

CATIA V5-6R2018 Training

Functional Tolerancing & Annotation



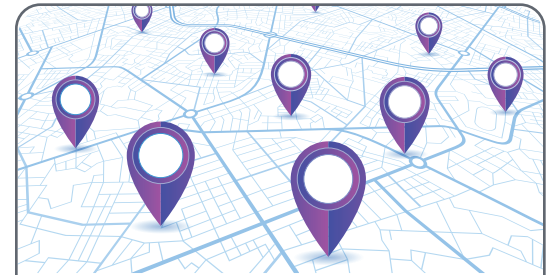
Course Length: 1 day

Acquire the skills to create and display engineering, manufacturing, and assembly information directly on the 3D part, assembly, or process model. This extensive hands-on course will provide you with a thorough understanding of geometric tolerances, dimensions, notes, and other annotations critical to the accurate and cost-effective creation of mechanical parts and assemblies. The 3D Functional Tolerancing & Annotation course complies with the industry and government initiated American Society of Mechanical Engineers' (ASME) Y14.41 3D standards for the creation and submission of model only, paperless design applications

Course Topics:

- Introduction to Functional Tolerancing & Annotation
- Workbench overview
- Annotation process
- Extracting 2D view from the 3D model
- Annotation planes and extraction views
- Construction geometry
- Semantic and non-semantic annotations
- Datum Reference Frames
- Tolerance Advisor
- Basic Dimensions
- Annotations: Text, Flag Notes, Datum Elements, Datum Targets, Roughness, Dimensions
- Restricted Areas
- Threads
- Annotation Visualization Tools: Query, Grouping, Leader Symbols, Annotation Mirror and Transfer, Filters
- Cameras and Captures
- Geometry Connection Management
- FT&A analysis and reporting
- Product Functional Tolerance and Annotation workbench

Prerequisites: CATIA Introduction to Modeling, working knowledge of GD&T application



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:
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