Autodesk Inventor 2025: Sheet Metal Design

Category: Design & Creative | **Vendor:** Autodesk

Duration: 2.00 hours (1 days) **1.6 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: vILT

Who Should Attend

Access to the 2025.0 version of the software, to ensure compatibility with this course. Future software updates that are released by Autodesk may include changes that are not reflected in this course. The practices and files included with this course are not compatible with prior versions (e.g., 2024)., The material covered in this course assumes a mastery of Autodesk Inventor basics as taught in Autodesk Inventor: Introduction to Solid Modeling., Knowledge of sheet metal processing is an asset, but not required.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesUnderstanding the Autodesk Inventor Sheet Metal interface and workflowCreating base faces, contour flanges, and contour rollsCreating secondary faces, contour flanges, and contour rollsWorking with sheet metal parametersCreating flangesAdding hems, folds, and bends to sheet metal modelsAdding corner rounds and chamfers to sheet metal modelsRemoving geometry from a sheet metal model (holes, cuts, and punch features)Controlling sheet metal geometry using corner seams (seams and miters)Generating flat patternsCreating lofted flangesCreating rip features to permit the flattening of the sheet metal geometryUnfolding and refolding sheet metal geometryDesigning multi-body sheet metal modelsDocumenting and annotating sheet metal drawingsConverting solid models to sheet metal modelsWorking with sheet metal styles, Course ObjectivesUnderstanding the Autodesk Inventor Sheet Metal interface and workflowCreating base faces, contour flanges, and contour rollsCreating secondary faces, contour flanges, and contour rollsWorking with sheet metal parametersCreating flangesAdding hems, folds, and bends to sheet metal modelsAdding corner rounds and chamfers to sheet metal modelsRemoving geometry from a sheet metal model (holes, cuts, and punch features)Controlling sheet metal geometry using corner seams (seams and miters)Generating flat patternsCreating lofted flangesCreating rip features to permit the flattening of the sheet metal geometryUnfolding and refolding sheet metal geometryDesigning multi-body sheet metal modelsDocumenting and annotating sheet metal drawingsConverting solid models to sheet metal modelsWorking with sheet metal styles, Course ObjectivesUnderstanding the Autodesk Inventor Sheet Metal interface and workflowCreating base faces, contour flanges, and contour rollsCreating secondary faces, contour flanges, and contour rollsWorking with sheet metal parametersCreating flangesAdding hems, folds, and bends to sheet metal modelsAdding corner rounds and chamfers to sheet metal modelsRemoving geometry from a sheet metal model (holes, cuts, and punch features)Controlling sheet metal geometry using corner seams (seams and miters)Generating flat patternsCreating lofted flangesCreating rip features to permit the flattening of the sheet metal geometryUnfolding and refolding sheet metal geometryDesigning multi-body sheet metal modelsDocumenting and annotating sheet metal drawingsConverting solid models to sheet metal modelsWorking with sheet metal styles, Course ObjectivesUnderstanding the Autodesk Inventor Sheet Metal interface and workflowCreating base faces, contour flanges, and contour rollsCreating secondary faces, contour flanges, and contour rollsWorking with sheet metal parametersCreating flangesAdding hems, folds, and bends to sheet metal modelsAdding corner rounds and chamfers to sheet metal modelsRemoving geometry from a sheet metal model (holes, cuts, and punch features)Controlling sheet metal geometry using corner

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Detailed Course Outline

Introduction to Sheet Metal Modeling, Introduction to Sheet Metal Modeling, Introduction to Sheet Metal Modeling, Sheet Metal Base Features, Sheet Metal Base Features, Sheet Metal Base Features, Sheet Metal Secondary Features, Sheet Metal Secondary Features, Sheet Metal Secondary Features, Flanges, Flanges, Flanges, Bending Sheet Metal, Bending Sheet Metal, Bending Sheet Metal, Corner Rounds and Chamfers, Corner Rounds and Chamfers, Corner Rounds and Chamfers, Sheet Metal Cuts, Sheet Metal Cuts, Sheet Metal Cuts, Corner Seams, Corner Seams, Corner Seams, Flat Pattern Environment, Flat Pattern Environment, Flat Pattern Environment, Lofted Flanges and Rips, Lofted Flanges and Rips, Lofted Flanges and Rips, Unfold and Refold, Unfold and Refold, Unfold and Refold, Multi-Body Sheet Metal Modeling, Multi-Body Sheet Metal Modeling, Multi-Body Sheet Metal Modeling, Documentation and Annotation, Documentation and Annotation, Documentation and Annotation, Converting Parts to Sheet Metal, Converting Parts to Sheet Metal, Converting Parts to Sheet Metal

Frequently Asked Questions

Q: What delivery options are available for Autodesk Inventor 2025: Sheet Metal Design?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Autodesk Inventor 2025: Sheet Metal Design course provides up to 1.6 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Autodesk Inventor 2025: Sheet Metal Design training?

The training takes place over 1 day(s), with each day lasting approximately 2.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Autodesk Inventor 2025: Sheet Metal Design?

Yes, we provide corporate training, dedicated training, and closed classes for Autodesk Inventor 2025: Sheet Metal Design. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Autodesk Inventor 2025: Sheet Metal Design, Autodesk, vILT, Autodesk Inventor 2025

Q: Why choose Nexus Human for Autodesk Inventor 2025: Sheet Metal Design?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Autodesk Inventor 2025: Sheet Metal Design training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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