



Sheetmetal Design using Pro/ENGINEER Wildfire 4.0

Course Code TRN-2177-T

Course Length 2 Days

Overview

Sheetmetal Design using Pro/ENGINEER Wildfire 4.0 is a comprehensive training course that teaches you how to create sheetmetal parts in Pro/ENGINEER.

The course builds upon the basic lessons you learned in Introduction to Pro/ENGINEER Wildfire 4.0 and serves as the second stage of learning. In this course, you will learn how to design sheetmetal parts and assemblies, including sheetmetal production drawings. All the functions needed to create sheetmetal parts, drawings, and assemblies are covered.

Upon completion of this course, you will be able to create sheetmetal design models, create the flat state of the model, and document both in production drawings.

At the end of each day, you use the Pro/FICIENCY skills assessments to reinforce your understanding of the course topics.

Prerequisites

Successful completion of T2169 - Introduction to Pro/ENGINEER Wildfire 4.0 or equivalent experience.

Audience

This course is intended for design engineers, mechanical designers, and industrial designers. People in related roles can also benefit from taking this course.

Course Objectives

- The Sheetmetal Design Process
- Sheetmetal Model Creation, Conversion, and Display
- Methods of Developed Length Calculation
- Primary Wall Features
- Secondary Wall Features

- Partial Walls
- Bend Relief
- Unbend and Bend Back Features
- Sheetmetal Bend Features
- Flat Patterns
- Sheetmetal Cuts
- Forms
- Notch and Punch Features
- Sheetmetal Environment Setup
- Sheetmetal Design Information Tools
- Sheetmetal Design Rules
- Detailing Sheetmetal Designs
- Sheetmetal Design Project

Agenda

Day 1

Module 1 Introduction to the Pro/ENGINEER Wildfire Sheetmetal Design Process

Module 2 Sheetmetal Model Fundamentals

Module 3 Creating Primary Sheetmetal Wall Features

Module 4 Creating Sheetmetal Secondary Wall Features

Day 2

Module 5 Modifying Sheetmetal Models

Module 6 Sheetmetal Bends and Setting Up the Sheetmetal Environment

Module 7 Special Sheetmetal Tools

Module 8 Detailing Sheetmetal Designs

Module 9 Design Project

