

TRAINING LOCATIONS

Synergis EduCast
Virtual
Online

Quakertown
18 South 5th Street
Quakertown, PA 18951



AutoCAD Civil 3D - Storm and Sanitary Analysis Fundamentals

Course Description: This course introduces the fundamentals of storm drainage system design with Storm and Sanitary Analysis (SSA) by walking through a hydrology and hydraulic study for a typical development. It covers how to analyze various rainfall events for a proposed site development and how to create the required reports for various agency submittals.

Prerequisites: Fundamental understanding of engineering hydrology methods
Completion of Autodesk Civil 3D Essentials Training or AutoCAD Map 3D Essentials training, or equivalent experience using Civil 3D or AutoCAD based software

Length:	2 days
Times:	8:30 am - 4:30 pm
PDH Credit Hours:	13 hours

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Representative Topics

- Introduction to SSA interface
- Preparations using Map 3D and gathering drainage data using GIS
- Importing GIS into SSA
- Hydrology analysis
- Pond design and analysis
- Sanitary sewer design planning
- Using the rational method to compute runoff
- Analysis using SSA
- Preparations and surface analysis using Civil 3D
- System pipe design and analysis workflow
- Required water quality volume calculation

The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants. Cancellation/Rescheduling Fee of 25% of the Daily Rate per Student will be assessed for anyone canceling or rescheduling a Synergis Training Class without at least 14 days notice. If applicable, the Cancellation or Rescheduling Fee will be invoiced to you automatically. Classes are confirmed based on the number of students registered and therefore cancellations and rescheduling of classes may affect other customers. Please be sure that you can attend the class dates for which you are registering when you submit your order.