

Civil 3D Designing Intersections & Cul-de-Sacs



Duration | 1 Day

Description:

Students use AutoCAD® Civil 3D to complete the engineering tasks on an intersection and cul-de-sac design. The course 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.

Prerequisites:

Before taking this course, you should have:

- Completed a Civil 3D Essentials AOTC course or have in-depth knowledge of Civil 3D features and functionality.
- Experience with civil engineering processes and terminology.
- It is also recommended that the student have a working knowledge of Microsoft® Windows® XP.

Objectives:

The primary focus is to teach students how AutoCAD Civil 3D can be used as a tool to perform common engineering tasks in the grading process with greater accuracy and efficiency.

Upon completion of the course, the student will:

- Create a cul-de-sac, create a road knuckle, design an intersection for peer roads, design an intersection where a side street joins a main road.

Course Outline:

Creating Cul-de-Sacs

- Designing Cul-de-Sacs
- Modeling Main Roads
- Designing Cul-de-Sac Bulbs
- Creating a Corridor Surface and Cul-de-Sac Island
- Revising the Cul-de-Sac and Rebuilding the Model
- Preparing the Plot the Cul-de-Sac

Creating Knuckles

- Designing Knuckles
- Preparing for Knuckle Modeling
- Modeling Knuckles
- Revising Knuckles

Training Facilities

Virginia Beach, VA
Richmond, VA
Roanoke, VA

Inlet Technology

192 Ballard Court
Suite 306
Virginia Beach, VA
23462

Ph: 757.496.2323
Fax: 757.496.2424

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Creating an Intersection: Peer Roads

- Designing Peer Road Intersections
- Designing Intersection Curb Returns
- Finalizing the Peer Road Intersection Model

Creating an Intersection: Side Street Joins Main Road

- Designing an Intersection for a Side Street and Main Road
- Designing Intersection Curb Returns
- Finalizing the Intersection Model

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Inlet Training Class Registration Form



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Customer Information

Company _____
Address _____
City _____ State _____ Zip _____
Primary Contact _____
Telephone _____ eMail _____

Training Class Information

Class Name _____
Class Start Date _____ Duration (# of days) _____
Student 1 _____ eMail _____
Student 2 _____ eMail _____
Student 3 _____ eMail _____
Student 4 _____ eMail _____
Student 5 _____ eMail _____
Student 6 _____ eMail _____
Student 7 _____ eMail _____
Student 8 _____ eMail _____
Student 9 _____ eMail _____
Student 10 _____ eMail _____

Payment Information

CREDIT CARD

Type (Circle One) Visa Mastercard American Express
Credit Card Number _____
Expiration Date _____ 3-4 digit Verification Code _____
Name on Card _____ Amount to be Charged \$ _____
Billing Address _____

CHECK

Check Number _____ Amount \$ _____

PURCHASE ORDER

PO Number _____ Amount \$ _____
Purchasing Contact _____ Telephone _____
e-Mail _____

NOTE: Please fax copy of PO with Registration Form