Geometric Dimensioning & Tolerancing Fundamentals

Mar. 17 – Mar. 18, 2026

Geometric Dimensioning & Tolerancing Fundamentals (GD&T) is a two-day workshop where participants will learn to identify, interpret, and apply the14 geometric characteristic symbols, as well as how they relate to datums. The proper interpretation of GD&T callouts will be covered, and how they impact manufacturing. The material is based on the ASME Y14.5-2018 Standard.

The purpose of this workshop is to familiarize participants with the rules and symbols of GD&T. This powerful language improves communication on mechanical drawings and has many advantages over traditional plus/minus tolerancing.

Mar. 17 – Mar. 18, 2026 (2 days)

8:30 AM – 4:00 PM

$925/person. $850 before 2/17/26
Meals and materials included

MRC – 7200A Windsor Drive
Allentown, PA 18106

Register: mrcpa.org/events

*Fees and times subject to change. Visit mrcpa.org/events for current details.

Course Highlights

- Identify and explain each of the 14 GD&T symbols
- Describe how Rule #1 controls the form of a feature
- Interpret the feature control frame
- Apply and interpret the MMC and LMC modifiers
- Identify datums and explain their role in GD&T
- Identify key changes in the 2018 standard
- Determine proper manufacturing and gauging techniques based on the GD&T

Who Should Attend

This course is intended for CAD designers, product engineers, manufacturing engineers, Manufacturing & Quality personnel, and especially those who have limited or no experience with GD&T.

Instructor | John-Paul Belanger | Certified Sr. GD&T Professional | Geometric Learning Systems

John-Paul Belanger is certified by the American Society of Mechanical Engineers as a Senior GD&T Professional. He has conducted numerous GD&T and Tolerance Stacks classes for a variety of manufacturing clients throughout North America and Europe. For four years Mr. Belanger was the primary GD&T instructor for a major automotive OEM. He has also done extensive consulting with clients in the proper application of geometric tolerancing. He holds a degree in aerospace engineering from the University of Michigan specializing in aircraft design and safety.

More information available at mrcpa.org/events or contact Nicole Pierce at nicole.pierce@mrcpa.org.
WEDnetPA eligible.