



AUTODESK VISUALISATION TRAINING

Visualisation Courses

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Autodesk 3ds Max Design Fundamentals 4 Days

COURSE DESCRIPTION

This course provides a thorough introduction to Autodesk 3ds Max to help you get the most from the software. You will be taught how to use the software interface and navigate through the scenes, explore the creation of 3D objects and how to bring in objects from other software such as Autodesk Revit, AutoCAD and Inventor. Additionally, you will be taught how to prepare the scenes for renderings by adding materials, lights and cameras. Finally you will be given an understanding of various renderers included with the software as well as image creation and animation techniques. The practices are geared towards real-world tasks encountered by users of the Autodesk 3ds Max software in the Architecture, Interior Design, Manufacturing and Fabrication industries. Advanced topics such as character modelling, character animation and rigging are not covered on this course.

COURSE MODULES

- 3ds Max Interface and Workflow
- Assembling Files
- 3D Modelling with Primitives and 2D Objects
- Creating and Modifying 3D Objects
- Materials and Maps
- Autodesk 3ds Max Lighting
- Cameras and Exposure Control
- Rendering
- Animation for Visualisation

OTHER INFORMATION

Prerequisites

Experience with 3D modelling is recommended.

Course Duration

4 Days

Next Steps

A bespoke course



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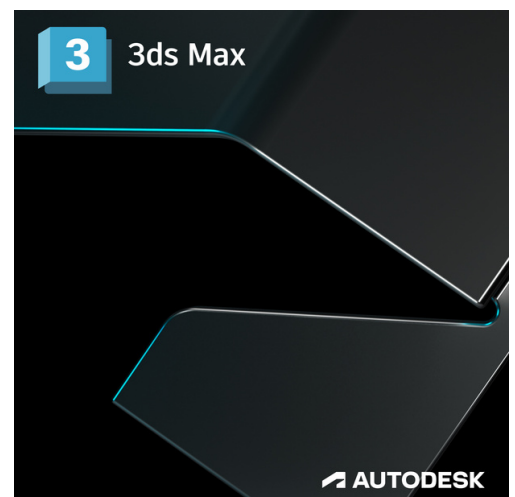
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Autodesk VRED Fundamentals 2 Days

COURSE DESCRIPTION

On this course you will learn the features and functions of Autodesk VRED in the context of a workflow. If you are a CAD modeller wanting to improve speed and superior quality of real-time dynamic rendering or a manager or designer wanting to create super high quality rendering for presentation materials, this course is ideal for you.

COURSE MODULES

- Introduction and Navigation
- Data Preparation
- Data Optimisation
- VRED Scenegraph
- Materials
- Material Management
- Cameras (Setup and Viewpoints)
- Lighting Models in OpenGL
- Ray Tracing
- Rendering

OTHER INFORMATION

Prerequisites

A working knowledge of CAD modelling.

Course Duration

2 Days

Next Steps

A bespoke course



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Autodesk Alias Fundamentals **Bespoke**

COURSE DESCRIPTION

Alias is the premier CAD studio application for concept and surface design, enabling you to create high-quality, feasible CAD models. This course will teach you how to create, modify and analyse data, and export this data into formats that are useable in other CAD applications.

COURSE MODULES

- Manipulating Views
- Manipulating Entities
- Working with Layers
- Sweeping
- Extruding
- Revolving
- Offsetting
- Blending
- Modifying Geometry
- Moving, Scaling, Flipping and Rotating Objects
- Trimming Curves
- Trimming Surfaces
- Creating Curves
- Creating Copies of Objects
- Aligning Objects
- Combining Objects
- Splitting Objects
- Analysing Geometry
- Shading Models

OTHER INFORMATION

Prerequisites

A working knowledge of CAD modelling.

Course Duration

Bespoke

Next Steps

A bespoke course



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CONTACT US



www.manandmachine.co.uk



01844 263700



sales@manandmachine.co.uk

man  machine