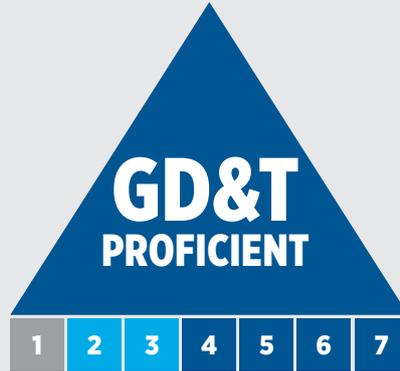


THE LEVELS OF GD&T PROFICIENCY

We recommend taking GD&T training in this order. Utilize our mentoring and consulting services to reinforce training on-the-job.

Contact ETI for more information on GD&T training and resources +1.800.886.0909 or visit etinews.com.



CRITICAL CONCEPTS OF TOLERANCE STACKS

Understand the six critical concepts of tolerance stacks. Analyze the cumulative effect of tolerances to create tolerances on parts and assemblies. Learn an in-depth explanation of how to use tolerance stacks to analyze product designs and how to use geometric tolerances in stacks. Learn the essential methods and concepts used for creating 1D part and assembly tolerance stacks.

GD&T APPLICATIONS USING COMPANY DRAWINGS

Apply GD&T to drawing and convert product requirements into GD&T specifications. Learn how to do a design function analysis on a part assembly and specify GD&T on assembly components.

GD&T FUNDAMENTALS

Understand part requirements and interpret common GD&T specifications on drawings using critical thinking skills. An in-depth explanation of geometric tolerancing symbols, their tolerance zones, applicable modifiers, common applications, and limitations.

PREREQUISITES: Engineering Drawing Requirements

7

MENTORING

6

STATISTICAL TOLERANCE STACKS

Apply statistical methods (RSS, realistic, RPL and Monte Carlo methods) to tolerance stacks.

PREREQUISITES: Critical Concepts of Tolerance Stacks

5

GD&T ADVANCED CONCEPTS

Understand part requirements and interpret complex GD&T specifications on drawings. An emphasis on non-rigid parts; learn to create statements of complex relationships through simultaneous requirements, composite and multiple single-segment tolerances. In-depth explanation of geometric tolerancing symbols, their tolerance zones, applicable modifiers, common applications, and limitations.

4

3

ENGINEERING DRAWING REQUIREMENTS

A basic class that is useful for all drawing creators and users. Overview course teaches correct interpretation of engineering drawings and covers drawing standards, drawing types, format, views and surface textures.

PREREQUISITES: Basic understanding of engineering drawings

2

1