

Autodesk AutoCAD Civil 3D Designing Intersections, Roundabouts and Cul-De-Sacs

Brief Synopsis of Class Contents:

Students use AutoCAD® Civil 3D® to complete the engineering tasks on an intersection and cul-de-sac design. The courseware guides students through one possible design process from the examination of existing site conditions to a final design solution. The primary focus is to teach students how AutoCAD Civil 3D can be used as a tool to perform common engineering tasks in the modeling and design process with greater accuracy and speed

Learning Objectives:

- An intersection object
- Two curb return alignments and profiles
- Four offset alignments and profiles (two for each centerline alignment)
- Several new corridor regions
- Corridor assemblies for each region of the intersection
- Creating Roundabouts
- Add a turn slip lane
- Editing corridors
- Work with Design Standards

Courseware:

Instructor Handouts

Number of Days:

2 Half Day Sessions

Continuing Education Hours:

6 hours

Who Should Attend:

Architects, Engineers and Master Planners

Prerequisites:

AutoCAD fundamentals knowledge and experience.

System and Software Requirements:

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

FAQs and Cancellation Policy:

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

Class Outline and Topics:

Chapter or Main Topic

- Overview
- Corridor Modeling from the start
- Data Organization
- Export from Civil 3D
- Importing Data
- Data Shortcuts
- Profiles
- Intersection Template
- Alignments
- Corridors
- Entourage
- Side Streets Section
- Existing Conditions Workflows
- Creating Cul-De-Sacs
- Creating Knuckles
- Creating an Intersection: Peer Roads
- Creating an Intersection: Side street Joins Main Road

