

Mechanical Design
Solutions

GS1: CATIA Surface Design

Course Code	EDU-CAT-E-GS1-F
Brand & Release	CATIA V5R19
Duration	1 day
Level	Fundamentals

Objectives

Upon completion of this course you will be able to:

- Identify and use the tools specific to the Generative Shape Design workbench
- Create simple reference and Wireframe geometry
- Use the reference wireframe elements to create simple surfaces
- Create clean topology from a set of surfaces and smooth sharp edges
- Detect and correct the discontinuities on curves and surfaces
- Create solids from surfaces

Participants' Profile

Mechanical Surface Designers

Prerequisites

Students attending this course should be familiar with the CATIA V5 interface

Content

This course introduces you to the Generative Shape Design interface and basic tools.
 You will be taught wireframe and surface creation and you will familiarize yourself with the hybrid design.
 This course focus on the Generative Shape Design tools that are available with a MD2 license.

- Introduction to Surface Design
- Creating Wireframe Geometry
- Shape Design Common Tools
- Creating Surfaces
- Performing Operations on the Geometry
- Completing the Geometry in Part Design
- Modifying the Geometry
- Using Tools
- Master Exercise: Mobile Phone