

CATIA V5 Fundamentals Training Course

INTRATECH work as an extension of your team to offer an exceptional PLM experience. We combine your goals and passion, with our knowledge, creating shared experiences. We adopt the latest tech and agile methodologies so, even as technology changes, our relationships last a lifetime.

We are a Dassault Systèmes Authorized Certification centre and an OEM Endorsed Training Provider. Training with INTRATECH supports your use of technology, creating new innovations, adopting new tools and methodologies. We use our own experienced engineers to deliver training courses covering the 3DEXPERIENCE® platform, CATIA, ENOVIA, DELMIA and SIMULIA Abaqus.

Objectives

This course is designed to provide you with a broad skill set for using CATIA V5. It is a starting point for CATIA and the knowledge gained is a prerequisite for many more specialised training courses. CATIA V5 Fundamentals should not be viewed as just a basic course as together with the key CATIA skills that are on offer the student will also pick up some very important engineering methodologies.

The course includes a mixture of presentation, tutorial and exercises, enabling students to gain hands-on experience.

Course sizes are intentionally kept small, typically 6 students. This allows our trainers to meet the requirements of individual students, while relating course content to work related issues.



Duration

5 Days



Portfolio

New CATIA V5
Mechanical Designers



Pre-Requisite

- Mechanical design experience
- Experience with the Windows operating system

Course Content

Days	Content
Day 1	• Introduction to CATIA V5 • Sketcher - Dimensioning Constraints • Creating solids - Pads & Pockets, Shafts and grooves, Holes, Ribs and slots and Lofts
Day 2	• Advanced sketcher - Linking dimensions, Copy geometry and sketch analysis • Transformations - Rectangular patterns, User define patterns and Mirror • Dress-up Features - Fillets/Chamfers, Draft/Shell and Thickness/Threads
Day 3	• Advanced solids - Multi body solids, Boolean operations, Part validation, Measure and Draft analysis • Wireframe geometry - Creating planes, Creating points and Creating lines
Day 4	• Surfaces - Extrude, Revolve, Offset, Sweep, Fill, Loft, Blend, Trimming and Joining • Assemblies - Manipulation, Snap and Constraints
Day 5	• Assemblies - Design in context, Validation and Bill of materials • Drafting - Creating drawing, Add views, Isometric views, Section views, Title block, Adding dimensions and Adding notes



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For more information about our available training courses, visit our website www.intratechsa.co.za or email us on training@intratechsa.co.za

