

# Inspection & Measurement Techniques

28 Hours

**OBJECTIVE:** This course will improve blue print reading skills and symbology, understanding tolerance requirements, customer specifications, measurement techniques, improve the use of tools and accuracy of performance, as well as provide steps to take to reduce rework. Participants will better communicate with customers and coworkers to improve quality. Focus is placed on understanding and improving the accuracy in the use of calipers, micrometers and other measuring tools. Students are encouraged to bring in special equipment or specifications for more in-depth study.

**WHO SHOULD ATTEND:** Inspectors, machinists, technicians, assemblers, and others involved in product quality and inspection should join this class to improve their communications with customers and coworkers.

## TOPICS COVERED

- Tolerances and Allowances
- Basic Visual Inspection Tech.
- Mechanical Measuring
- Mechanical Measuring Calipers
- Mechanical Measuring Micrometers
- Types of Micrometers
- Types of Gauges
- Telescope Gauges
- Tapered Parallels
- Precision Gauge Blocks
- Height Gauges
- Dial Indicators
- Computer Numerical Control
- Alignment of holes
- Using the coordinate grids
- Plane alignments
- How a circle is interpreted

**Prerequisite:** A strong understanding and working knowledge of reading blue prints, including geometric dimensioning and tolerancing (GD&T).

**ETI Instructor** Mike Letson has a variety of experience working with Fortune 500 companies, as well as small and medium sized businesses across a multitude of industries. He is a certified Six Sigma Black Belt (SSBB) with a DMAIC concentration specializing in transactional analysis for organizations ranging from city governments to manufacturing. Mike Letson has been an instructor with ETI for more than ten years, and he is known for his high energy and results-driven instructional techniques. He brings a wide range of experience from military, corporate, and entrepreneurship, allowing him to relate topics directly to each participant. Mike continually finds new ways to keep participants engaged in learning.

**\*Employment Training Panel – State Funded Training: \$350.00 per participant  
Non-ETP Cost: \$1078.00 per participant**

### WHEN:

**Mondays  
June 17, 2024 – July 29, 2024  
5:00 pm - 9:00 pm**

### WHERE:

**College of the Canyons  
Room TBA  
26455 Rockwell Canyon Road  
Valencia, CA**

**For more information or to register, please contact Jacey Hogan  
at 661.362.5657 or [jacey.hogan@canyons.edu](mailto:jacey.hogan@canyons.edu)**

\*For employees of eligible employers. Employees are not eligible until all paperwork is received, a \$350 participant fee, per trainee, has been paid to the Santa Clarita Community College. The Employment Training Panel has determined eligibility. State subsidy is contingent upon the trainee completing all the Employment Training Panel requirements. Please contact the Employee Training Institute, 661.362.5657, for details on eligibility requirements.



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