



Class GSU-1: 3D Data with Carlson Software

Class Description:

3D Data with Carlson Software is a two day, instructor led, class covering the complete process of creating 3D surfaces and line work for use with machine control and survey applications. We will cover information to request in the engineers CADD file, working with that CADD file, and converting it to a usable 3D file. We will also cover importing and exporting files in Topcon's 3D office.

Objectives:

Upon completion of this class, the student will be able to successfully create a 3D surface and line work file from an engineer obtained CADD file and export it to a format ready to use in the field. They will also be able to take information obtained in the field and import it into the software to compare it to their design. They obtain working knowledge of different types of data and files used by engineers and Topcon equipment.

Syllabus:

- Understanding CADD files
- Overview of Carlson Software
- Working with CADD files
- Creating 3D Data
- Creating 3D Surfaces
- Working with Data from the field
- Basics of 3D Roads
- Exporting Data from Carlson Software
- Overview of Topcon 3D Office Software
- Importing and Exporting with Topcon 3D Office.

