

BricsCAD Lite

1. 2D Drafting - 4 hours

- Introduction
- Interface, viewing and navigating
- Settings
- The Quad cursor menu
- Nearest Distance
- Undo Per Entity
- DUCS
- Viewing
- Structure Browser
- Using the Manipulator
- Blockify
- CopyGuided
- MoveGuided
- AutoCAD Dynamic Blocks
- Constraints
- Parametric Blocks
- The Drawing Explorer
- Drawing Optimization
- Working with PDF files
- Working with TIFF files
- File Import/Export

2. Civil - 4 hours

- Philosophy
- Civil tools in BricsCAD: Earthworks
- Civil tools in BricsCAD: Alignments and Corridors
- Filtering for TIN Surfaces

BricsCAD Pro

3. 3D Modeling - 4 hours

- Introduction
- Interface, viewing and navigating
- Basic concepts
- Sculpting a model
- Mechanical Parts

4. Point Clouds - 2 hours

- Key principles for Point clouds in BricsCAD
- Importing and displaying Point clouds
- Viewing Point clouds

2D and 3D drafting with point clouds

BricsCAD BIM

1. **Basic** - 8 hours

- Interface, viewing, and navigation
- Create a BIM project
- Model from 2D to 3D
- Import models
- Model with masses
- Components
- Add BIM data (a.k.a. increase alphanumerical LOD)
- Basic documentation sets
- Basic schedules

2. **Advanced** - 10 hours

- Collaboration
- Components Advanced
- Increase geometric LOD
- MEP Modeling
- Structural modeling
- Advanced documentation sets
- Advanced schedules

3. **Point Cloud** - 4 hours

- Key principles for Point clouds in BricsCAD
- Importing and displaying Point clouds
- Viewing Point clouds
- 2D and 3D drafting with Point clouds
- Generating 3D geometry with Point clouds in BricsCAD BIM
- Documentation with Point clouds in BricsCAD BIM

BricsCAD Mechanical

1. Basic – 6 hours

- Direct modeling
- Surface Modeling
- 3D Constraints
- Parameters
- Assembly design
- Assembly inverse kinematics
- Parametric components
- Drawing generation
- Sheet metal from scratch
- Sheet metal from solid
- Sheet metal form features
- Sheet metal assembly export

2. Advanced – 6 hours

- Exploded views
- Animation Editor
- Advanced Sheet Metal
- Associative Unfolding
- T-Junctions & Tabs
- Piping
- Advanced BOM Manager
- Vessel
- Design Tables
- Flange creation
- Flange assembly
- 2D Drawing views