

# Civil 3D Interchange Design

Course

1 day

Class Hours | 8:30am - 4:30pm



**AutoCAD Civil 3D Intermediate – Interchange Design** This course is designed to teach the student how to use AutoCAD Civil 3D as a tool in the design solution to perform common interchange design tasks more accurately and in less time.

**Prerequisite:** AutoCAD Fundamentals and Civil 3D Fundamentals.



**Autodesk**  
Authorized Training Center

Visit [mwcad.com](http://mwcad.com) for a complete class schedule or call us at 800-279-3221.

What students are saying about our courses:

**“I loved how the instructor focused the materials to our needs and uses. Great course!”**

- Matthew Crockett, Aquaterra Environmental Solutions

**“The class was very good. I was skeptical about trying to take such a high-tech class but the instructor made the course not only doable but also enjoyable.”**

- Judy Looney, Water One

## Evaluating Existing Conditions

- Creating Existing Ground Conditions
  - About EG Surfaces, Creating EG Surfaces
- Generating EG Surfaces Based on Contours
  - About Contour-Based EG Surfaces, Generating EG Surfaces Based on Contours.
- Generating EG Surfaces from LandXML File
  - About LandXML, Guidelines for Importing LandXML Data.
- Evaluating the Existing EG Surface Model
  - About Surface Analysis, Tools for Evaluating Surfaces, Evaluating the Existing 3D Surface Model.

## Designing Interchanges

- Designing Interchanges
  - About Interchanges, Interchange Design Considerations, Designing Interchanges.
- Creating Geometry-Based Alignments
  - About Alignments, Options for Editing Alignments.
- Applying Design Criteria and Superelevation
  - About Criteria-Based Design, About Superelevation, Applying Superelevation, Calculate Superelevation.
- Creating Surface Profiles
  - About Surface Profiles, Profile View Settings, Creating Surface Profiles.
- Creating Layout Profiles
  - About Layout Profiles, Curve Types, Creating Layout Profiles.
- Creating Assemblies
  - About Assemblies, Creating Assemblies.

## Modeling Interchanges

- Modeling Interchanges
  - About Modeling Interchanges Modeling Interchanges
- Creating Corridor Models and Corridor Surfaces
  - About Corridor Models, About Corridor Surfaces, Creating Corridor models and Corridor Surfaces.
- Generating Construction Information
  - Labeling Corridor Surfaces, Creating Section Views, About Quantity Reports.