

Duration | 3 Days

Description:

This hands-on foundation-level courseware covers the essentials of AutoCAD® Civil 3D ®. Students learn how to work with point data in AutoCAD Civil 3D, how to create and analyze surfaces, how to develop a site, how to model roads, corridors and piping networks, how to work with survey data and how to import and export data. Hands-on exercises throughout the courseware explore how to create 2D and 3D production drawings.

Prerequisites:

Before starting this course, students should have a working knowledge of AutoCAD® and civil engineering 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 essential functions of AutoCAD Civil 3D.

Upon completion of the course, the student will:

- Create points, change point styles, and manage points in groups.
- Create, edit, and analyze surface, and view surfaces in 3D.
- Create parcels and parcel tables.
- Create a site, create and edit alignments, and create profiles and cross-sections.
- Create assemblies, corridors, pipe networks, and cross-sections, and calculate corridor volumes.
- Work with grading objects.
- Import AutoCAD Land Desktop data and export AutoCAD Civil 3D data.
- Check-in and Check-out Civil 3D data from the Vault.
- Import and work with survey data.

Course Outline:

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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Surface Modeling

- Creating Surfaces from LandXML Files
- Editing Surface Triangles
- Creating Breaklines
- Analyzing Surfaces
- Creating Volume Surfaces
- Viewing Surfaces in 3D
- Creating an Surface Output

Site Development

- Creating Parcels
- Changing Parcel Styles and Display Order
- Labeling Parcel Segments
- Creating parcel Tables and Reports

Road Design

- Creating Sites
- Creating and Editing Alignments
- Creating Profiles
- Creating a Profile by Layouts
- Creating Sections

Corridor Modeling, Subassemblies, and Cross Sections

- Creating Simple Corridors
- Creating Assemblies
- Creating Complex Corridor Models
- Editing Corridor Models
- Calculating Corridor Volumes
- Creating Corridor Cross Sections

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Grading

- Introduction to Grading
- Creating Grading Objects

Sharing Data

- Importing AutoCAD Land Desktop Project Data
- Sharing AutoCAD Civil 3D Data
- Working with Autodesk Vault and AutoCAD Civil 3D Files

Pipe Networks

- Creating Pipe Networks
- Editing Pipe Networks in Plan View
- Drawing Pipe Networks in Profile and Section Views
- Editing Pipe Networks in Profile View
- Creating Part Rules

Survey

- Importing Survey Data
- Working with Survey Data

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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