



## Math for Manufacturing

**GOAL:** This workshop provides the student with techniques to solve realistic mathematical problems that manufacturers commonly encounter.

**BENEFITS OF TRAINING:** By solving the problems both technical and mathematical skills are strengthened, providing a solid foundation for work in manufacturing.

**HOW THE PROGRAM WORKS:** The program offers a step-by-step approach to the mastery of essential skills in mathematics including decimals, fractions, ratios, and proportions. Solve problems included deal measurements and fabrication. Problems related to the use of Micrometers, Calipers, Steel Rules, Sine Bars and Vernier scales are included with exercises related to gears, sheet metal machining, screw threads, lathe and cutting, and turning operations.

### PROGRAM OUTLINE:

You will learn about

- Fractions, decimals
- Ratios
- Calipers
- Steel rules
- Micrometers
- Turning operations
- Sheet metal
- Screw threads, gears

**METHODOLOGY:** Training sessions are comprised of lecture, hands-on workshops utilizing measuring equipment, written exercises, large and small group discussions, PowerPoint and video recording. Attendees receive a copy of *Practical Problems in Mathematics for Manufacturing*.

**WHO SHOULD ATTEND:** Machine operators, quality control inspectors, shop supervisors, metalworking manufacturing personnel, engineering managers, and other manufacturing persons interested in learning to read manufacturing prints or updating their knowledge in this area.