

CATIA V5-6R2018 Training

Introduction for Experienced 3D CAD Users



Course Length: 3 days

This training course is intended to provide accelerated introductory training in CATIA V5-6R2018 software. This training course is designed for users who have 3D modeling design experience with other 3D CAD software packages (e.g., Creo Parametric™, Inventor™, NX™, SolidWorks®, etc.).

By leveraging the experience users gain in working with other 3D modeling software packages, this hands-on, practice-intensive guide is developed so that users who are new to CATIA can benefit from a shorter, introductory-level, training course. You are taught how to find and use the modeling tools associated with familiar modeling strategies that are used in other 3D CAD software. You will acquire the knowledge necessary to complete the process of creating models from conceptual sketching, through to solid modeling, assembly design, and drawing production.

Course Topics:

- Customization of CATIA V5 Environment
- Creating and Constraining Sketch Geometry
- Sketched Feature Techniques and Formulas
- Adding Material with Pad and Shaft Features
- Thin Features, Stiffeners
- Removing Material with Pocket and Groove Features
- Rib and Slot Features
- Creating Reference Elements for Construction and Measurement
- Fillet, Chamfer, Hole, Draft, and Shell Dress-Up Features
- Pattern, Copy, and Mirror Duplication Features
- Obtaining Part Information
- Generative Drafting View Creation
- Generative Drafting Dimensioning and Annotation
- Multi-Sections Solid Features
- Feature Management using the Hide/Show, Activate/Deactivate Functions
- Parent/Child Relationships and Feature Failure Resolution
- Assembly Design Workbench
- Constraint Creation, Assembly Management, and PDM Considerations
- Obtaining Assembly Information (Measure, Clash, and Bill of Materials)
- Working with Multi-Body Models

Prerequisites: Experience in mechanical design and drawing production using 3D CAD software



Learn Where It's Convenient for You

Attend Classes:

- Online with an instructor
- At one of our training centers
- At your on-site training facility
- At a location of your choice (via our mobile training labs)

Contact us:
training@rand.com
877.726.3243



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Class curriculum is developed by ASCENT, developers of professional training courseware and technical documentation for Autodesk, Dassault Systèmes and PTC software.