



BASIC GEOMETRIC, DIMENSIONING, AND TOLERANCING

Spring Semester 2020

May 4, 11, 18

9:00 a.m. – 5 p.m.

(Lunch 12-1 p.m. - Lunch not provided)

VIRGINIA HIGHLANDS COMMUNITY COLLEGE

21-hour Course

2.1 CEU's

TRAINING TOPICS

ASME Y14.5 – 2018 Standard

Intro to GD&T

History of GD&T

Purpose of GD&T

GD&T Symbols

GD&T Rules & Concepts

GD&T Feature Frames

GD&T Datum Reference Frames

Angularity

Perpendicularity

Profiles of Line

Profile of Surface

Part Form (Flatness, Straightness)

Part Form (Circularity, Cylindricity)

Part Orientation

Part Location

Circular Runout

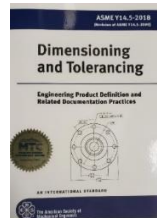
Total Runout

Surface Texture

The Manufacturing Technology Center is offering a Basic GD&T (Geometric, Dimensioning, and Tolerancing) course this spring. The Train-and-Do process uses classroom activities, combining lecture and simulation exercises.

The Manufacturing Technology Center is offering this 21-hour course in Basic Geometric, Dimensioning, and consists in three classes. The course presents the basic GD&T body of knowledge presented through from the ASME Y14.5 – 2018 standard. The course covers the current standard, and each technical concept from GD&T symbols, rules & applications, up through hands on drawings and exercises with actual parts so that students grasp the proper understanding of each dimensioning concept.

The course is intended to teach students to a level where they can read and interpret drawings, and understand how parts are dimensioned via the current 2018 standard. MTC instructors will provide pocket guides to each student that helps them navigate through each concept, and learn to use the guide for future use in GD&T work. We look forward to having you in this course. Students earn 2.1 CEU's.



\$ 1200 per person. A discount will be offered if sending 4 or more employees from your agency or company (\$900 PP).

To register for this spring 2020 course and learn more about it, please contact Linda Newman at 276-223-4709 or lnewman@wcc.vccs.edu