



# 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

**ETI instructor Angel De Sevilla** is a principal at a consulting group specializing in kaizen facilitation and manufacturing implementation. He has designed custom-made CNC lathes, and has provided installation and training services for high-end CNC grinding machines. He teaches lean manufacturing and other manufacturing technologies for several local economic development agencies. Angel has an MBA from Pepperdine and a BS in mechanical engineering from Cornell University.

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

### WHEN:

**Tuesdays  
4:30 pm to 8:30 pm  
August 7, 2018 – September 18, 2018**

### WHERE:

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

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

\*For employees of eligible employers. Employees are not considered registered until all paperwork is received, a \$350 participant fee, per trainee, has been paid to the Santa Clarita Community College District and 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.

