

# Inventor Sheet Metal Design

## Training course outline

This course teaches the fundamental principles and techniques required to create sheet metal design in Autodesk Inventor.



### Course summary

Teaches how to create and manage sheet metal designs in Autodesk Inventor. Delegates learn basic sheet metal concepts and techniques, and then build on this knowledge covering complex modeling practices for forming sheet metal parts, assemblies and drawings.

### Duration

Two days.

### Who should attend?

Experienced Inventor users looking to expand their knowledge to work with sheet metal. Delegates should be familiar with the techniques taught in our *Inventor Essentials* course.

### In-class or live online

You can attend course in-person at any of our centres, or participate online from your place of work or home.

To read about our approach to online training, see [armada.co.uk/live-online-training](http://armada.co.uk/live-online-training).

### General information

Armada is an Autodesk authorised Training Centre (ATC), and our *Inventor Sheet Metal Design* course is accredited by Autodesk.

Inventor courses are hosted by Autodesk Certified Trainers (ACTs) with vast experience of using Inventor in industry.

*Inventor Sheet Metal Design* training is arranged on-request, i.e. one-to-one training or a 'closed course' for your group. This means that the training can be:

- Provided when it suits you.
- Adapted to reflect the sheet metal work you're going to be doing, focusing on topics that are most important to you.

Whilst attending training at our centres, delegates have the use of a computer running licensed

Inventor software to practice the techniques taught. Refreshments and lunch are provided.

Course fees can be paid by card or bank transfer. We accept purchase orders from UK-registered companies and public sector organisations.

If you're self-funding your training, you can pay in staged payments, interest-free, over 12 months.

### Course materials and certificate

Delegates receive:

- A comprehensive Inventor sheet metal training guide.
- An e-certificate from Autodesk confirming attendance on an accredited *Inventor Sheet Metal Design* course.

### Method of delivery

Training is designed for the busy professional, being short and intensive and combining lecture and demonstration. Practical exercises carried out under guidance help delegates to learn the techniques taught.

### After course support

Following training, you are entitled to 30 days email support from your trainer.

### Further information

See [armada.co.uk/course/inventor-sheet-metal-design-training](http://armada.co.uk/course/inventor-sheet-metal-design-training).

### Course syllabus

See over.

# Course syllabus

Topics	Sub-topics
<b>Sheet metal overview</b>	Introduction to sheet metal Sheet metal design methods Sheet metal styles Industry techniques and standards
<b>The sheet metal environment</b>	Faces Flanges Contour Flanges Hems
<b>Sheet metal operations</b>	Cutting Sheet metal punching Corner seams Folding Bending Creating holes Creating corner rounds and corner chamfers Work features Pattern features Mirror features

Topics	Sub-topics
<b>Sheet metal design techniques</b>	Sheet metal design approaches Using skeletal models Using legacy DXF™ and DWG™ flat layout geometry Using legacy 3D geometry Complex sheet metal creation techniques Punch library setup
<b>Using flat patterns</b>	Flat pattern creation and cleanup DXF™ and DWG™ export Tolerances in bends
<b>Documenting sheet metal designs</b>	Creating sheet metal drawings Sheet metal documentation Notating bend and punch tables