

# Inventor Sheet Metal Design

## Training course outline

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.

### Prerequisites

You should have a good working knowledge of Inventor for 3D parametric modelling, i.e. be familiar with the topics taught in our *Inventor Essentials* course (see [armada.co.uk/inventor/syllabus](http://armada.co.uk/inventor/syllabus)).

### In-class or live online

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

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

### General information

Armada is a long-standing Autodesk authorised Training Centre (ATC), and our courses are accredited by Autodesk.

Courses are hosted by Autodesk Certified Instructors (ACIs) with vast experience of using the application professionally.

Whilst attending training at our centres, you'll have the use of a computer running licensed 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.

### Course materials and certificate

You'll receive:

- A comprehensive training guide and practice files.
- An e-certificate confirming successful completion of 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 you learn the techniques taught.

You have ample opportunity to discuss specific requirements with the trainer.

### After course support

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

### Further information

See [armada.co.uk/course/inventorsheetmetal](http://armada.co.uk/course/inventorsheetmetal).

### Course syllabus

See over.

# Course syllabus

Sessions	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

Sessions	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