



NTMA U *Now offers Metrology*

This course presents the science of measurement, and shop safety. It is intended for anyone who wishes to learn the basic tools and techniques required for Manufacturing. The course covers a variety of related topics that apply to measurement principles with “best practices”. This on-line course will provide opportunities that demonstrate the proper use of common hand-held measuring tools and presents fundamental considerations for the proper selection, application, and care of typical precision measuring tools such as gage blocks, micrometers, and calipers.

Course objective - to develop awareness, knowledge, and the basic skills that are necessary for manufacturing measurement applications. Technical manufacturing terms and principles will be covered in depth. Basic measurement applications for Geometric Dimensioning and Tolerancing (GD&T) and assessment of measurement quality will be introduced. This course will cover the basic uses and interpretation of geometric dimensions and tolerances as specified for machine trade blueprint.

This course also includes the following topics: introductory probability and statistics including organization of data, CMM, Probes, Precision Gages, Word Document Tricks and Tips, Surface Finishes, Calibration-Verification-Validation.

Cost \$249

For enrollment information please contact : Ken McCreight – NTMA Vice President – kmccreight@ntma.org or phone: 216-264-2834