

Course Description

In the Civil Survey Solutions AutoCAD Map 3D Fundamentals course you will learn how to access GIS and mapping data to support planning, design and data management. Intelligent models and CAD tools help you to apply regional and discipline-specific standards. Integration of GIS data with your organisation helps to improve quality, productivity and asset management.

Course Duration:	2 Days
Delivery:	Instructor led - maximum of 6 participants
Course Times:	9:00 am - 5:00 pm
Software Used:	AutoCAD Map 3D
Registration:	<u>Register your interest here!</u>

Prerequisites

Prior to attending this course you should have:

- A good working knowledge of basic design and terminology

Upon completion you will be issued with a **Civil Survey Solutions Certificate of Training.**

Course Objectives

- **Navigate within AutoCAD Map 3D environment and manage geospatial data**
- **Understand how to create drawing based attribute data**
- **Be able to import and export geospatial data files, with attributed information attached**
- **Reference data from multiple drawings**
- **Work with co-ordinate systems, including drawing using co-ordinate systems, bearing and distances**
- **Connect to data sources, including ESRI shop files and stylize information displayed as feature data objects**
- **Edit and manage feature data objects in the drawing**
- **Understand the fundamentals for plotting maps**
- **Manage Map survey data—creating points and parcels**

Topics Covered

- **Getting started—learn the AutoCAD Map 3D user interface**
- **Creating and editing geometry**
- **Linking and managing drawing based attribute data**
- **Using object classification**
- **Importing and exporting drawing based data**
- **Working with survey data**
- **Working with raster images**
- **Working with source drawings**
- **Using source drawing queries**
- **Stylizing drawings**
- **Using topology and spatial analysis**
- **Plotting maps**
- **Job processes**