

# Autodesk Infracworks Roads & Drainage Design

## 1 day Course

### Autodesk Official Certificate in Infracworks Roads & Drainage Design

#### > Course Description

Students learn how to use Autodesk Infracworks to create visually rich preliminary & conceptual design proposals of road and drainage layouts for site, area planning & infrastructure projects. This course offers a hands-on exercise representing a real-world design scenario.

#### > Objectives

The primary objective of this course is to teach students the Roads and Drainage tools of Autodesk Infracworks.

#### > Course Content

- **Understanding InfracWorks Roadway Design** - Rule-Based Design, Profiles, Intersections, Sight Distance Analysis, import/ export
- **Designing Roads** - Design Roads, Edit graphically/with Gizmos, Styles, Lanes, Grading, profile view edit, intersections, swept path, lane markings
- **Advanced functions** - profile optimisation, sight distances, Generate Civil 3D Drawings, traffic modelling
- **Drainage** - pipes and structures, rules, watershed analysis, culvert design, drainage networks.

#### > Who Should Attend

Technicians & engineers who undertake preliminary road and/ or drainage design and wish conceptual 3D models and visualisations for site, area planning & infrastructure

#### > Pre-requisite

Students should have a some experience of Infracworks or undertaken the Infracworks Essentials 1-day course plus a working knowledge of a CAD application such as AutoCAD and of Microsoft® Windows® 7, 8 or 10.

