

Autodesk AutoCAD Civil 3D Storm and Sanitary Analysis

Brief Synopsis of Class Contents:

This foundation-level class covers the essentials of Autodesk Storm and Sanitary Analysis. This class is intended to give students comprehensive experience with the features and benefits of Storm and Sanitary program. Hands-on exercises will introduce the student to some of the capabilities of the New Storm and Sanitary Analysis program.

Learning Objectives:

- Roadway drainage systems (including curb and gutter stormwater inlets)
- Stormwater sewer networks and detention ponds
- Subdivision drainage systems
- Water quality studies
- Sanitary sewers, lift stations, force mains, combined sewer
- Working with Civil 3D and file formats
- Export pipe data from Civil 3D software into SSA
- Defining stage-storage table from Civil 3D software
- Modeling drainage systems in SSA

Courseware:

Autodesk AutoCAD Civil 3D Storm and Sanitary Analysis

Number of Days:

3 Half Day Sessions

Continuing Education Hours:

11 hours

Who Should Attend:

Architects, Engineers and Master Planners

Prerequisites:

AutoCAD Civil 3D fundamentals knowledge and experience.

System and Software Requirements:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-System-Requirements>

FAQs and Cancellation Policy:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-FAQS>

Class Outline and Topics:

Chapter or Main Topic

- Hydrology methods
- Sample of Design and sizing of drainage system components for flood control
- Sample of Design and sizing of detention facilities
- Sample of Floodplain mapping of natural channels
- Sample of Designing control strategies form minimizing combined sewer overflows
- Roadway Drainage
- Sample Models
- Sanitary Lift Station
- Sample of Evaluating impact of inflow and infiltration on SSO
- Computing SCS Curve numbers for a subbasin
- Importing Civil 3D data and integration
- Pipe sizing
- GIS DataRainfall-Intensity-Duration-Frequency (IDF) curves.
- Exporting Pipes To Civil 3D
- Pond Analysis
- Modified Rational Method
- SCS Method - TR-20 / TR-55
- SCS Method - Time of Concentration
- SCS Method - CN Composite Comparison
- Running Reports
- Stage Storage

