

AutoCAD 3D Solid Modelling

Training Course Content



Course Overview

The objective of this course is to enable students to use their 2D CAD knowledge to create 3D models for design or visualization purposes.

Who should attend / prerequisites

This course is for regular users of AutoCAD (not LT) who do not wish to purchase other Autodesk 3D programs such as Inventor, Fusion 360 and Revit. Whilst we recommend each of these programs for 3D over AutoCAD, you might still wish to utilize your existing AutoCAD software for 3D.

Courseware / Certificate / Instructor

Everything we do is authorised by Autodesk—the authors of AutoCAD Software. Included in the price of your course will be:-

- An Autodesk Official Training Manual with practical exercises and supporting AutoCAD files/examples.
- An e-certificate in pdf format direct from Autodesk confirming successful completion of an Accredited AutoCAD Course.
- The instructor is an Autodesk Certified Instructor (ACI) with many years experience.

Location & Facilities

Our training facility in Colchester, Essex, is an Autodesk Authorised Training Centre and has the latest AutoCAD software along with older versions if you prefer. We limit the number of attendees to a maximum of six people to ensure you have quality time with the instructor. We can provide one to one or group training at your premises anywhere in the UK.

Dates, Pricing & Discounts

We no longer run scheduled dates for our 3D course due to the rise in popularity of Revit & Fusions 360. As a result our 3D course are run on demand only. Prices per person are £750 ex VAT or £699 each for 2 people. Further discounts are available for larger bookings, please ask for details. Discounts are available for multiple bookings, please ask for details.

See <http://www.cad-bureau.co.uk/cad-training/> for exact course dates.



CAD Bureau Southern Ltd

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Summary

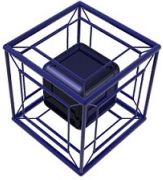
Level:	3D Solid Modelling
Type:	Hand on—Practical
Duration:	3 Days
Time:	9:15am to 4:30pm
Cost:	See Pricing
Frequency:	On Demand
Dates:	Click Here
Support:	12 Months Phone Lifetime via e-mail
Class Size:	6 people maximum
Software:	AutoCAD (NOT LT) (Latest release unless requested otherwise)
Certification:	Autodesk Authorised e-certificate
Courseware:	Autodesk Training Guide Included
Location:	Colchester, Essex or on site (at extra cost)
Prerequisites:	See main text

For further information call us on

0333 772 2025

Or e-mail steve@cad-bureau.co.uk





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Topics	Sub-Topics
Day One	
3D Foundations	Why use 3D? Introduction to the 3D Modelling Workspace, Basic 3D Viewing Tools, 3D Navigation Tools, Introduction to the 3D User Coordinate System
Simple Solids	Working with Solid Primitives, Solid Primitive Type, Working with Composite Solids, Working with Mesh Models
Creating Solids & Surfaces from 2D objects	Complex 3d Geometry, Extruded Solids and Surfaces, Swept Solids and Surfaces, Revolved & Lofted Solids and Surfaces, NURBS Surfaces
Modifying in 3D Space	3D Gizmo Tools, Aligning Objects in 3D Space, 3D Modifying Commands
Advanced Solid Editing	Editing Components of Solids, Editing Faces of Solids

Day Two	
Additional Editing Tools	Fillets and Chamfers on Solids, Creating a Shell, Imprinting Edges of Solids, Slicing a Solid along a Plane, Interference Checking, Converting Objects to Surfaces, Converting Objects to Solids
Refining the View	Working with Sections, Working with Cameras, Managing Views on 3D
Working Drawings from 3D Models	Creating Multiple Viewports, 2D Views from 3D Solids, Creating Technical Drawing with Flashshot, 3D Model Import, Automatic Model Documentation
Working with the User Coordinate System	UCS Basics, The UCS X,Y and Z Commands, UCS Multifunctional Grips, Saving a UCS by Name

Day Three	
Visualisation	Creating Visual Styles, Working with Materials, Specifying Light Sources, Rendering Concepts,
Animating	Creating ShowMotion Shots, Creating Animations

Note: The instructor may add or remove topics depending upon the ability of the students attending.

The topics above are from the Official Autodesk Training Guides that may change at the discretion of Autodesk of which we have no control.



Contact Us

Give us a call on 0333 772 2025 for more information about our services and products

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Visit us on the web at www.cad-bureau.co.uk

