

**People
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Professional Development Courses with Quadra Solutions

Autodesk Inventor Surface and Freeform Modeling

Ensure you get the most from your software with our Personal Development Courses. We're an accredited Autodesk training provider and all of our courses are delivered by experienced, specialist trainers. Our courses are designed to support your training needs and get results.

Course Description

This course covers the creation of splines and 3D sketches commonly used in surface creation. The course also covers surface creation using sketches or existing geometry to create surfaces for use in your solid models. Freeform modelling is also covered, which enables you to create complex shapes without needing the constraints required in a parametric workflow.

The training also includes training on Autodesk Inventor's surface analysis tools to evaluate the continuity between surfaces and the curvature on a surface, enabling you to conduct section analysis.

Who is this course for?

This course is designed for experienced Autodesk Inventor users.

Objectives

The primary objectives of this course are to introduce delegates to surface creation and splines.

Pre-requisites

Delegates should have completed the Autodesk Inventor Essentials course and have a working knowledge of complex assembly design using Autodesk Inventor.

Duration

One day

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Training Course Outline

- Create spline and 3D sketched entities.
- Create planar and three-dimensional surfaces.
- Combine individual surface features into a single quilted surface.
- Add or remove material in a model by referencing a surface.
- Create solid geometry using surface geometry.
- Remove portions of a surface using a reference surface or work plane.
- Manipulate the extent of a surface by extending or stretching it.
- Create a new solid face by replacing an existing solid face with surface geometry.
- Remove existing surfaces or solid faces from a model.
- Copy surfaces from one model into another.
- Create freeform geometry base shapes, faces, and converted geometry.
- Edit freeform base geometry by manipulating existing geometry or adding new elements to the base shape.
- Use the surface analysis tools to evaluate continuity between surfaces, check draft values, analyse curvature on a surface, and review sectioned areas of the model.

Training Services

Ensure you get the most from your software with our training & technical support services. We're accredited to provide Autodesk training and our experienced technical team are able to tailor training to the needs of delegates. Training can be delivered at both our Accredited Training Centre in Lancashire or at a venue of your choice.

Booking your Professional Development Course

For more details on booking your Autodesk Professional Development Course contact us now on 01254 301 888 or email training@quadrasol.co.uk. For the full list of training courses, services and products we provide please go to www.quadrasol.co.uk for more information.

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