

# Autodesk Inventor Sheet Metal Design

## Course Description

This course introduces the concepts and techniques of sheet metal modelling with Autodesk Inventor. The structure of the course follows the typical stages of using Inventor and will teach you how to create sheet metal parts, edit them, generate flat patterns, and document the designs in drawings.















## Prerequisites

The class assumes prior knowledge of 3D solid part modelling using Autodesk Inventor. In addition, some background with designing and drafting 3D parts is recommended. Although it is not required, knowledge of sheet metal processing is helpful as you will learn to use the sheet metal design tools.



## Topics Include

-  Autodesk Inventor Sheet Metal Interface
-  Sheet Metal Design Process
-  Creating base Faces, Contour Flanges, and Contour Rolls
-  Creating secondary Faces, Contour Flanges, and Contour Rolls
-  Sheet Metal Parameters
-  Creating Flanges
-  Creating Hems, Folds, and Bends
-  Corner Rounds and Chamfers
-  Sheet Metal Cuts (Holes, Cuts, and Punch Features)
-  Corner Seams (Seams and Miters)
-  Generating Flat Patterns
-  Lofted Flanges
-  Rips
-  Unfolding and Refolding
-  Multi-Body Sheet Metal Modelling
-  Documentation and Annotation of drawings
-  Converting Solid Models to Sheet Metal Models
-  Sheet Metal Styles

Course Duration: 2 Days

Next Step: Inventor Advanced Assembly Modelling