

# Solid Edge Fundamentals

## Training Syllabus

### Day 1

**Exploring Solid Edge** – environments, interface, learning tools

#### PART

**Design workflow** – how to get started

**2D Sketches and Layouts** – 2D sketches and profiles.

IntelliSketch tool, methods for editing, modifying and managing sketches, dimensioning, geometric relationships, variability

**Profile Based Features** – protrusions, cutouts, revolved features, *edit* process for the above, EDGEBAR intro

**Profile Based Features (cont'd)** - shells, ribs, holes, editing process

### Day 2

Review

**Treatment Features** – Thin Wall, Draft, Round/Chamfer, Patterns, Lofts, more on EDGEBAR

#### DRAFT

**Drawing Creation** – Initial, Principle, Auxiliary, Section and Detail Views, Manipulating Views, Additional Sheets, View Properties

**Dimensions** – Placement and orientation of dimensions, Edge Display

### Day 3

#### ASSEMBLY

**Assembly Design** – building assembly files, placing and positioning parts into the assembly, relationships, properties, EDGEBAR

**Assembly Design (cont'd)** – Exploded views, changing and sharing assemblies, colors and display configurations

**Drawing Creation** – draft views with assemblies, tools for assembly display, large assembly view management

#### **Day 4**

**Draft sheet** – assembly options: BOM, exploded view, hole tables...

**Sheet Metal** – features and process for sheet metal part design, differences from part design process

**Flat patterns** – creating and changing, tools for machining, draft documents

**Document Management Basics** – Properties, Searches, Routing  
Revision Management

NOTE: This is an abbreviated syllabus. Subject matter is flexible and can be changed in both content and day of coverage. Handouts and exercises are completed to review each subject area.