

Autodesk Inventor Sheet Metal Training Course

Sheet Metal Course Overview

Learn how to design, unfold, and manufacture sheet metal components using Autodesk Inventor. This private and customisable instructor-led course provides a comprehensive foundation in sheet metal design, covering everything from core modelling techniques to flat pattern generation and fabrication-ready outputs.

Through hands-on projects and guided instruction, participants will gain the skills to create accurate sheet metal parts, apply industry-standard rules, and produce production-ready drawings and files.

Autodesk Inventor Sheet Metal Training Course Outline

- Chapter 1: Introduction to Sheet Metal Modelling
 - Sheet metal concepts
 - Sheet metal terminology
 - Sheet metal environment
 - Sheet metal design process
- Chapter 2: Sheet Metal Base Features
 - Applying sheet metal defaults
 - Creating base faces
 - Contour flanges and contour rolls
- Chapter 3: Sheet Metal Secondary Features
 - Sheet metal parameters
 - Bend relief shapes
 - Secondary faces, flanges, and rolls
- Chapter 4: Flanges
 - Creating flanges
 - Corner relief options
- Chapter 5: Bending Sheet Metal
 - Hems
 - Folds
 - Bends
- Chapter 6: Corner Rounds and Chamfers
 - Corner rounds
 - Corner chamfers
- Chapter 7: Sheet Metal Cuts
 - Cut features and holes
 - Punch tools and punch creation
 - Cuts using surfaces
- Chapter 8: Corner Seams
 - Corner seams and mitres
 - Corner rips
 - Seam and bend conversions
- Chapter 9: Flat Pattern Environment

- Creating flat patterns
- Orientation and clean-up
- Bend angles and punch representation
- Exporting to DXF/DWG
- Chapter 10: Lofted Flange and Rips
 - Lofted flange
 - Rip features
- Chapter 11: Unfold and Refold
 - Unfolding and refolding geometry
- Chapter 12: Multi-Body Sheet Metal Modelling
 - Multi-body workflows
- Chapter 13: Documentation and Annotation
 - Sheet metal drawings
 - Bend and punch notes
 - Bend tables and punch tables
 - Bend order and centrelines
- Chapter 14: Converting Parts to Sheet Metal
 - Converting solid models
 - Working with non-ruled surfaces

Autodesk Inventor Sheet Metal Training Course Delivery Format

- 8-Hours (4 x 2-Hour Sessions) Training
- Delivered remotely over MS Teams
- Sessions are recorded and download links are provided after each session for your future use and reference.
- Pricing is based on 1-3 people. Additional people are at an additional cost of \$550 per person.
- Volume Discounts apply for 5+. Please contact us.
- Training is usually broken up into 2 or 4-hour sessions in the morning and flexible (i.e. consecutive or Monday, Wednesday, Friday, etc.)
- Training sessions can start within 14 days of booking
- Courses are private and topics can be customised to suit
- Includes Certificate of Completion
- Training manuals are an additional \$145 Ex. GST per digital manual

Who Should Attend the Autodesk Inventor Sheet Metal Training Course?

- New users of Autodesk Inventor
- Inventor Users wanting to learn the Sheet Metal Tools
- Draftspersons transitioning to 3D
- Engineering professionals seeking formal training