# AutoCAD Land Desktop Training Class

## <          TOPICS COVERED          >

**1. Controlling Land Desktop**

- Key AutoCAD Options
- Changing and saving options
- Land Desktop Preferences
- Changing/saving - preferences
- Switching menu palettes
- Creating A Project

**2. Beginning A New Drawing**

- Creating A New Drawing
- Opening An Existing Drawing
- Changing Drawings
- Project Associations

**3. Introduction To Coordinate Zones**

- Understanding Coordinate - Zones
- DOQ's and DOQQ's
- DRG's
- DEM's
- ArcInfo Export (.e00)

**4. Introduction To Points**

- Understanding The Point Object
- Point Display Properties
- Creating Points
- Introduction To Description Keys
- Importing Points
- Introduction To Point Groups

**5. Introduction To Terrain Modeling**

- Terrain Model Explorer
- Creating Contours

**6. Introduction To Lines, Curves, Parcels, And Labels**

- Lines And Curves
- Labeling Lines And Curves
- Parcels

**7. Introduction To Alignments**

- Defining An Alignment
- Stationing

**8. Introduction To Profiles**

- Creating (Cutting) A Profile
- Creating a Vertical Alignment
- Editing a Vertical Alignment

**9. Introduction To Cross Sections**

- Sampling Cross Sections
- Cross Section Templates
- Subdivision Cross Sections
- Editing Design Control
- Creating the Finished Surface

**10. Introduction To Grading Tools**

- Introduction To 3D Polylines
- Introduction To Calculating Volumes
- Introduction To The Grading Object

**About the Instructor:**

*Scott McEachron, co-author of "[Mastering AutoCAD Civil 3D 2010](#)," is a Subject Matter Expert for numerous firms on Engineering News-Record's list of Top 50 Design Firms, and has been an instructor at Autodesk University for 6 years. He is an Authorized Autodesk Instructor, an Autodesk Implementation Certified Expert and has over 20 years experience applying Autodesk design technologies within the civil engineering, land surveying, and geospatial industries.*

*For over 10 years, Scott has provided professional technical services to Avatech Solutions, Alignex, Seiler Instrument, Total CAD Systems, DC CADD, and other Autodesk Resellers. Scott's classes are known for being comprehensive yet practical, and are known to cover software both old and new. Born and raised in Iowa, Scott currently resides near Fort Worth, TX.*