



*Hands on, Measurable
Training Programs*

CATIA V5 to 3DEXPERIENCE Mechanical Design Transition

Course Code	CAT-EN-3DMT-F-15-181
Brand & Release	CATIA 3DEXPERIENCE R2018x
Duration	2 days
Level	Fundamental
Prerequisites	Mechanical Designers familiar with CATIA V5

Objectives:

This course will teach you the new interface and functionalities of the 3DEXPERIENCE platform. You will learn how to connect to the platform, manage your projects and search documents. You will learn how to design a part with the 3DEXPERIENCE platform, insert the part in a product, position and constrain it. You will learn how to assign material properties, compute weight and complete a simple drawing. You will also learn how to create a new part version, replace the original part and update the product. Finally, you will learn how to manage complex product structures, create product features, manage catalogs and analyze assemblies.

Class Structure:

Upon completion of this course you will be able to:

- Understand the 3DEXPERIENCE interface
- Connect to the 3DEXPERIENCE Platform
- Search, open and explore 3D data
- Import and export data using 3DXML
- Navigate in CATIA and use the Action Bar
- Create new parts and products
- Insert a part in a product and position it
- Apply materials to parts
- Calculate the weight of a product
- Insert and complete a new drawing
- Create a new part version
- Replace a part and update a product
- Design parts in context
- Create assembly features and catalogs
- Analyze the assemblies

Class Lessons:

3DEXPERIENCE Interface for Design/Engineering

Lesson 1: Creating New Content

Lesson 2: Creating a New 3D Part

Lesson 3: Creating Engineering Connections

Lesson 4: Calculating the Weight

Lesson 5: Creating a Drawing

Lesson 6: Creating a New Revision

Master Exercise: Motherboard Assembly

Lesson 7: Managing Product Structure

Lesson 8: Designing in Context

Lesson 9: Working with Large Assemblies

Lesson 10: Creating Assembly Features

Lesson 11: Creating and Using Catalogs

Lesson 12: Analyzing Assemblies

Master Exercise: Car Front Assembly