

# TECHNIA

PART OF ADDNODE GROUP

## CATIA 3D Functional Tolerancing and Annotation (FT&A) training course

As a leading knowledge company, TECHNIA offers world class engineering and PLM training, delivering new learning strategies in addition to consultancy and classic training in 3DEXPERIENCE®, CATIA, SOLIDWORKS, GD&T and SIMULIA.

Our trainers are qualified engineers who use these tools daily within our own engineering business. As a result, our training courses have been developed to suit delegates based on our own experiences.

TECHNIA's Training Services enable you to take full advantage of leading your Dassault Systèmes and TECHNIA solutions to efficiently reach your business goals.



## CATIA 3D Functional Tolerancing and Annotation (FT&A) training course

### DURATION

1 day

### Participant's Profile

Suited towards individuals involved in the design and manufacturing processes

### Prerequisites

Basic solids & surfaces creation, (CATIA V5 Fundamentals or equivalent)

### Objectives

CATIA 3D Functional Tolerancing and Annotation (FT&A) is a CATIA product allowing easy definition and management of tolerance specifications and annotations of 3D parts and products. FT&A allows customers to reduce their reliance on 2D drawings and instead increase the use of 3D as the master representation. The product also allows users to check the correctness of all the annotations of the active product or part relating to the standard used.

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.

### The course covers the following content:

1. What is 'GD&T' and the benefits of employing it.
2. What is 'Model Based Definition' and the benefits of this approach.
3. Introduction to the toolbars and FT&A commands.
4. How to generate view planes within a model.
5. What are projected views, Section Views and Section Cut Views.
6. How to create Camera views and Captures.
7. Introduction to the Tolerance Advisor tool.
8. How to create Datum Reference Frames.
9. How to apply GD&T to a simple model –(examples of Form/Orientation/Location/Profile/Runout).
10. How to apply notes and other annotations from outside of the Tolerance Advisor tool.
11. How to create model-driven 2D Drawings.
12. Recap and review

### TECHNIA TRAINING FACILITIES

Courses are available both online or as classroom courses. If you have a large number of delegates that require training we can also offer company specific courses either online, in-house (at TECHNIA) or on your own site.

Milton Keynes: This purpose built training centre is within TECHNIA UK HQ, centrally located in the heart of Buckinghamshire. [View on Map.](#)