

# TECMAVEN

## Transition to the 3DEXPERIENCE Platform for Mechanical Designers

<b>Course Duration</b>	2 Days
<b>Level</b>	Fundamental
<b>Audience</b>	Designers who need to work with mechanical parts.
<b>Description</b>	<p>This course addresses the needs of Mechanical Designers working on cloud. It will first teach you how to design a new part with the 3DEXPERIENCE platform, insert the part in a product then position and constrain it. You will learn how to assign material properties and compute weight, then complete a simple drawing. Finally, you will learn how to create a new part version, replace the original part and update the product. More advanced topics will also be covered: they will teach you how to manage complex product structures, create product features, manage catalogs and analyze assemblies.</p>
<b>Objectives</b>	<p>Upon completion of this course you will be able to:</p> <ul style="list-style-type: none"><li>• Create new products and parts</li><li>• Insert a part in a product and position it</li><li>• Apply materials to parts</li><li>• Calculate the weight of a product</li><li>• Insert and complete a drawing</li><li>• Create a new part version</li><li>• Replace a part and update a product</li><li>• Design parts in context</li><li>• Create assembly features and catalogs</li><li>• Analyze the assemblies</li></ul>
<b>Prerequisites</b>	<p>Students attending this course should have completed the Gateway to the 3DEXPERIENCE platform course. They should also be familiar with CATIA V5 Mechanical Design.</p>