

Autodesk Infracore Fundamentals

The objective of The Infracore Fundamentals course is to equip students with the knowledge to create realistic 3D conceptual designs using Autodesk Infracore software.

Topics Covered:

- Navigate the Autodesk Infracore user interface
- Create new models from scratch
- Incorporate existing data sources into the model
- Add essential design elements to the model
- Display features according to data behind the model
- Create new styles according to project requirements
- Analyse a model to ensure that project constraints are met
- Collaborate with other project team members
- Create high-impact visualizations of the project for better communication
- Generate videos by using storyboard
- Create and modify design roads with precise parameters
- Design a road using component roads
- Optimize the vertical design of a roadway
- Corridor optimization function
- Run traffic simulation to analyse and animate design traffic (Preview)
- Add bridges to a design roadway
- Perform analysis and design checks on all the pre-stressed girders of your bridge (Preview)
- Run a watershed analysis
- Create a pavement drainage network

Prerequisites:

A working knowledge of basic design/drafting procedures and Civil Engineering terminology.

A working knowledge of your operating system.