


# Geometric Dimensioning & Tolerancing Fundamentals


Mar. 12 – Mar. 13, 2024


Geometric Dimensioning & Tolerancing Fundamentals (GD&T) is a two-day workshop where participants will learn to identify, interpret, and apply the 14 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. 12 – Mar. 13, 2024** (2 days)

 8:30 AM – 4:00 PM

 \$850/person. \$775 before 2/13  
Meals and materials included

 MRC – 7200A Windsor Drive  
Allentown, PA 18106

 Register: [mrcpa.org/events](http://mrcpa.org/events)

\*Fees and times subject to change. Visit [mrcpa.org/events](http://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

Visit [mrcpa.org/events](http://mrcpa.org/events) for full course details.

## 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](http://mrcpa.org/events) or contact Nicole Pierce at (484) 655-4873 or [nicole.pierce@mrcpa.org](mailto:nicole.pierce@mrcpa.org).

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