

Duration | 2 Days

Description:

This hands-on foundation-level courseware covers the essentials of AutoCAD® Civil 3D® Survey functionality.

Prerequisites:

Before starting this course, students should have a working knowledge of AutoCAD® and surveying principles and processes. It is also recommended that the student have a working knowledge of Microsoft® Windows® XP, or Microsoft® Windows® 2000.

Objectives:

The primary objective of the course is to familiarize students with the concepts and applications of the survey functions of AutoCAD Civil 3D.

Upon completion of the course, the student will:

- Understand Data collection methods.
- Download and convert data collection files.
- Reduce collected data.
- Create points, change point styles and manage points in groups.
- Perform analysis and adjustments on collected data and Traverses.
- Create and label Site Boundaries and Subdivision Parcels.
- Create Reports (Meets & Bounds, Legal Descriptions, etc.)
- Create parcels and parcel tables.
- Create, edit and analyze existing surfaces.

Optional Field to Finish

An additional 1/2 day of field data collection with equipment and reducing the collected data in the classroom.

Course Outline:

Civil 3D Survey User Interface

- Survey Tool Space
- Description Key Sets
- Point and Label Styles
- Figure Settings
- Figure Prefixes

Working with Point Data

- Creating Points
- Viewing and Editing Point Data
- Changing Point Styles
- Creating Label Styles
- Managing Points
- Using Transparent Commands

Training Facilities

Virginia Beach, VA
Richmond, VA
Roanoke, VA

Inlet Technology

192 Ballard Court
Suite 306
Virginia Beach, VA
23462

Ph: 757.496.2323
Fax: 757.496.2424

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Data Collection

- Figure Commands
- Field Books
- Downloading from Data Collector
- Converting Data Collection Files

Adjustments & Traverses

- Reviewing Least Squares analysis
- Adjusting a Survey with Least Squares
- Import the Least Squares Adjustment
- Defining a Traverse

Boundary & Parcel Layout

- Creating Site & Parcel Boundaries
- Creating Subdivision Parcels
- Managing Parcel Styles
- Labeling Parcel Segments
- Creating Parcel tables
- Creating Parcel Reports

Surface Modeling

- Creating an Existing Surface from Collected Data
- Editing Surface Triangles
- Creating Breaklines
- Analyzing Surfaces
- Creating Volume Surfaces
- Creating a Surface Output

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Inlet Training Class Registration Form



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Customer Information

Company _____
Address _____
City _____ State _____ Zip _____
Primary Contact _____
Telephone _____ eMail _____

Training Class Information

Class Name _____
Class Start Date _____ Duration (# of days) _____
Student 1 _____ eMail _____
Student 2 _____ eMail _____
Student 3 _____ eMail _____
Student 4 _____ eMail _____
Student 5 _____ eMail _____
Student 6 _____ eMail _____
Student 7 _____ eMail _____
Student 8 _____ eMail _____
Student 9 _____ eMail _____
Student 10 _____ eMail _____

Payment Information

CREDIT CARD

Type (Circle One) Visa Mastercard American Express
Credit Card Number _____
Expiration Date _____ 3-4 digit Verification Code _____
Name on Card _____ Amount to be Charged \$ _____
Billing Address _____

CHECK

Check Number _____ Amount \$ _____

PURCHASE ORDER

PO Number _____ Amount \$ _____
Purchasing Contact _____ Telephone _____
e-Mail _____

NOTE: Please fax copy of PO with Registration Form

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