

Autodesk Infracore Fundamentals for Conceptual Design Training

Course Length: 8-Hours

- 8-Hours - 4 x 2-hour sessions
- Remote training over MS Teams
- Sessions are recorded and download links for each session are provide for future use
- Training for up to 1-3 People
- Sessions can start within 7 days upon ordering
- Flexible sessions (i.e. consecutive or Monday, Wednesday, Friday, etc.)
- Courses are private and topics can be customised to suit
- Includes Certificate of Completion
- Training manuals are additional \$159 each for soft copy

This training course provides you with a fundamental knowledge of the accelerated design process that uses data-rich 3D models with high-end visualizations. This enables you to create, evaluate, and better communicate 3D site plan proposals for faster approvals.

Topics Covered

- Roadway Design:
 - o Create property boundaries for parcels, easements, and right-of-ways
 - o Create and modify design roads with precise parameters o Add components and decorations to roads
 - o Adjust roadside grading
 - o Apply and review superelevations in component roads
 - o Modify how design roads intersect using a standard intersection or roundabout o Optimize the vertical design of a roadway
 - o Create gradient maps based on selected feature sets to identify areas with low impact for site or corridor optimization
 - o Find an optimal horizontal design of the roadway which yields a cost effective and environmentally-friendly solution
 - o Run traffic simulation to analyse and animate design traffic
- Bridge Design:
 - o Add bridges to a design roadway
 - o Work with bridge deck and girder cross sections
 - o Perform analysis and design checks on all the pre-stressed girders of your bridge
- Drainage Design:
 - o Run a watershed analysis
 - o Create or modify culverts
 - o Create a pavement drainage network
 - o Analyse the pavement drainage network
- Point Cloud Modelling:
 - o Preparing the point cloud
 - o Create a terrain from a point cloud
 - o Create features from a point cloud

Prerequisites A fundamental understanding of how to navigate the Autodesk Infracore software. This includes how to create new models and add/modify features to those models. It is

recommended that you first take the Autodesk InfraWorks Fundamentals for Conceptual Design and Visualization training course.