municipal Parking Garage in back of the ITBD building (access is on Chestnut Street just south of Main Street). Bring your ticket with you to be stamped for free parking

Map:

<http://www.ccsu.edu/itbd/directions/default.htm>

*SECURING THE FUTURE THROUGH EDUCATION*

CALS  
78 Beaver Road  
Wethersfield, CT 06109



## Connecticut Association of Land Surveyors Presents



## BASIC SURVEY MATH 1 FOR TECHNICIANS (ALGEBRA-TRIG)

**Rachel Dearborn, PLS**  
**Landmark Surveys, LLC**

**Friday, February 19, 2016**

**Room 320, CCSU Institute for  
Technology and Business (ITBD)**  
**185 Main Street**  
**New Britain, CT**

**For more information:**

**Rachel@landmarksurveys.com**  
**860-875-8204**

### Course Summary

Join us to brush up on your basic surveying math skills or to review for the CST or FS exam. We will discuss the exam requirements, review basic mathematical skills and hand calculator operation, and solve surveying problems using algebra concepts and a little trigonometry.

**BRING YOUR HAND CALCULATOR**, this is a hands on computational workshop.

### The Presenter

The instructor, Rachel Dearborn, PLS, taught the Surveying Lecture and Lab Course at the University of Connecticut from 2002-2007. Rachel graduated from Central Connecticut State University with a B.S.E.T. in 1999. She passed the LSIT exam in April 2003 and the L.S. exam in April 2008. She currently owns and manages a small surveying company, Landmark Surveys LLC, in Ellington, Connecticut. She is an adjunct faculty member in the Civil Engineering Dept. at CCSU, teaching survey lab.

### Teaching Methods

Lecture by instructor, LCD projection of problems and solution processes. My interest is to have participants engage in active, in class, computation of the examples presented.

### Learning Objectives

The purpose of this workshop is to develop a working knowledge of basic survey math using a hand held calculator, for application on the job and in taking the FS, PS, CST or NICET surveying exams.

### Schedule

- 9:30am - 10:00am – Registration & coffee
- 10:00am -10:030 am – Calculator Operation, Order of computation, Math with Angles
- 10:30 am – 12 noon - Basic Algebra, equations, equation rules, unit conversions, cross multiplication, linear equations.
- 12 Noon – 12:30 pm - Luncheon
- 12:30 pm –1:00 pm - Quadratic Equations & Formula, Simultaneous Equations, Graphing XY
- 1:00pm – 2:00pm - Introduction to Basic Trigonometry, Pythagorean Theorem, law of sines, law of cosines.

### Costs, Refunds, Cancellation Policies

Registration fee for the workshop: \$125 for members only.

### No Professional Development Hours

This is a course for survey technicians, and does not have any professional development hours assigned. A certificate of achievement will be sent to attendees who score 70 or higher on their take home assignment, otherwise a certificate of participation will be awarded.

### REGISTRATION : BASIC SURVEY MATH 1 FOR SURVEY TECHNICIANS

Name: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
 City: \_\_\_\_\_ State : \_\_\_\_\_ Zip: \_\_\_\_\_  
 Email: \_\_\_\_\_

Registration Fee \$125 for members\*. Unemployed member \$20. Includes continental breakfast and lunch. Free Parking.

\*Registration fee for all members of NE Professional Surveying Societies  
 Phone 860-563-1990 Fax 860-529-9700 email kathy@ctsurveyors.org  
 Make Check Payable to : CALS and send to CALS, 78 Beaver Road, Wethersfield, CT 06109  
 MasterCard or Visa \_\_\_\_\_ Exp. Date \_\_\_\_\_  
 Signature \_\_\_\_\_