

## Blueprint Reading & Shop Math

40 Hrs

This course is intended for workers with little or no formal training in print reading and shop math. At the end of the course, the student should be able to read, interpret and understand simple engineering drawings and perform mathematical computations by hand without the use of a calculator.

### Shop Math topics include

- Addition and subtraction of decimals & fractions
- Multiplication and division of decimals & fractions
- Basic trigonometric functions (sin, cos, tan)

### Print Reading topics include

- Title blocks
- Reading and interpreting notes
- Types of lines
- Multiview drawings
- Drawing orthographic views
- Dimensioning
- Tolerances
- Auxiliary views
- Sectional views

**Who Should Attend:** Inspectors, machinists, technicians, assemblers, purchasing agents, and others involved in product quality and inspection should join this class to improve their communications with customers and coworkers.

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**  
**Non-ETP Cost: \$1,390.00**

#### WHEN:

**Tuesdays**  
**4:30 pm to 8:30 pm**  
**February 27 – May 1, 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, the 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.

