

Mechanical Design Solutions

**V5VC: V5
 Automotive -
 Fundamental Course
 for Chassis
 Designers**

| | |
|-----------------|------------------|
| Course Code | EDU-CAT-E-V5VC-F |
| Brand & Release | CATIA V5R19 |
| Duration | 7 days |
| Level | Fundamentals |

Objectives

| | |
|--|---|
| | <p>This course will introduce the fundamental concepts that are required to build simple automotive parts and assemblies in CATIA V5, and teaches how to make simple drawings of those parts and assemblies. It will introduce you to the correct surface modeling methodology necessary for body or chassis design.</p> <p>At the end of the course students will be able to:</p> <ul style="list-style-type: none"> - Understand the CATIA V5 interface - Plan the construction of an automotive part in order to properly convey its visual and functional aspects - Create simple automotive parts in CATIA V5 - Use correct surface modeling methodology for body or chassis design - Understand how to design and manage parts in the context of an assembly - Produce simple drawings and assembly layouts |
|--|---|

Participants' Profile

| | |
|--|--------------------------------------|
| | Automotive Chassis or Body Designers |
|--|--------------------------------------|

Prerequisites

| | |
|--|------|
| | None |
|--|------|

Content

| | |
|--|--|
| | <p>This course is made up of 12 lessons.</p> <p>Lessons 1- 6: Introduction to basic modeling in CATIA V5 Lessons 7 - 9: Surface Modeling for Chassis / Body Design Lessons 10 - 11: Assembly Design Lessons 12: Drafting Maste Project</p> |
|--|--|

Exercises