



**GD&T**  
BASICS



# OUR MISSION

At GD&T Basics, our mission is to help our students gain the wisdom to know how to use GD&T at work, not just memorize the ASME Y14.5 GD&T standard. Our training programs are designed to enhance your understanding of GD&T principles, interpretation of engineering drawings, and practical application of GD&T symbols and controls. We directly connect GD&T to its uses in production and inspection, giving our students the perspective to see how using GD&T affects all aspects of production.

[gdandtbasics.com](http://gdandtbasics.com)



# WHO NEEDS TRAINING?

Anyone who works with engineering prints can benefit from Geometric Dimensioning and Tolerancing training, especially if you are a:



***Design Engineer***  
who creates engineering prints



***Machinist/Programmer***  
who reads prints to produce parts



***Quality Inspector***  
who inspects parts against the spec on the print



***Sales & Purchasing Executive***  
who makes management decisions



***Production Floor Associate***  
who works with prints every day



***Tooling/Gage Engineer***  
who designs equipment and gages





**On-Site Training**



**Virtual Training**

## **TRAINING DELIVERY METHODS**

We offer both live instruction training and online courses to cater to diverse learning preferences and geographical locations.

Learn more:

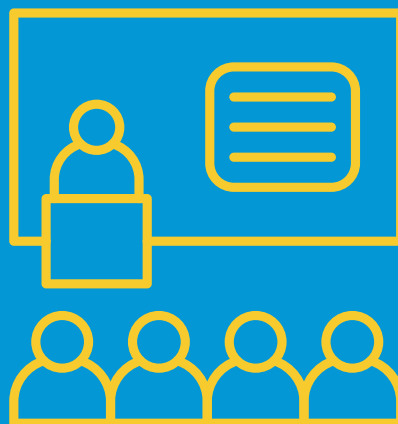
[gdandtbasics.com/gdt-training/](http://gdandtbasics.com/gdt-training/)



**Online Courses**



**Consulting**



**Public Seminars**



# OUR COURSES

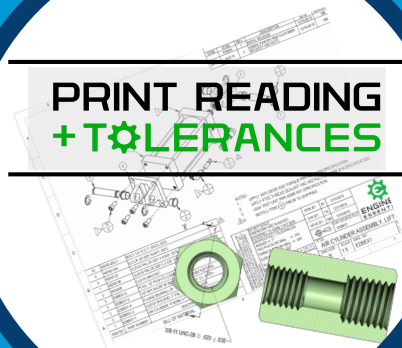
Grow in your knowledge of print reading and GD&T through our expertly crafted courses. Gain a solid foundation in GD&T and make an instant impact on your work!

[gdandtbasics.com/gdt-training/gdt-courses/](http://gdandtbasics.com/gdt-training/gdt-courses/)

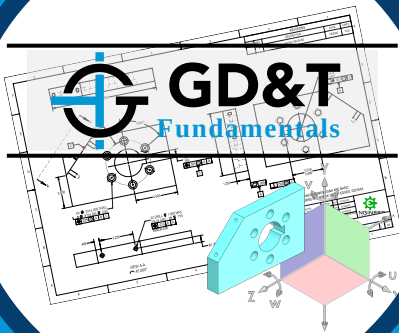


A proven process for correctly interpreting prints

PRINT READING  
+ TOLERANCES

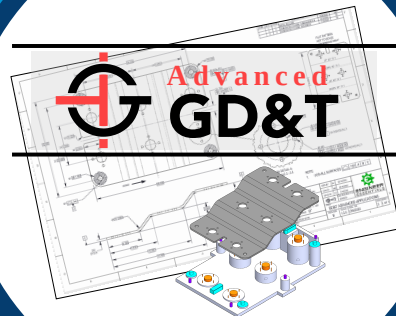


A simple framework for understanding GD&T



A deeper dive into the GD&T standards

Advanced  
GD&T



# BENEFITS OF TRAINING WITH GD&T BASICS



## Simple Framework

Conquer confusion with our straightforward approach to teaching GD&T

## Practical Examples

Learn how to solve real engineering problems by applying GD&T to actual examples.



## Flexible Formats

Access training when, where, and how you want with GD&T online training, on-site classes, public seminars, and customized solutions.

## Certified Experts

Engage with Senior-Level GD&T Certified Instructors who teach from real-world industry experience and time-tested GD&T knowledge.



## Fast Results

Implement your GD&T skills immediately with a confident grasp of how these standards impact your daily production workflow.



# MEET THE TEAM

Our senior-level GD&T Certified instructors bring decades of engineering expertise and real world GD&T knowledge to our programs.

## **Tom Geiss**

Founder & Lead  
Course Developer



As founder and owner of GD&T Basics, Tom started the company in 2015 to eliminate the skills gap that he and so many other engineers suffered through after graduating and beginning a career. Tom holds a degree in Mechanical Engineering from Clarkson University and has a mechanical design background, specializing in the automotive industry.

## **Brandon John**

Engineering  
Training Manager  
and Lead Instructor



Brandon holds a degree in Engineering and graduated with honors from Tulsa Community College. He is a journeyman machinist with 28 years of experience in design, machining, CNC programming, and manufacturing. Brandon is also the resident expert with SolidWorks, Inventor, GibbsCAM, Geomagic DesignX, and Polyworks.

## **Molly Olson**

GD&T Instructor



In addition to Senior Level GD&T certification, Molly also holds a Quality Inspector Certification (CQI) from ASME. She has nearly 20 years of inspection experience as a CMM Programmer in various industries such as aerospace, firearms, robotics, and prosthetics. Molly is a highly requested instructor for our inspection/quality customers.

## **Jason Richter**

Training Design  
Engineer



Jason holds a Mechanical Engineering degree from South Dakota School of Mines and Technology. He has industry experience in quality assurance procedures and inspections, sheet metal and weldment designs, structural analyses, and various other manufacturing processes.

## **Dean Odell**

GD&T Instructor



Dean holds a B.S. in Mechanical Engineering Technology from SUNY Polytechnic and earned a certificate of Combination Welding from Modern Welding School in Schenectady, New York. In addition to being one of our GD&T Instructors, Dean's primary career is as a college professor, teaching Print Reading, GD&T, CAD, and CMM Metrology courses at Hudson Valley Community College in Troy, New York.



# ABOUT GD&T BASICS



At GD&T Basics, we're in the business of helping our students gain the wisdom of how to utilize GD&T at work, not merely rote knowledge of the GD&T standard.

Based on our years of experience in the field, we have developed the GD&T Basics Framework – GD&T for dummies, if you will – to simplify the complex ideas behind GD&T, and explain how GD&T impacts your daily workflow and production results. We have helped thousands of companies learn to use GD&T to improve their processes and communication.

Learn how our GD&T training can help meet the challenges in your industry: [gdandtbasics.com/industries/](http://gdandtbasics.com/industries/)

## ***Companies that Trust GD&T Basics for Training***





# ADDITIONAL RESOURCES

Our goal at GD&T Basics is to provide you with the resources you need to help you understand and apply GD&T. In addition to our courses, we have a wealth of information that is always available. Click the icons to view our most popular free resources below:



## GD&T Training Videos

Access high-value videos covering GD&T topics on our YouTube channel

## GD&T Symbols Library

A comprehensive list of the GD&T symbols, with information about the meaning of the symbol and how each symbol is used



## GD&T Training Blog

Useful tips and clear explanations pertaining to GD&T print reading, design and inspection, ASME and ISO GD&T standards, and more

## GD&T Knowledge Quiz

Test your GD&T knowledge with this free skills assessment



## Industry Readlines Newsletter

A weekly roundup of the most helpful, interesting, and hilarious content from the world of design, manufacturing, and inspection



## CONNECT WITH US

Look for additional resources, specials on our training programs, and even some engineering humor to brighten your day.

