



AutoCAD Civil 3D 2010 Survey Fundamentals

Course Length: 2 day (16 hours)
 Course Fee: \$795⁰⁰ per person
 Class Hours: 8:00am – 5:00pm

Spokane, WA

159 S. Lincoln Street
 Suite 321
 Spokane, WA. 99201
 509-326-7789

BOISE, ID

950 W. Bannock Street
 Suite 270
 Boise, ID 83702
 208-336-6641

Helena, MT

1235 Birch Street
 Suite 3
 Helena, MT 59601
 406-442-8700

Objective

AutoCAD Civil 3D 2010 Survey Fundamentals - Field to Finish has been developed for surveyors and survey technicians that do not necessarily need all of the functionality that is covered in the AutoCAD Civil 3D Fundamentals training guide.

It equips the surveyor with the basic knowledge needed to use Civil 3D efficiently in a typical daily workflow. Students will learn how to import the converted field equipment survey data into a standardized environment in Civil 3D, and use the automation tools to create an Existing Condition Plan. The training guide also covers data collection, least square analysis, and traverses. Other topics that help in increasing efficiency include styles, proper AutoCAD drafting techniques, methodology needed to create linework effectively for variables used in defining symbology, and surfaces. Categorizing points and importing imagery on State Plane Coordinate Systems from Google Earth are also addressed.

Prerequisites

Prior experience with AutoCAD and a basic understanding of the Surveying profession.

Topics Include:

- The AutoCAD Civil 3D Interface
- Points Overview and Styles
- Importing Points and Coordinated Transforms
- Creating Points and Drafting
- Point Groups, Grips, and Reports
- Point Security and Editing
- Introduction to Data Collection in the Field
- Intro to Civil 3D Survey and Automated Linework
 - Survey Networks
 - Survey Least Squares analysis
 - Traverses and their Adjustment
 - Traverse Loop and Loop Adjustments
- Surface Overview
- Surface Editing
- Surface Labels and Analysis
- Sharing Data and Google Earth

To register for this class please visit our Training page on our website
<http://pacificad.com/services/training.asp>

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Training Course Outline

CAD Software • Consulting • Programming • Training